Appendix A
NOP/IS Checklist

Initial Study

Tidelands Avenue Electric Truck Hub Project

JUNE 2025

Prepared for:

SAN DIEGO UNIFIED PORT DISTRICT
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San Diego, California 92101
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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AB	Assembly Bill
BESS	Battery Energy Storage System
BMP	best management practices
BPC	Board of Port Commissioners
CALFIRE	California Department of Forestry and Fire Protection
CARB	California Air Resources Board
CERP	Community Emission Reduction Plan
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
dBA	A-weighted decibels
District	San Diego Unified Port District
DPM	Diesel Particulate Matter
EIR	Environmental Impact Report
EOP	Emergency Operations Plan
FINDS	Facility Index System
FRS	Facility Registry Service
GHG	Greenhouse gas
INRMP	Integrated Natural Resource Management Plan
IS	Initial Study
MCAS	Maritime Clean Air Strategy
NAHC	Native American Heritage Commission
NOP	Notice of Preparation
NO_x	oxides of nitrogen
O_3	ozone
PM_{10}	course particulate matter
$PM_{2.5}$	fine particulate matter
PMP	Port Master Plan
ppb	parts per billion
PRC	Public Resources Code
PV	photovoltaic
RAQS	Regional Air Quality Strategy
ROG	Reactive organic gas
RoRo	roll-on/roll-off
SAM	Site Assessment and Mitigation Program
SANDAG	San Diego Association of Governments
SDAPCD	San Diego County Air Pollution Control District
SDG&E	San Diego Gas & Electric
SIP	State Implementation Plan
SO_x	Sulfur oxides
SR	State Route

Acronym/Abbreviation	Definition
SWPPP	Storm Water Pollution Prevention Plan
U.S. Navy	United States Department of the Navy
UST	Underground Storage Tanks
VHFHSZ	Very High Fire Hazard Severity Zone
VMT	vehicle miles traveled
ZE	Zero Emissions

1 Introduction

This Initial Study (IS) has been prepared to identify and assess the anticipated environmental impacts of the proposed project. This document has been prepared to satisfy the California Environmental Quality Act (CEQA) (California Public Resources Code, Section 21000 et seq.), as amended, the CEQA Guidelines (14 CCR 15000 et seq.), and the San Diego Unified Port District's (District) CEQA Guidelines.

1.1 Initial Study/Environmental Checklist Form

1. Project title:

Tidelands Avenue Electric Truck Hub

2. Lead agency name and address:

San Diego Unified Port District
3165 Pacific Highway
San Diego, California 92101

3. Contact person and phone number:

Peter Eichar
Program Manager
619.686.6284

peichar@portofsandiego.org

4. Project location:

1640 Tidelands Avenue, National City, California.

5. Project sponsor's name and address:

Skychargers LLC
1616 16th Avenue S
Nashville, Tennessee 37212

6. Port Master Plan designation:

Industrial, Maritime Related

7. Zoning:

Pursuant to Section 19 of the Port Act, zoning does not apply within the District's jurisdiction. Permitted uses for all Port District tidelands are identified in terms of the land and water use designations, which are defined in the Port Master Plan. Although specific uses have been listed, the intent is to indicate compatible use groups. Specific uses that are currently not listed may be included in a use group if similar in character and compatible.

8. Description of project. (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary):

Skychargers LLC (Applicant) proposes to lease approximately 4.8 acres of an approximately 8.2-acre parcel from the District to develop the Tidelands Avenue Electric Truck Hub (proposed project or project). The proposed project would consist of the following: (1) Zero Emissions (ZE) Truck Charging, (2) Photovoltaic (PV) Canopy, (3) Battery Energy Storage System (BESS), (4) Convenience Store, and (5) infrastructure improvements. The proposed project is intended to serve electric drayage trucks working at nearby marine terminal and related storage facilities in the vicinity.

The proposed project would have a total of 70 charging ports with up to 30 trucks anticipated to use the site during the initial operating year as part of the Truck as a Service program. An additional 16 trucks may be added to the program over the next 3 years to 5 years. Additionally, ZE truck charging infrastructure would be available onsite to support municipal fleets, local businesses with truck fleets, as well as passenger vehicles dependent on available capacity. Truck as a Service participating operators may have assigned, dedicated parking stalls/charge ports, and trucks serving one of the two marine cargo terminals would have priority over all other vehicles for the opportunity charging stalls. The site would be equipped with gates that may be used for access control as needed to enforce the priority of use.

Please also see the Notice of Preparation.

9. Surrounding land uses and setting: Briefly describe the project's surroundings:

The project site is within the National City Bayfront: Planning District 5 of the Port Master Plan (PMP).

The site is immediately south of the District's Port Operation Center (General Services) building located at 1400 Tidelands Ave, National City, California. The site is bound on the east by Tidelands Ave., on the south by an imported vehicle parking lot operated by Pasha Automotive Services and W 19th St. and, on the west by United States Department of the Navy (U.S. Navy) U.S. Naval Base San Diego, with an access gate to the U.S. Navy Base provided at the west end of W 19th Street.

10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):

The District is the CEQA Lead Agency and has primary approval authority for the project. District discretionary approvals would include the following:

- Certification of the Environmental Impact Report
- Adoption of Findings of Fact
- Adoption of the Mitigation Monitoring and Reporting Program
- Approval of Coastal Development Permit for Construction
- Approval of the project
- Approval of required Real Estate Agreement(s)

Additional subsequent approvals and other permits that may be required from local, regional, state, and federal agencies include, but are not limited to the following:

- San Diego Regional Water Quality Control Board – Stormwater Construction General Permit
- San Diego County Air Pollution Control District – Permits for (interim back-up) diesel generators
- City of National City – Issuance of ministerial permits (e.g., building and grading)

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

At this time, no California Native American tribes have requested consultation pursuant to Public Resources Code section 21080.3.1. However, the Native American Heritage Commission (NAHC) is included in the distribution of the Notice of Preparation for the proposed project, and the District has requested a list of California Native American tribes traditionally and culturally affiliated with the project area. These tribes will be offered the opportunity for consultation in accordance with Assembly Bill (AB) 52.

Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact," as indicated by the checklist on the following pages.

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

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Determination (To be completed by the Lead Agency)

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☐ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☒ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature	6/17/2025 Date
Lesley Nishihira Printed Name	Vice President, Planning and Development Title
San Diego Unified Port District Agency	

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2 Environmental Initial Study Checklist

Evaluation of Environmental Impacts

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project would not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an Environmental Impact Report (EIR) is required.
4. "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level.
5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
    a. Earlier Analysis Used. Identify and state where they are available for review.
    b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
    c. Mitigation Measures. For effects that are "Less Than Significant With Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

9. The explanation of each issue should identify:
   a. the significance criteria or threshold, if any, used to evaluate each question; and
   b. the mitigation measure identified, if any, to reduce the impact to less than significance

2.1 Aesthetics

		Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
I.	**AESTHETICS** – Except as provided in Public Resources Code Section 21099, would the project:				
a)	Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒
b)	Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
c)	In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d)	Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

a) Would the project have a substantial adverse effect on a scenic vista?

No Impact. The PMP identifies Vista Areas, defined as points of natural visual beauty, photo vantage points, and other panoramas. The project is in Planning District 5, National City Bayfront, of the PMP. There is only one Vista Area, located at Pepper Park facing southwest across the Sweetwater Channel and toward the San Diego Bay National Wildlife Refuge. Due to distance and the developed nature of the surrounding areas, the project site would not impact this scenic vista. The next closest designated scenic vista to the project sites is within Planning District 7, Chula Vista Bayfront, approximately 2.3 miles south of the project site. Due to distance and the developed nature of the surrounding areas, the project site would not impact this scenic vista. No scenic vistas or viewsheds are identified in the City of National City General Plan.

The National City Bayfront Projects and Plan Amendments EIR identifies a view corridor at the existing terminus of Marina Way, looking south through the site towards the Pier 32 Overlook and marina (San Diego Unified Port District 2022). The project site is located approximately 1 mile north of this view corridor and would not impact the views through the view corridor towards the Pier 32 Overlook and marina looking south. No impact to scenic vistas would occur. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

b) Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact. State Route 75 (SR-75) is an officially designated state scenic highway, which is located approximately 2.3 miles to the west of the project site across San Diego Bay. Due to distance and the developed nature of the surrounding areas, the project site is not visible from SR-75. Therefore, the project would not substantially damage scenic resources within a state scenic highway and no impact would occur. This issue will not be further analyzed in the EIR prepared for the proposed project.

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

Less-than-Significant Impact. Per California Public Resources Code (PRC) Section 21071, an "urbanized area" is defined as "(a) An incorporated city that meets either of the following criteria: (1) Has a population of at least 100,000 persons. [or] (2) Has a population of less than 100,000 persons if the population of that city and not more than two contiguous incorporated cities combined equals at least 100,000 persons." The project site is located in the City of National City, which has a population of 56,173 persons as of the 2020 census (U.S. Census Bureau 2020). National City is contiguous with the City of San Diego, which has a population of 1,386,932 as of the 2020 census (U.S. Census Bureau 2020). As such, the project site is considered to be located in an urbanized area.

The project would include ZE truck charging, a photovoltaic canopy, a BESS, convenience store, and infrastructure improvements. The project site has the land use designation of Industrial, Marine Related as described within the National City Bayfront: Planning District 5 of the PMP, or amendments thereto. The project would be consistent with the land use designation and as described in Checklist Question 2.1(a), would not result in impacts to scenic vistas identified in the PMP. Construction of the project would result in temporary construction-related activity associated with the use of standard construction equipment. Operationally, the project would be visually consistent with the surrounding industrial development. The project would not conflict with any regulations governing scenic quality and impacts would be less than significant. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

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

Less-than-Significant Impact. The project site consists of an asphalt lot surrounded by existing industrial development. The surrounding land uses contain several sources of light and glare associated with industrial maritime activities and adjacent U.S Navy operations. Existing sources include security lighting, operational lighting, street lighting, light and glare from cars, and building lights. The site is currently used in an ad-hoc manner at any given hour for Pasha Automotive roll-on/roll-off (RoRo) overflow, e.g., automobile storage. Implementation of the proposed project would include new permanent light sources on site, from new structures and security lighting. Area lighting would be required to follow industry-accepted lighting practices and lighting levels. The project's new source of light and glare would not be substantial or out of keeping with light and glare associated with surrounding uses and existing activities. As such the project would not adversely affect day or nighttime views in the area. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

2.2 Agriculture and Forestry Resources

		Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
II.	**AGRICULTURE AND FORESTRY RESOURCES** – In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:				
a)	Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b)	Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c)	Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	☐	☐	☐	☒
d)	Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e)	Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

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

No Impact. According to the California Department of Conservation's California Important Farmland Finder, the project site and surrounding land is classified as "Urban and Built-Up Land," which does not contain land designated or previously designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (DOC 2025a). No impact would occur. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

b) Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. The project site has the land use designation of Industrial, Marine Related, as described within the National City Bayfront: Planning District 5 of the PMP. Additionally, the project site is not subject to a Williamson Act Contract (DOC 2025b). As such, the project would not conflict with existing zoning for agricultural use or land under a Williamson Act contract. No impact would occur. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

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

No Impact. The project site has the land use designation of Industrial, Marine Related, and is surrounded by primarily industrial uses. The project site and surrounding land is not zoned for forestland, timberland, or timberland production. No impact would occur. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

d) Would the project result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. The project site has the land use designation of Industrial, Marine Related, and does not contain forest land. Therefore, the project would not result in the loss of forest land or conversion of forest land to non-forest use. No impact would occur. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

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

No Impact. The project site and surrounding land is classified as "Urban and Built-Up Land," which does not contain land designated or previously designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (DOC 2025a). The project would not involve changes to the existing environment that would result in the indirect conversion of Important Farmland or forestland. No impact would occur. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

2.3 Air Quality

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
III. AIR QUALITY – Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☒	☐	☐	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☒	☐	☐	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

a) Would the project conflict with or obstruct implementation of the applicable air quality plan?

Less-than-Significant Impact. The San Diego County Air Pollution Control District (SDAPCD) is required, pursuant to the federal and state Clean Air Acts, to reduce emissions of criteria pollutants for which the County is in nonattainment (i.e., ozone [O3], particulate matter of 10 microns in diameter or smaller [PM10], and particulate matter of 2.5 microns in diameter or smaller [PM2.5]). The most recent air quality attainment plans for the County include the 2022 Regional Air Quality Strategy (RAQS) to attain the California Ambient Air Quality Standards for O3, and the 2020 Air Quality Management Plan for attaining the federal 8-hour 75 parts per billion (ppb) and 70 ppb O3 standards (State Implementation Plan [SIP]).

The RAQS and SIP rely on information from the California Air Resources Board (CARB) and San Diego Association of Governments (SANDAG), including mobile and area source emissions, as well as information regarding projected growth in San Diego County, to project future emissions and then determine from that the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by San Diego County and the cities in the County as part of the development of their general plans. As such, projects that involve development that are consistent with the growth anticipated by local plans would be consistent with the RAQS and SIP.

The District's Maritime Clean Air Strategy (MCAS) provides goals and objectives for the District's maritime operations, focusing on the marine cargo terminals located within the working waterfront. The MCAS seeks to transition away from diesel powered equipment and vehicles to zero tailpipe emissions technologies in addition to operational changes that decrease emissions. Diesel Particulate Matter (DPM) is the primary air pollutant addressed by the MCAS with co-beneficial reductions in oxides of nitrogen (Nox), sulfur oxides (Sox), reactive organic gases (ROGs) and greenhouse gas (GHG) emissions. The proposed project is an outgrowth of the MCAS and specifically advances Truck Goal 1: *Improve the air quality in the Portside Community by accelerating the implementation of zero/near-zero emission trucks*; and Truck Goal 2: *Facilitate the deployment of infrastructure to support the transition to Zero Emission truck trips to the Port's marine cargo terminals*. Further, the proposed project is the result of having met Truck Objective 2A: *Within fourth quarter of calendar year 2022, present a concept plan to the Board for its consideration that identifies four potential public-facing medium-duty/heavy-duty charging locations within the San Diego*

Region to support deployment of zero emission trucks, which may include locations in close proximity to or on the Tenth Avenue Marine Terminal and/or the National City Marine Terminal.

The SDAPCD has also adopted the Portside Community Emission Reduction Plan (CERP) that contains numerous Actions aimed at reducing air pollution from all sources within the Portside Community. There are 10 Actions that the Port District is identified as a participant for implementation. The proposed project directly supports two of the Actions related to reducing air pollution from heavy duty trucks, they include Action E1: *Advance the deployment of heavy-duty on-road electric trucks to demonstrate operational feasibility and reduce emissions within the Portside Community and other disadvantaged communities*; and Action G7: *Promote adoption of ZE technologies by Port tenants, truckers, and other users of equipment.*

Lastly, the proposed project is in alignment with California's Sustainable Freight Action Plan by providing ZE truck charging infrastructure and further proposing the use of onsite renewable energy components (photovoltaics canopy and BESS) to generate and store electricity to contribute for ZE truck charging at the project site, reducing electricity acquisition costs, reducing greenhouse gas emissions from electricity generation, and providing energy resiliency in the event of a power grid failure.

The proposed project involves operational activities that would reduce long-term criteria pollutant and other emissions by facilitating the transition away from diesel powered trucks to battery-electric trucks with zero tailpipe emissions. The project would facilitate replacement of existing emitting diesel trucks with ZE trucks and is not anticipated to contribute to growth in regional trucking activities.

For the reasons outlined above, the proposed project would not conflict with or obstruct implementation of the MCAS, CERP, 2022 RAQS, SIP or California's Sustainable Freight Action Plan. Therefore, impacts would be less than significant and further discussion in the EIR is not warranted.

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

Potentially Significant Impact. The SDAPCD is required to reduce emissions of pollutants for which the County is in nonattainment (i.e., ozone, PM10, and PM2.5). The San Diego Air Basin is in nonattainment status for ozone (8-hour standard) at the federal and state level; and for ozone (1-hour standard), PM10, and PM2.5 at the State level. The proposed project includes demolition and construction activities that would occur over several months. Therefore, the proposed project would have the potential to exceed SDAPCD's trigger levels for one or more criteria pollutants. Therefore, this impact is potentially significant, and further analysis will be provided in the EIR.

c) Would the project expose sensitive receptors to substantial pollutant concentrations?

Potentially Significant Impact. Sensitive receptors include land uses where exposure to pollutants could result in health-related risks to sensitive individuals, such as children or the elderly. Residential dwellings, schools, hospitals, playgrounds, and similar facilities are of primary concern because of the presence of individuals particularly sensitive to pollutants and the potential for increased and prolonged exposure of individuals to pollutants. The project is located within National City and approximately 0.25 miles from residences to the east. To the west is the Naval Base San Diego and then San Diego Bay, the south is industrial uses for more than 1 mile and to the north is the District's Port Operations Center building and industrial uses also for more than 1 mile. Due to residences to the east proximity to the

proposed project site, construction-related emissions may expose sensitive receptors to substantial pollutant concentrations. Therefore, this impact is potentially significant, and further analysis will be provided in the EIR.

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

Less-than-Significant Impact. According to CARB's Air Quality and Land Use Handbook, sources of odor complaints typically include sewage treatment plants, landfills, recycling facilities, waste transfer stations, petroleum refineries, biomass operations, autobody shops, coating operations, fiberglass manufacturing, foundries, rendering plants, and livestock operations (CARB 2005). The proposed project does not include any uses identified by CARB as being associated with odors. Odors may be generated from vehicles and equipment exhaust emissions during construction; however, these dissipate over short distances and would not be dissimilar to existing emission from heavy-duty trucks, some of which would ultimately be replaced with implementation of the project. Therefore, the proposed project would not generate emissions (such as those leading to odors) adversely affecting a substantial number of people. Impacts would be less than significant and further discussion in the EIR is not warranted.

2.4 Biological Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
IV. BIOLOGICAL RESOURCES – Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☐	☒	☐
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☒	☐
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

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

Less-than-Significant Impact. The project site is within disturbed land that has been previously graded and paved. While the project site contains some landscape trees along the eastern border of the site, the site is subject to industrial maritime activities and does not contain suitable habitat for species identified as a candidate, sensitive, or special status species. Therefore, impacts would be less than significant, and this issue will not be further analyzed in the EIR prepared for the proposed project.

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

No Impact. The project site is within disturbed land with some landscape trees along the eastern border. The site consists of disturbed and developed land, which is not considered sensitive to local, state, or federal agencies; therefore, no impact would occur, and this issue will not be further analyzed in the EIR prepared for the proposed project.

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

No Impact. The project site is disturbed and does not contain any state or federally protected wetlands. Therefore, the project would not result in impacts to state or federally protected wetlands. This issue will not be further analyzed in the EIR prepared for the proposed project.

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

Less-than-Significant Impact. San Diego Bay is in the path of the Pacific Flyway, a migratory route used by birds. However, the project site is located in a developed area actively used for industrial maritime

purposes. The proposed project would change the activities but not the type of use in the area, but would not interfere with movement of wildlife and would not affect wildlife corridors because use would continue to be truck centric and habitat or other features that might be inviting to birds (such as water bodies, perching or nesting sites, etc.) would not be introduced. . Therefore, impacts would be less than significant, and this issue will not be further analyzed in the EIR prepared for the proposed project.

e) Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Less-than-Significant Impact. The applicable local land use plans, policies, ordinances, or regulations of the District protecting biological resources are the PMP, San Diego Unified Port District Code, and the District's Integrated Natural Resource Management Plan (INRMP). The INRMP, managed by the U.S. Navy and the District, intends to protect the San Diego Bay's ecosystem while supporting the ability of the U.S. Navy and the District to achieve their missions and continue functioning within the San Diego Bay (San Diego Unified Port District 2013a). Section II of the PMP, Planning Goals, includes Goal XI states that the District will protect, preserve, and enhance natural resources, including natural plant and animal life in the bay as a desirable amenity, and ecological necessity, and a valuable and usable resource. The project site is disturbed and paved and not located in an area with high ecological value. To the minimum extent feasible, several trees (2 or 3) may be removed to accommodate a new driveway; these trees are landscape trees and would not conflict with any tree preservation policy or ordinance. Additionally, the project would include an approximate 0.15-acre greenspace consisting of grasses and groundcover. The proposed project would not conflict with local policies or ordinances protecting biological resources and impacts would be less than significant. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

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

No Impact. The project site is not within any approved local, regional, or state habitat conservation plan boundaries. No impact would occur, and this issue will not be further analyzed in the EIR prepared for the proposed project.

2.5 Cultural Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
V. CULTURAL RESOURCES – Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?	☐	☐	☐	☒
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☒	☐

a) Would the project cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?

No Impact. The site is paved with asphalt with some landscape trees along the eastern border of the site. There are no structures on the site. The project would not impact historic resources defined by CEQA Guidelines, Section 15064.5. No impact would occur, and this issue will not be further analyzed in the EIR prepared for the proposed project.

b) Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?

Less-than-Significant Impact. The majority of the project site is underlain by Made land (fill), with a portion on the east side composed of Huerhuero-Urban land complex human-made land (USDA 2025). The site is entirely previously disturbed including subsurface utilities, former railroad, and existing asphalt. Ground excavation activities would be limited to the repair of existing asphalt, laying of electrical conduit, photovoltaic canopy structural footings, BESS and convenience store foundations, and existing subsurface utilities modifications. A substantial adverse change in the significance of an archaeological resource would not be likely and impacts would be less than significant. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

c) Would the project disturb any human remains, including those interred outside of formal cemeteries?

Less-than-Significant Impact. The project site consists of disturbed asphalt surface. There are no known cemeteries or burials on the project site or immediate area. In the unlikely event that human remains are inadvertently encountered during ground disturbing activities, they must be treated consistent with state and local regulations including California Health and Safety Code Section 7050.5, PRC Section 5097.98, and the CEQA Guidelines Section 15064.5(e). In accordance with these regulations, if human remains are found, the county coroner shall be immediately notified of the discovery. No further excavation or disturbance of the location of the discovery or any nearby area reasonably suspected to overlie adjacent remains shall occur until the county coroner has determined the appropriate treatment and disposition of the human remains. If the county coroner determines that the remains are, or are believed to be, Native American, he or she shall follow all required protocols according to PRC Section 5097.98. Compliance with these regulations would ensure that impacts to human remains resulting from the project would be less than significant. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

2.6 Energy

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VI. ENERGY – Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☒	☐	☐	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

a) Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Potentially Significant Impact. The project includes the construction of electrical charging ports for electric truck charging, photovoltaic (PV) canopies, and a BESS, which would result in the generation and use of renewable energy. While the project would involve construction and operational activities that would require the use of energy, including electricity and petroleum, these would be short-term (construction or minimal (operational)). However, due to uncertainty on the availability of electric power from San Diego Gas & Electric (SDG&E) for full operation of the site once constructed, the project proposes the short-term initial use of a diesel generator to supplement grid electricity to ensure operation of the site should there not be enough electrical power from the grid. It should be noted that the project proponent continues to coordinate with SDG&E on the timing and capacity of power needs at the project site. Therefore, this impact is potentially significant, and further analysis will be provided in the EIR.

b) Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less-than-Significant Impact. The project aims to contribute to the District's MCAS and goal of electrifying the District's drayage operations by providing ZE charging, solar power, and a BESS. Buildings or structures would be subject to and would comply with the latest California Building Code Title 24 (24 CCR Part 6). Additionally, CARB's Climate Change Scoping Plan identifies several strategies to reduce GHG emissions through energy efficiency. The project would include construction and operation activities that would require the use of energy; however, the project renewable energy generation components and facilitation of ZE truck activities promote rather than conflict with or obstruct state or local energy efficiency plans. Therefore, impacts would be less than significant and this issue will not be further analyzed in the EIR prepared for the proposed project.

2.7 Geology and Soils

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VII. GEOLOGY AND SOILS – Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☐	☒
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☐	☒
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☒	☐

a) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

Less-than-Significant Impact. While the region is a seismically active region, according to the California Earthquake Hazards Zone Application, the project site is not within an earthquake zone (DOC 2025c). The closest fault is the Newport-Inglewood-Rose Canyon Fault Zone, more than 2 miles from the site. Because there are no faults within the project site, ground disturbance activities associated with the proposed project are not likely to influence the potential for fault rupturing. Therefore, construction and operation of the proposed project would not directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death from known fault rupture, and impacts would be less-than significant. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

ii) Strong seismic ground shaking?

Less-than-Significant Impact. The site is located in a seismically active region of Southern California. However, the proposed project would not include any characteristics that might exacerbate the potential for strong seismic ground shaking. The project would contain no habitable structures or other structural development intended for human occupancy. The project would be built in compliance with the California Building Code Title 24, which outlines building requirements and safety standards to address potential seismic activity. Compliance with applicable seismic design requirements would reduce the potential risk to both people and structures with respect to strong seismic ground shaking. Therefore, impacts would be less than significant, and this issue will not be further analyzed in the EIR prepared for the proposed project.

iii) Seismic-related ground failure, including liquefaction?

Less-than-Significant Impact. Liquefaction is the phenomenon that occurs when ground shaking causes loose soils to lose strength and act like viscous fluid. According to the San Diego County, California, Multi-Jurisdictional Hazard Mitigation Plan, the project site is within a liquefaction zone (County of San Diego 2023). Standard design and construction techniques such as spread footings, mat foundations, or other design considerations would be incorporated per California Building Code requirements, minimizing hazards due to liquefaction. A geotechnical study will be prepared for the project and will identify the project's existing geological conditions, including liquefaction potential as well as the specifications and applicable building code requirements necessary to adhere to. Compliance with applicable design requirements for the rated liquefaction characteristics of the site would reduce the potential risk to both people and structures. Therefore, construction and operation of the proposed project would not directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death from ground failure including liquefaction, and impacts would be less-than significant. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

iv) Landslides?

No Impact. Landslides typically occur on moderate to steep slopes that are affected by such physical factors as slope height, slope steepness, shear strength, and orientation of weak layers in the underlying

geologic units. The project site and surroundings are generally flat with soils stabilized by development and landscaping. According to the United States Geological Survey's U.S. Landslide Inventory and Susceptibility Map, the project site has a very low landslide potential (USGS 2025). Therefore, the proposed project is not anticipated to expose people or structures to landslide risks, and no impact would occur. This issue will not be further analyzed in the EIR prepared for the proposed project.

b) Would the project result in substantial soil erosion or the loss of topsoil?

No Impact. Construction of the project would require only existing asphalt repair and minimal earthwork to lay electrical conduit and modify subsurface utilities and install structural footings for the PV canopies and the convenience store. Operations would continue on asphalt. Therefore, construction and operation of the proposed project would not directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death from known fault rupture, and impacts would be less-than significant. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

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

Less-than-Significant Impact. The project site is within an area of very low landslide potential. However, because lateral spreading is a secondary seismic effect of liquefaction, and the project site is located in an area with potential for liquefaction, there is potential for lateral spreading to occur. A geotechnical study will be prepared for the project and will identify the project's existing geological conditions, including site stability potential as well as the specifications and applicable building code requirements necessary to adhere to. Compliance with applicable design requirements for the rated liquefaction and site stability characteristics of the site would reduce the potential risk to both people and structures. Therefore, construction and operation of the proposed project would not directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death from unstable soil, and impacts would be less-than-significant. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

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

Less-than-Significant Impact. Expansive soils are clay-based and tend to increase in volume due to water absorption and decrease in water volume due to drying. A geotechnical study will be prepared for the project and will identify the project's existing geological conditions, including the underlying soil as well as the specifications and applicable building code requirements necessary to adhere to. Compliance with applicable design requirements for the rated expansive characteristics of the site would reduce the potential risk to both people and structures. Therefore, construction and operation of the proposed project would not directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death from expansive soil, and impacts would be less-than-significant and this issue will not be further analyzed in the EIR prepared for the proposed project.

e) Would the project have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

No Impact. No septic tanks or alternative wastewater disposal systems that might affect soils are included as part of project; therefore, no impact would occur and this issue will not be further analyzed in the EIR prepared for the proposed project.

f) Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less-than-Significant Impact. The majority of the project site is underlain by Made land (fill), with a portion on the east side composed of Huerhuero-Urban land complex human-made land (USDA 2025). As it is previously developed the subsurface has previously been disturbed and has a reduced likelihood of the presence of paleontological resources. The site is entirely previously disturbed including subsurface utilities, former railroad, and existing asphalt. Ground excavation activities would be limited to the repair of existing asphalt, laying of electrical conduit, BESS, PV canopy and convenience store foundations, and existing subsurface utilities modifications. A substantial adverse change in the significance of an archaeological resource would not be likely and impacts would be less than significant. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

2.8 Greenhouse Gas Emissions

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VIII. GREENHOUSE GAS EMISSIONS – Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

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

Less-than-Significant Impact. Construction of the project would in the short-term generate GHG emissions, primarily associated with off- and on-road equipment used during construction. The project's purpose is in alignment with the District's MCAS and California's Sustainable Freight Action Plan by providing ZE truck charging and further proposes use of onsite renewable energy components (photovoltaics canopy and BESS) to generate electricity to contribute for ZE truck charging at the project. The proposed project involves operational activities that would reduce long-term GHG emissions. For these reasons, the proposed project would not on balance generate GHG emissions that may have a significant effect on the environment. Impacts would be less than significant and further discussion in the EIR is not warranted.

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

Less-than-Significant Impact. The District's Climate Action Plan includes goals and plans to decrease GHG emissions, including decreasing emissions through transportation and land use, energy conservation and efficiency, water conservation and recycling, alternative energy generation, and waste reduction and recycling (San Diego Unified Port District 2013b). The project's purpose is in alignment with the District's Climate Action Plan by proposing use of onsite renewable energy components (photovoltaics canopy and BESS) to generate electricity to contribute to ZE truck charging at the project. The proposed project involves operational activities that would reduce long-term GHG emissions. For these reasons, the proposed project would align with and not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases. Impacts would be less than significant and further discussion in the EIR is not warranted.

2.9 Hazards and Hazardous Materials

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
IX. HAZARDS AND HAZARDOUS MATERIALS – Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☒	☐	☐	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☒	☐	☐	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	☒
d) Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☒	☐	☐	☐
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☒	☐

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

Potentially Significant Impact. The project would be required to comply with federal, state, and local regulations for the routine transport, use, and disposal of any hazardous materials. These regulations include the Resource Conservation and Recovery Act, U.S. Department of Transportation Hazardous Materials Regulations (Code of Federal Regulations [CFR] Title 49), California Health and Safety Code, and San Diego County Code, Title 6, Division 8, in combination with legally required construction best management practices (BMPs) implemented from a Storm Water Pollution Prevention Plan (SWPPP) (under the General Construction Permit). Relatively small amounts of commonly used hazardous substances such as gasoline, diesel fuel, lubricating oil, adhesive materials, grease, solvents, and architectural coatings would be used during construction. Operation of the project would also require routine use of common hazardous substances that are used routinely throughout urban environments. These materials would be transported and handled in accordance with all federal, state, and local laws regulating the management and use of hazardous materials.

Operation of the BESS would include lithium-ion battery cells in addition to the battery-electric trucks that would use the project site for re-fueling. Fires at other BESS facilities in San Diego County and elsewhere in California have raised concerns regarding the fire safety of these facilities and constituent materials used and their disposal or handling.

According to the EnviroStor database, there are no hazardous waste facilities and sites within the project site; however, there are sites located adjacent to the project site including: Maritime Shipyard, an inactive – needs evaluation site, approximately 0.05 miles to the north of the project; and Naval Base San Diego AKA Naval Station San Diego, an operating permit site, adjacent to the west side of the project (DTSC 2025). The SWRCB's GeoTracker database identifies leaking underground storage tanks, waste discharge sites, oil and gas sites, and other waste or cleanup sites. The project site, 1640 Tidelands Ave, is listed on the SWRCB's GeoTracker database as Cole Industries, with a status of Completed – Case Closed as of 1989 (ID. No T0607303113) (SWRCB 2025).

A Phase I Environmental Site Assessment has been prepared for the project site and finds that the subject property is listed under Cole Industries on the Site Assessment and Mitigation Program (SAM) San Diego, Haz San Diego, Facility Index System (FINDS)/Facility Registry Service (FRS), and Underground Storage Tanks (UST) Sweeps (x2) databases. Therefore, this impact is potentially significant and further analysis will be provided in the EIR.

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

Potentially Significant Impact. The routine use, an accidental spill or the combustion of hazardous materials, such as the ignition and burning of the BESS or a thermal runaway event, could result in inadvertent releases of hazardous materials, which could adversely affect workers, the public, and the environment during construction and/or operational activities. Thermal runaway is an event within a BESS caused by internal failure (short-circuit) or external conditions (water infiltration, extreme high or low temperatures, overcharged cells), which could result in the ejection of gas and smoke, and potentially result in combustion. Impacts are potentially significant and further discussion is warranted in the EIR.

c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

No Impact. There are no schools within 0.25 miles of the project site. The closest school to the project site is Kimball Elementary School, located approximately 0.45 miles east of the project site. No impact would occur. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

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

Potentially Significant Impact. The California Department of Toxic Substances Control's EnviroStor database tracks cleanup, permitting, enforcement, and investigation efforts at hazardous waste facilities and sites with known contamination. According to the EnviroStor database, there are no hazardous waste facilities and sites within the project site; however, there are sites located adjacent to the project site including: Maritime Shipyard, an inactive – needs evaluation site, approximately 0.05 miles to the north of the project; and Naval Base San Diego AKA Naval Station San Diego, an operating permit site, adjacent to the west side of the project (DTSC 2025). The SWRCB's GeoTracker database identifies leaking underground storage tanks, waste discharge sites, oil and gas sites, and other waste or cleanup sites. The project site, 1640 Tidelands Ave, is listed on the SWRCB's GeoTracker database as Cole Industries, with a status of Completed – Case Closed as of 1989 (ID. No T0607303113) (SWRCB 2025).

A Phase I Environmental Site Assessment has been prepared for the project site and finds that the subject property is listed under Cole Industries on the SAM San Diego, Haz San Diego, FINDS/ FRS, and UST Sweeps (x2) databases. As such, during demolition, construction and operational activities, the public could be exposed to significant hazards. Therefore, further analysis will be provided in the EIR.

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

No Impact. The closest airports to the project site are the San Diego International Airport, located approximately 5.5 miles northwest of the project site, and the Naval Air Station North Island, located approximately 4.7 miles northwest of the project site. The project site is not located within an airport land use plan. As such, the proposed project would not result in a safety hazard for people residing or working in the project area, and no impact would occur. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

f) Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

No Impact. San Diego County Emergency Operations Plan (EOP) is used within San Diego County to aid with the response to major emergencies and disasters. Included in the EOP is the Evacuation Annex, outlining strategies, procedures, recommendations, and organizational structures to implement a coordinated evacuation effort in the San Diego County Operational Area. The EOP identifies evacuation routes along major interstates and highways in San Diego County (County of San Diego 2022). The project site is not located along any major interstates or highways. There would not be any change to emergency access to the project location and the project would not result in the temporary or permanent closures of public roadways or driveways. The project would not impair an adopted emergency response plan or emergency evacuation plan and no impact would occur. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

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

Less-than-Significant Impact. According to California Department of Forestry and Fire Protection's (CALFIRE) Very High Fire Hazard Severity Zone (VHFHSZ) Maps, the project site is within a non-VHFSZ under local responsibility (CALFIRE 2025). The project site is in an entirely urban area surrounded by urban and industrial uses and near San Diego Bay. As such, the project would not expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires. Therefore, this impact is less than significant, and further analysis in the EIR is not warranted.

2.10 Hydrology and Water Quality

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
X. HYDROLOGY AND WATER QUALITY – Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☒	☐	☐	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i) result in substantial erosion or siltation on- or off-site;	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☐	☒	☐
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv) impede or redirect flood flows?	☐	☐	☒	☐
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☒	☐	☐	☐

a) Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Potentially Significant Impact. Project construction would involve repair or re-surfacing of approximately 4 acres of existing asphalt. The retained asphalt would remain in place during construction and ground excavation activities would be limited to the repair of existing asphalt, laying of electrical conduit, BESS, PV canopy and convenience store foundations, and existing subsurface utilities modifications. Project construction would consist of installation of chargers; installation of photovoltaic canopies; installation of the BESS; construction of the convenience store including restrooms; and infrastructure improvements including utility routing, storm drainage, and landscaping. Accidental spills of hazardous materials during construction activities could result in potentially significant water quality impacts. Additionally, if construction activities occur during the rainy season or during a storm event, construction of the project could result in adverse impacts to water quality. The EIR will evaluate the SWPPP and implementation of appropriate BMPs for the project and considerations for constituents from BESS and other project components' potential to enter stormwater or drainage. Therefore, this impact is potentially significant, and further analysis will be provided in the EIR.

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

Less-than-Significant Impact. Construction or operation of the project would not involve groundwater extraction or reduction to groundwater recharge that would produce any effect on the local groundwater supply or groundwater table. Impacts would be less than significant. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

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

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

ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?

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

iv) Impede or redirect flood flows?

Less-than-Significant Impact. As the project site is currently asphalt, the proposed project would generally maintain existing drainage patterns. As part of the project, a portion of the project site would be landscaped with a portion used as a stormwater retention basin and approximately 0.15 acres of the site would be green space. Site drainage would be directed on site via overland flow, surface swales, curbs and gutters, and the private storm drain system. The on-site storm drains would collect runoff and convey it to proposed proprietary biofiltration units for treatment prior to discharging into the on-site green space(s), prior to reaching San Diego Bay. Therefore, the project would not substantially alter the existing drainage pattern of the site. The project would be required to comply with any and all related mandates from a federal, state, and local level, such as preparing a SWPPP, Water Quality Management Plans and Stormwater Management Plans. Furthermore, as the project is within the District's jurisdiction, it is also subject to BMPs and mitigation utilized by the District. Potential increases in peak flows for storm events would be managed through the use of retention BMPs for stormwater runoff generated on the project site. As such, this impact is less than significant and this issue will not be further analyzed in the EIR prepared for the proposed project.

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

No Impact. The project site is in Flood Zone X, an area of minimal flood hazard (FEMA 2019). According to the Tsunami Hazard Area Map, the project site is not within a tsunami hazard area (DOC 2025d). Additionally, there is no risk of seiches in National City due to its position within San Diego Bay behind Coronado Island and the Silver Stand (City of National City 2024). No impact would occur. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

e) Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Potentially Significant Impact. The project is located within the San Diego Bay Watershed Management Area. Specifically, the project is within the Pueblo San Diego Watershed (DPW 2025). Additionally, the project is subject to the San Diego Bay Water Quality Improvement Plan, which establishes priorities, goals, and strategies to achieve progress toward improving water quality (Project Clean Water 2025). As described above, project construction activities have the potential to result in short-term impacts on water quality. Therefore, this impact is potentially significant, and further analysis will be provided in the EIR.

2.11 Land Use and Planning

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XI. LAND USE AND PLANNING – Would the project:				
a) Physically divide an established community?	☐	☐	☐	☒
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

a) Would the project physically divide an established community?

No Impact. The project site is currently developed with parking and is surrounded by industrial uses. There are no residential uses on the project site, nor are residential uses allowed on Port District Tidelands. Therefore, development of the project site would not physically divide an established residential neighborhood or community, and no impact would occur. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

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

Less-than-Significant Impact. The proposed project would not change the use, or use designation, of the site and activities would be supportive and consistent with the industrial maritime activities surrounding the site. As such, the project would be consistent with the PMP. Further, the project facilitates implementation of the District's MCAS, the California Sustainable Freight Action Plan, and APCD's Portside Community Emission Reduction Plan, each of which promote clean air initiatives and sustainability. The project would not conflict with applicable policy documents and regulations (e.g., Coastal Zone Management Act, California Coastal Act, Public Trust Doctrine, City of National City Transportation Element, and SANDAG Regional Plan). Therefore, this impact would be less than significant, and further analysis in the EIR for the proposed project is not warranted.

2.12 Mineral Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XII. MINERAL RESOURCES – Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☒

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

No Impact. The project site is located in Mineral Resource Zone-1 (MRZ-1), which is defined as an area where available geologic information indicates that little likelihood exists for the presence of significant mineral resources (DOC 2017). The project site is a paved lot and surrounded by urban and developed land. As such, the project would not result in the loss of availability of a known mineral resource. No impact would occur. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

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

No Impact. The project site and surrounding land is urban, developed land. There are no known mineral resources at the project site and no locally important mineral resource recovery sites would be lost as a result of the project. No impact would occur. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

2.13 Noise

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIII. NOISE – Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

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

Less-than-Significant Impact. According to the National City Municipal Code, the permitted noise level is 80 dBA (or A-weighted decibels) for Heavy Industry land use west of I-5 (where the project site is located). Project construction would have the potential to generate a temporary increase in ambient noise levels; however, based on the nature of the existing and surrounding uses, as well as the high noise level standards applicable, construction noise would not be expected to exceed stablished standards. Similarly, operation would result in increased ZE truck activity in the area and reduced diesel truck activity, potentially resulting in a reduction in ambient noise conditions from engine noise and similar levels of noise from reverse warning signals and other non-truck related activities (principally passenger vehicles). As such, operational noise would not be expected to exceed established standards. Therefore, this issue is less than significant, and further analysis in the EIR is not warranted.

b) Would the project result in generation of excessive groundborne vibration or groundborne noise levels?

Less-than-Significant Impact. Project construction would likely generate groundborne vibration or groundborne noise; however, these would be short term and not excessive in relation to the activities on site (RoRo) and surrounding marine industrial and U.S. Naval activities. Operation of the project would not result in groundborne vibration levels or groundborne noise levels dissimilar to those under existing conditions with the continuation of heavy-duty truck activity on the site diversifying from diesel trucks to primarily ZE trucks. Therefore, this issue is less than significant, and further analysis in the EIR is not warranted.

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

No Impact. As described in Checklist Question 2.9(e), the project site is not located within an airport land use plan. In addition, the project site is not located near a private air strip. As such, operation of the project would not expose employees to excessive aircraft noise. No impact would occur. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

2.14 Population and Housing

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIV. POPULATION AND HOUSING – Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

*a) **Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?***

Less-than-Significant Impact. The growth-inducing potential of a project would typically be considered significant if it fosters growth or a concentration of population in excess of what is assumed in applicable land use plans. Significant growth impacts could also occur if a project provides infrastructure or service capacity to accommodate levels of growth beyond levels currently permitted by local or regional plans or policies.

The project does not propose new homes or businesses that would directly induce population growth. Temporary construction-related jobs generated by the project would likely be met within the existing and future labor market in the City of National City and in the greater San Diego County area. If construction workers live outside of the City, these workers would likely commute during the temporary construction period. Operationally, the convenience store would require a minor number of new employees, which is not expected to result in substantial population growth. Employment needs can be met by the existing regional labor force, and no substantial relocation of workers would occur. Additionally, the proposed convenience store would support the existing population of truck drivers anticipated to use the electric charging stations. As such, the project would not directly induce population growth.

In addition, the project does not include the extension of roads or other infrastructure that would indirectly induce substantial population growth. Access to the project site would continue to be off Tidelands Ave. and a new entrance would be created on the site. The project would also require new electric facilities to be installed on the project site in joint utility trenches that would be located in public rights-of-ways. In conjunction with electricity, internet facilities would be installed in the joint utility trenches. Although the project includes new utility connections and minor roadway improvements to serve the site, these improvements would not extend circulation into undeveloped areas or open new areas t development. Therefore, the project would not indirectly induce substantial population growth.

Thus, the project would not induce substantial unplanned population growth and impacts would be less than significant. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

b) Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No Impact. The land use designation for the project site is marine related industrial. Residential housing is not an allowable use for this designation, no housing currently exists on the project site and residential uses are not allowed on Port Tidelands. Therefore, the project would not displace people or housing and would not require the construction of replacement housing. No impact would occur. This issue will not be further analyzed in the EIR prepared for the proposed project.

2.15 Public Services

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XV. PUBLIC SERVICES – Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
Fire protection?	☐	☐	☒	☐
Police protection?	☐	☐	☒	☐
Schools?	☐	☐	☐	☒
Parks?	☐	☐	☐	☒
Other public facilities?	☐	☐	☐	☒

a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:

Fire protection?

Less-than-Significant Impact. Fire protection services are provided to the project site by the San Diego Harbor Police and City of National City Fire Department. The closest fire station to the project site is the National City Fire Department Fire Station # 34, located approximately 1 mile east of the project site. As discussed in Section 2.9, Hazards and Hazardous Materials, the project could result in inadvertent releases of hazardous materials in the event of the ignition and burning of the BESS or a thermal runaway. The project proponent proposes to install several fire detection and mitigation systems, supplemented with external, specialized fire detection cameras, and other response measures. Therefore, the project would not require the provision of new or physically altered public facilities. Impacts would be less than significant, and this issue will not be further analyzed in the EIR prepared for the proposed project

Police protection?

Less-than-Significant Impact. Law enforcement services are provided to the project site by the Port of San Diego Harbor Police Department and National City Police Department. As discussed in Section 2.14, Population and Housing, the project would not induce substantial unplanned population growth in the area. Therefore, the project would not increase the demand for existing public facilities. Operationally, the convenience store would require a minor number of new employees, which is anticipated to be met by the existing regional labor force. Therefore, the project would not require the provision of new or physically altered public facilities. Impacts would be less than significant, and this issue will not be further analyzed in the EIR prepared for the proposed project.

Schools?

No Impact. As discussed in Section 2.14, Population and Housing, the project would not induce substantial unplanned population growth in the area. The project would not result in permanent population growth that would increase demand on schools. Therefore, no impact would occur, and this issue will not be further analyzed in the EIR prepared for the proposed project.

Parks?

No Impact. As discussed in Section 2.14, Population and Housing, the project would not induce substantial unplanned population growth in the area. The project would not result in permanent population growth that would create the demand for new public parks. Therefore, no impact would occur, and this issue will not be further analyzed in the EIR prepared for the proposed project.

Other public facilities?

No Impact. As discussed in Section 2.14, Population and Housing, the project would not induce substantial unplanned population growth in the area. Therefore, the project would not increase the demand for existing public facilities. Furthermore, project operations would require a minor number of new employees, which is anticipated to be met by the existing regional labor force. Therefore, the project would not require the provision of new or physically altered public facilities. No impact would occur and this issue will not be further analyzed in the EIR prepared for the proposed project.

2.16 Recreation

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI. RECREATION				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

No Impact. An increase in the use of existing parks and recreational facilities typically results from an increase in the number of housing units or residences in the surrounding area. As discussed in Section 2.14, Population and Housing, the project would not involve the construction of housing units or residences. The demand for temporary construction jobs and operational employment would be met by the local work force, and the project would not induce unplanned population. As such, the project would not contribute to a permanent increase in population that would increase the use of existing parks or recreational facilities. No impact would occur. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

b) Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?

No Impact. The project would include ZE truck charging, a photovoltaic canopy, a BESS, convenience store, and infrastructure improvements. The project would not involve the construction or expansion of recreational facilities. No impact would occur. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

2.17 Transportation

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVII. TRANSPORTATION – Would the project:				
a) Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☒	☐	☐	☐
b) Conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☒	☐	☐	☐
d) Result in inadequate emergency access?	☒	☐	☐	☐

a) Would the project conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Potentially Significant Impact. The proposed project would provide charging for ZE trucks at a site that is currently used as an overflow parking area for RoRo activities by Pasha. Additionally, the Bay Shore bikeway passes by the site, which is a popular route with cyclists in the region, and changes in the intersection for bike crossing and vehicles at Tidelands Avenue and W 19th Street is planned as part of a nearby project. The project includes new access to the site. These new access points would be used by ZE vehicles to access the proposed project site. An existing gate south of the proposed project's egress (driveway) would be re-opened (currently blocked with K-rail) and used for access by Pasha for continued vehicle storage activities in the remainder of the parcel. The W 19th Street gate at the U.S Navy Base can become congested at the beginning of shift as personnel report to base. As such, conflicts with bicycle and vehicle circulation could result. A Mobility Analysis Technical Study will be prepared for the project and will evaluate whether the proposed project conflicts with any applicable program, plan, ordinance, or policy addressing the circulation system. Therefore, this issue is potentially significant, and further analysis will be provided in the EIR.

b) Would the project conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?

Less-than-Significant Impact. Under CEQA Guidelines Section 15064.3(b), the project's impact on a roadway network would be significant if the project would result in a net increase in vehicle miles traveled (VMT) over baseline conditions, or otherwise conflict with CEQA Guidelines Section 15064.3(b). The proposed project would facilitate existing heavy-duty trucks used for drayage within the industrial maritime activities of the area switching from diesel to ZE while otherwise conducting drayage activities occurring today. Therefore, while Heavy-duty trucks are not included in VMT analyses, it is anticipated that ZE trucks using the project site are replacing diesel powered trucks previously in use within the area (goods movement corridor). Although existing diesel drayage trucks currently do not visit the site (except if involved in Pasha activities) these vehicles routinely pass the site and new visits to the site would consist only of those ZE trucks coming to charge. Nominal VMT may be assigned to the employees and visitors to the convenience store as well as inspections and maintenance of the proposed project; however, as employees would number less than 10 and inspections would be periodic, the proposed project would not result in a substantial increase in VMT over baseline. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

c) Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Potentially Significant Impact. The project includes a new entrance near the intersection of Tidelands Ave. and W 19th St. A Mobility Analysis Technical Study will be prepared to determine potential in hazards due to geometric design or access near intersection(s). Therefore, this issue is potentially significant, and further analysis will be provided in the EIR.

d) Would the project result in inadequate emergency access?

Potentially Significant Impact. As mentioned in Checklist Question 2.17(c), a Mobility Analysis Technical Study will be prepared to determine potential hazards associated with new accesses near multiple use intersection(s) and will address adequacy for emergency access. Therefore, this issue is potentially significant, and further analysis will be provided in the EIR.

2.18 Tribal Cultural Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVIII. TRIBAL CULTURAL RESOURCES				
Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k), or	☐	☐	☐	☒
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☐	☐	☒

Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

a) ***Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)?***

No Impact. AB 52, signed by the California Governor in September of 2014, established a class of resources under CEQA: "tribal cultural resources," defined in PRC Section 21074. Pursuant to PRC Sections 21080.3.1, 21080.3.2, and 21082.3, lead agencies undertaking CEQA review must, upon written request of a California Native American Tribe, begin consultation before the release of an EIR, negative declaration, or mitigated negative declaration. At this time, no California Native American tribes have requested consultation pursuant to Public Resources Code section 21080.3.1. However, the NAHC is included in the distribution of the Notice of Preparation for the proposed project, and the District has requested a list of California Native American tribes traditionally and culturally affiliated with the project area. These tribes will be offered the opportunity for consultation in accordance with AB 52. The site is entirely previously disturbed including subsurface utilities, former railroad, and existing asphalt. Ground excavation activities would be limited to the repair of existing asphalt, laying of electrical conduit, BESS and convenience store foundations, and existing subsurface utilities modifications. Therefore, unless consultation is requested and significant resource(s) identified, this issue will not be further analyzed in the EIR prepared for the proposed project.

b) ***A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.***

No Impact. At this time, no California Native American tribes have requested consultation pursuant to Public Resources Code section 21080.3.1. However, the NAHC is included in the distribution of the Notice of Preparation for the proposed project, and the District has requested a list of California Native American tribes traditionally and culturally affiliated with the project area. These tribes will be offered the opportunity for consultation in accordance with AB 52. Unless consultation is requested and significant resource(s) identified, this issue will not be further analyzed in the EIR prepared for the proposed project.

2.19 Utilities and Service Systems

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIX. UTILITIES AND SERVICE SYSTEMS – Would the project:				
a) Require or result in the relocation or construction of new or expanded water, waste water treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	☐	☐	☒	☐
c) Result in a determination by the waste water treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d) Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

a) ***Would the project require or result in the relocation or construction of new or expanded water, waste water treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?***

Less-than-Significant Impact. The project would require connections to the existing water supply system, wastewater infrastructure, stormwater infrastructure, and local electric power distribution systems. As the project site is developed and in an industrial area, all utilities are available servicing the site or adjacent properties and only minor modifications would be necessary to connect the project to these. In addition, with the exception of electrical power, the service demand from the project on services would be small driven by the convenience store and restrooms (water and sewer). Electricity is available from nearby SDG&E facilities. While upgrades to the nearby SDG&E facilities may be necessary to support full build out of the project, demand is offset by the project photovoltaic and BESS components, and any improvements necessary by SDG&E would be achieved within existing facilities or available adjacent disturbed/developed sites that would not result in significant environmental effects. Implementation of

the project includes stormwater drainage that would not require new or expanded offsite facilities and the project would not require natural gas. Therefore, impacts would be less than significant, further discussion in the EIR is not warranted.

b) Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

Less-than-Significant Impact. The project would receive water from the Sweetwater Authority. The project's convenience store and restrooms would increase water usage compared to existing conditions. However, based on the small size of the store and small number of restroom stalls and showers, this increase would be negligible and impacts would be less than significant, and further discussion in the EIR is not warranted.

c) Would the project result in a determination by the waste water treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Less-than-Significant Impact. The project would receive wastewater service from National City. The project's convenience store, showers and restrooms would increase wastewater need compared to existing conditions. However, based on the small number of restroom stalls and showers, this increase would be negligible and impacts would be less than significant, and further discussion in the EIR is not warranted.

d) Would the project generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Less-than-Significant Impact. As the site does not contain any structures, solid waste from construction would be minimal and limited to asphalt debris that cannot be reused onsite. The project's convenience store and restrooms would generate solid waste once operational. However, based on the small size of the convenience store and restrooms, this increase would be negligible, and impacts would be less than significant, and further discussion in the EIR is not warranted.

e) Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Less-than-Significant Impact. As the site does not contain any structures, solid waste from construction would be minimal and limited to asphalt debris that cannot be reused onsite. The project's convenience store and restrooms would generate solid waste once operational. All solid wastes would be disposed of in compliance with federal state and local regulations including recycling requirements and hazardous waste requirements. As such, impacts would be less than significant, and further discussion in the EIR is not warranted.

2.20 Wildfire

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XX. WILDFIRE – If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☒
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☐	☒
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☒

a) Would the project substantially impair an adopted emergency response plan or emergency evacuation plan?

No Impact. The project site is within a local responsibility area and is designated by CALFIRE as a non-VHFHSZ (CALFIRE 2025), with the nearest VHFHSZ located approximately 6.7 miles east of the project site. The areas around San Diego Bay are primarily developed and are not susceptible to wildfires. San Diego County EOP is used within San Diego County to aid with the response to major emergencies and disasters. Included in the EOP is the Evacuation Annex, outlining strategies, procedures, recommendations, and organizational structures to implement a coordinated evacuation effort in the San Diego County Operational Area. The EOP identifies evacuation routes along major interstates and highways in San Diego County (County of San Diego 2022). The project site is not located along any major interstates or highways. There would not be any change to emergency access to the project location and the project would not result in the temporary or permanent closures of public roadways or driveways. The project would not impair an adopted emergency response plan or emergency evacuation plan, and no impact would occur. Therefore, this issue will not be further analyzed in the EIR prepared for the proposed project.

b) Due to slope, prevailing winds, and other factors, would the project exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

No Impact. The project site consists of disturbed and paved surfaces and is not near any urban-wildland interface. The risk of wildfire is low due to the project site being within a non-VHFSZ. Therefore, the project would not exacerbate the risk of wildfires. No impact would occur, and this issue will not be further analyzed in the EIR prepared for the proposed project.

c) Would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

No Impact. The project site consists of disturbed and paved surfaces and is not near any urban-wildland interface. The risk of wildfire is low due to the project site being within a non-VHFSZ. Furthermore, the site is surrounded by existing infrastructure including roads and electrical services. Therefore, the project would not exacerbate the risk of wildfires. No impact would occur, and this issue will not be further analyzed in the EIR prepared for the proposed project.

d) Would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

No Impact. Downstream flooding and landslide activity generally occurs in areas that lack vegetation and have steep slopes. The project site consists of disturbed and paved surfaces and is not near any urban-wildland interface. The risk of wildfire is low due to the project site being within a non-VHFSZ. Therefore, the project would not expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes. No impact would occur and this issue will not be further analyzed in the EIR prepared for the proposed project.

2.21 Mandatory Findings of Significance

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XXI. MANDATORY FINDINGS OF SIGNIFICANCE				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☒	☐	☐	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☒	☐	☐	☐

a) ***Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?***

Less-than-Significant Impact. As described under sections 2.4, 2.5, and 2.18 the project would result in less than significant impacts to biological resources, cultural resources and tribal cultural resources. Therefore, further analysis in the EIR is not warranted.

b) ***Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)***

Potentially Significant Impact. CEQA Guidelines, Section 15130, requires a discussion of the cumulative impacts of a project when the project's incremental effect is "cumulatively considerable," meaning that the project's incremental effects are considerable when viewed in connection with the effects of past, current, and probable future projects. The cumulative impacts discussion does not need to provide as much detail as is provided in the analysis of project-specific impacts and should be guided by the standards of practicality and reasonableness.

As determined by this Initial Study, there may be potentially significant effects related to air quality, hazards and hazardous materials, hydrology and water quality, energy and transportation. Therefore, the potential contribution to cumulative impacts related to these resources will be discussed in the EIR.

Because the project would have less than significant or no impact on agriculture and forestry resources, biological resources, cultural resources, geology and soils, GHG emissions, land use and planning, mineral resources, noise, population and housing, public services, recreation, Tribal cultural resources, utilities and service systems, and wildfire it is determined that cumulative impacts related to these

resource areas would not result. Further discussion of the cumulative effect on these resources will not be further analyzed in the EIR

c) *Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?*

Potentially Significant Impact. Based on the analysis above, the project has the potential to result in significant effects that may directly or indirectly effect human beings, specifically in regard to air quality, hazards and hazardous materials, hydrology and water quality, energy and transportation. As such, the project has the potential to result in environmental impacts that could cause substantial adverse effects on human beings, either directly or indirectly. Therefore, further analysis will be provided in the EIR.

3 References and Preparers

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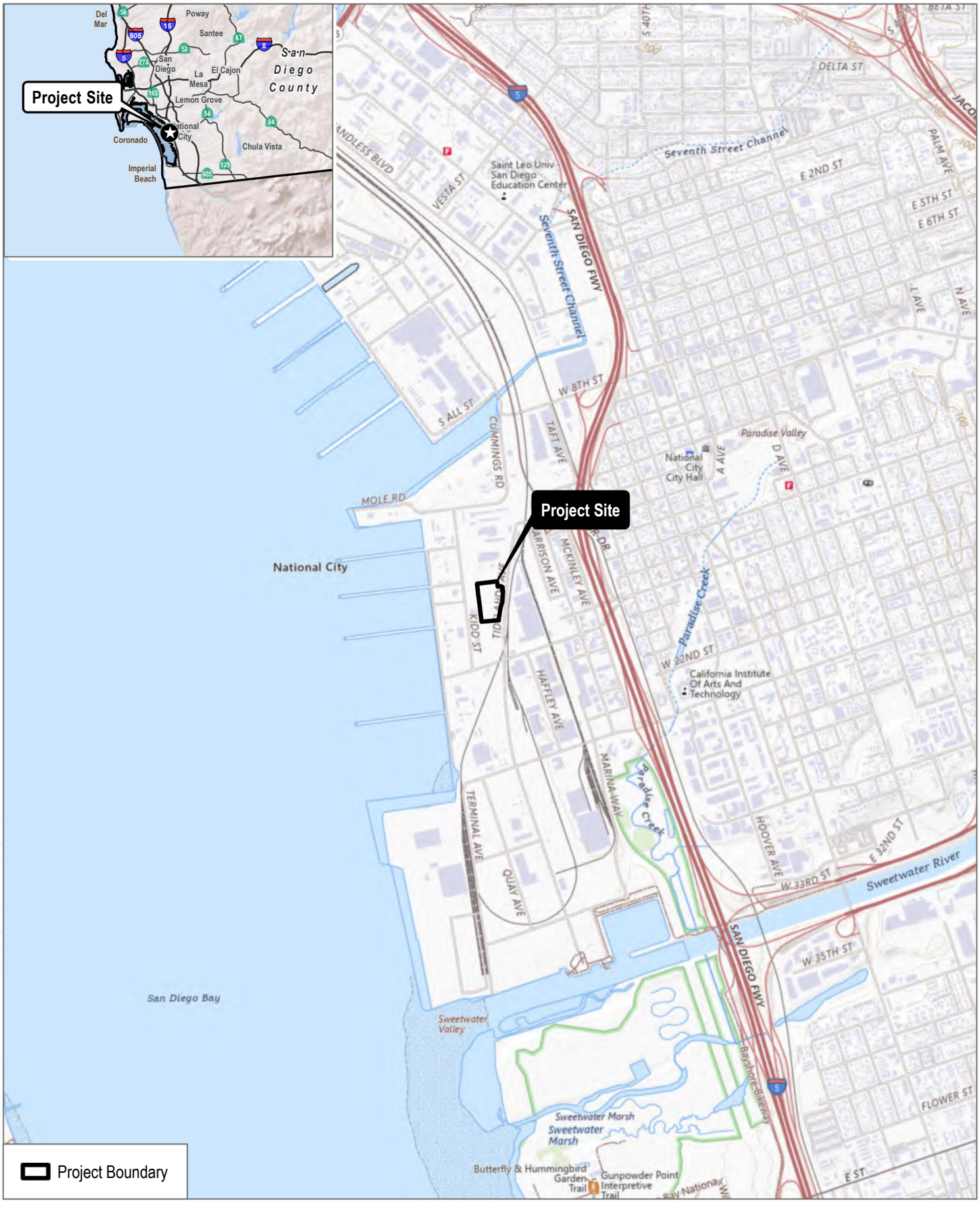
3.2 List of Preparers

San Diego Unified Port District

Peter Eichar, AICP, Program Manager, Climate and Sustainability
Jolie Gobler, Assistant Planner, Planning

Dudek

Matt Valerio, Principal/Coastal Services Manager
Tuesday Christopher, Environmental Planner



SOURCE: USGS National Map 2025

DUDEK

0 1,000 2,000 Feet

FIGURE 1

Project Location

Tidelands Avenue Electric Truck Hub

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LEGEND:

- DUAL PORT SATELLITE DISPENSER
- SINGLE PORT SATELLITE DISPENSER
- POWER CABINET
- PICNIC TABLE
- SOLAR CANOPY OUTLINE
- LIGHT POLE
- FENCE
- # OVERNIGHT CHARGING STALL
- # OPPORTUNITY CHARGING STALL

SOURCE:

FIGURE 2

Proposed Site Plan

Tidelands Avenue Electric Truck Hub

DUDEK

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Appendix B
Comment Letters

From:	Jose Manuel Garcia Castro
To:	Peter Eichar
Cc:	Juan Baez; José de Jesús Gálvez
Subject:	Re: Notice of Preparation - Tidelands Avenue Electric Truck Hub
Date:	Wednesday, June 18, 2025 8:37:08 AM
Attachments:	image001.png

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Dear Mr. Eichar,

On behalf of **Bali Express Services Inc.**, a cross-border logistics company operating between the Port of Long Beach, San Diego County, and Tijuana, we would like to thank the Port of San Diego for its commitment to sustainability and innovation through the proposed Tidelands Avenue Electric Truck Hub project.

As a carrier that currently operates **six Class 8 fully electric trucks**, we are proud to have been the **first company to complete a cross-border trip between Mexico and the U.S. via California with a zero-emission freight truck**—an achievement we accomplished over a year ago. We were also the first to establish a **zero-emissions corridor connecting San Diego and the Port of Long Beach**. These milestones have positioned us as pioneers in electrified freight movement in the border region.

However, this transformation has come at a **significant financial cost** to our company. Despite leveraging available incentive programs such as **Carl Moyer and the VW Mitigation Trust**, the **delayed timelines** and **lack of coordinated execution—especially from AQMD—have made it nearly impossible to synchronize vehicle availability with grant funding and financing structures**. Without targeted and timely support, **the continuation of our electrification efforts is at serious risk**.

In light of this, we respectfully request that the EIR and future implementation plans for the Electric Truck Hub take into account the following:

1. **Carrier Access and Incentive Alignment:**
   Ensure priority access or partnership frameworks for early adopters like Bali Express who have already invested heavily in zero-emission technology. In addition, project-related incentives or credits should be explicitly aligned with actual timelines and realities in vehicle deployment.

2. **Infrastructure Equity and Utility Coordination:**
   Clarify how the energy infrastructure (charging capacity, grid reliability, and scheduling systems) will be distributed among public users, drayage carriers, and private fleet operators. Consideration for fleet size and operational type should guide this allocation.

3. **Financial Viability for Small and Mid-Sized Carriers:**
   The EIR should evaluate not just environmental effects but also the **economic feasibility** for the logistics community to transition to electric. Without rapid-response financial support, the transition could consolidate market access into a few large

carriers, undermining regional competitiveness.

4. **Interagency Coordination and Grant Delivery Reform:**
   We urge the Port to advocate for faster and more integrated grant disbursement processes. Programs like Carl Moyer and VW Mitigation Trust must coordinate better with OEM timelines, credit structures, and utility infrastructure.

5. **Opportunity for Strategic Partnership:**
   As a company committed to sustainable freight, we are open to serving as a testbed or pilot partner for the Electric Hub and any collaborative frameworks that support broader implementation.

We appreciate your leadership and hope these comments help inform a more inclusive, practical, and resilient strategy for clean freight deployment in the San Diego Bay area.

Sincerely.

El mié, 18 jun 2025 a la(s) 7:32 a.m., Peter Eichar (peichar@portofsandiego.org) escribió:

> The San Diego Unified Port District (District) will be the Lead Agency in preparing an Environmental Impact Report (EIR) for the Tidelands Avenue Electric Truck Hub (proposed project or project). The District is soliciting input and feedback from various agencies, stakeholders, and the public pertaining to the scope and content of the environmental information that will be included in the EIR. For certain agencies, this may be germane to statutory responsibilities in connection with the proposed project. A responsible agency may need to use the proposed project's EIR when considering issuance of permits or other approvals for the project. The project description, location, and possible environmental effects of the proposed project are contained in the attached and web-linked (below) materials.
>
> The Notice of Preparation (NOP) is available for a minimum 30-day public review period that starts on Wednesday June 18, 2025, and ends at 5:00 p.m. on Monday July 21, 2025. The NOP is available for public review online at: https://www.portofsandiego.org/public-records/port-updates/notices-disclosures/ceqa-documents or at the Office of the District Clerk, 3165 Pacific Highway, San Diego, California 92101.
>
> Comments regarding the scope and content of the environmental information that should be included in the Draft EIR and other environmental concerns should be mailed to:
>
> San Diego Unified Port District
>
> Planning Department
>
> Attn: Peter Eichar
>
> P.O. Box 120488

San Diego, California 92112-0488

Or emailed to peichar@portofsandiego.org

Two public scoping meetings will be held to solicit comments on the scope of the proposed EIR. The first meeting will be held in-person at 6:00 pm on Tuesday, June 24, 2025, in the community room at the National City Public Library. The second meeting will be a virtual public scoping meeting held at 6:00 pm on Wednesday, June 25, 2025. Virtual scoping meeting attendees can join the virtual scoping meeting by clicking here.

Responses to the NOP must be received by 5:00 p.m. on Monday July 21, 2025. Please reference 'Tidelands Avenue Electric Truck Hub Project' in all correspondence. Comments and suggestions as to the appropriate scope of analysis in the EIR are invited from all interested parties. Commenters should focus comments on potential impacts of the project on the physical environment. Commenters are encouraged to identify ways that potential adverse effects resulting from the project might be minimized and to identify reasonable alternatives and mitigation measures to the project.

Peter Eichar, AICP

Program Manager

Climate & Sustainability

O - 619.686.6284

C – 619.380.0928



--
José Manuel García Castro
General Manager
jcastro@baliexpservices.com

Bali Express Services
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California Department of Transportation

DISTRICT 11
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SAN DIEGO, CA 92110
PHONE (619) 709-5152 | FAX (619) 688-4299 TTY 711
www.dot.ca.gov

July 17, 2025

11-SD-5
PM 10.53
San Diego Port- Tidelands Avenue Electric Truck Hub Project
NOP SCH#2025060903

Mr. Peter Eichar
Program Manager
San Diego Unified Port District
3165 Pacific Highway
San Diego, CA 92101

Dear Mr. Eichar:

Thank you for including the California Department of Transportation (Caltrans) in the development review process for the Tidelands Avenue Electric Truck Hub Notice of Preparation (NOP), located near Interstate (I-5). Caltrans's mission is to improve lives and communities through transportation. Caltrans reviews land use projects and plans to ensure consistency with our mission and State transportation planning priorities.

Safety is one of Caltrans' strategic goals. Caltrans strives to make the year 2050 the first year without a single death or serious injury on California's roads. We strive for more equitable outcomes for the transportation network's diverse users. To achieve these ambitious goals, we will pursue meaningful collaboration with our partners. We encourage the implementation of new technologies, innovations, and best practices that will enhance the safety of the transportation network. These pursuits are ambitious and urgent, and their accomplishment involves a focused departure from the status quo as we continue to institutionalize safety in all our work.

Caltrans has the following comments:

Traffic Analysis

A Vehicle Miles of Travel (VMT) based Traffic Impact Study (TIS) should be provided for this project. Please use the Governor's Office of Land Use and Climate Innovation (formerly known as Planning and Research) to identify VMT related impacts.[1]

The TIS may also need to identify the proposed project's near-term and long-term safety or operational issues, on or adjacent to existing or proposed State facilities.

[1] California Governor's Office of Planning and Research (OPR) 2018. "Technical Advisory on Evaluating Transportation Impacts in CEQA." https://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf

For the Draft Environmental Impact Report, please reference the Caltrans "Local Development Review (LDR) Safety Review Practitioner's Guidance" https://dot.ca.gov/-/media/dot-media/programs/safety-programs/documents/202402-ldr-safety-review-practitioners-guidance-a11y.pdf to determine if the project meets both of the screening criteria page 5 of the PDF file *Safety Review Screening Criteria*. If both screening criteria are not met, then a safety review will be needed. Please clarify.

Noise

The applicant must be informed that in accordance with 23 Code of Federal Regulations (CFR) 772, Caltrans is not responsible for existing or future traffic noise impacts associated with the existing configuration of I-5.

Environmental

Caltrans welcomes the opportunity to be a responsible agency under CEQA, as we have some discretionary authority over a portion of the project in Caltrans' Right-of-Way (R/W) through an encroachment permit process. We look forward to coordinating our efforts to ensure that Caltrans can adopt the alternative and/or mitigation measure for the State's R/W. We would appreciate meeting with the lead agency to discuss the elements of the environmental document that Caltrans will use for our subsequent environmental compliance.

We recommend that this project identifies and assesses potential impacts caused by the project or impacts from mitigation efforts within Caltrans' R/W. This includes impacts to the natural environment, infrastructure including but not limited to highways, roadways, structures, intelligent transportation systems elements, on-ramps and off-ramps, and appurtenant features including but not limited to fencing, lighting, signage, drainage, guardrail, slopes and landscaping.

Right-of-Way

Per Business and Profession Code 8771, perpetuation of survey monuments by a licensed land surveyor is required, if they are being destroyed by any construction.

Any work performed within Caltrans' R/W will require discretionary review and approval by Caltrans and an encroachment permit will be required for any work within the Caltrans' R/W prior to construction.

Additional information regarding encroachment permits may be obtained by visiting the website at https://dot.ca.gov/programs/traffic-operations/ep. Projects with the following:

- require a Caltrans Encroachment Permit
- have completed the Caltrans Local Development Review (LDR) process
- have an approved environmental document

need to have documents submitted for Quality Management Assessment Process (QMAP) process via email to D11.QMAP.Permits@dot.ca.gov. Early coordination with Caltrans is strongly advised for all encroachment permits.

If you have any questions or concerns, please contact Roger Sanchez, LDR Coordinator, by phone (619) 987-1043 or by e-mail at roger.sanchez-rangel@dot.ca.gov.

Sincerely,

Kimberly D. Dodson

KIMBERLY D. DODSON, GISP
Branch Chief
Local Development Review

ENVIRONMENTAL HEALTH COALITION
2727 HOOVER AVE., SUITE 202 · NATIONAL CITY, CA 91950 · (619) 474-0220 · WWW.ENVIRONMENTALHEALTH.ORG

July 21, 2025

San Diego Unified Port District
Planning Department
Attn: Peter Eichar
Program Manager
P.O. Box 120488 San Diego,
California 92112-0488

Re: Environmental Health Coalition Response to the NOP for Tidelands Avenue Electric Truck Hub project

Environmental Health Coalition (EHC) agrees with the analysis and determinations of the initial study and notice of preparation for an Environmental Impact Report (EIR). The following comments are meant to provide additional aspects the EIR should study and consider for mitigation.

Potential Fire Air Quality Impacts

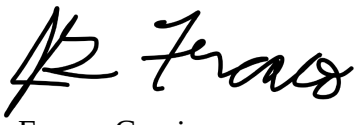
EHC is supportive of further study in the EIR of the potential for battery energy storage system (BESS) ignition and fire. Impacts on the surrounding community should be assessed in the case of a battery fire. There is the potential for air quality impacts and fire, especially for the residences that are located only 0.25 miles away to the east. Additionally, Kimball Elementary School is located approximately 0.45 miles to the east of the project site and should be considered within the impact zone if a fire were to occur, given that particulate matter would not be confined to only a 0.25-mile radius. The potential impact on the health and safety of the school and students must be assessed in the EIR.

Potential Transportation Impacts

If the project does not provide stronger mechanisms to ensure that charging at the site is mainly for Port serving trucks, then there is the potential for induced demand of trucks not already operating in the area to travel to the site for charging. This is a potential impact that could require mitigation. The project should prioritize charging for trucks already doing business at the Port's maritime industrial terminals in order to avoid attracting new trips from trucks not already in operation on the streets that access the project site. Identifying way to further prioritize port-serving trucks will reduce the potential impacts to surrounding transportation infrastructure and traffic.

Thank you for the opportunity to comment on the notice of preparation for the EIR for the Tidelands Avenue Electric Truck Hub project. We look forward to engaging in the process in the future. If you have any questions, please contact Kyle Heiskala, at kyleh@environmentalhealth.org.

Sincerely,



Franco Garcia

Executive Director,
Environmental Health Coalition

cc: Leslie Nishihira, Vice President, Planning & Development

Jason Giffen, Chief Sustainability & Innovation Officer

From: Larry Emerson
To: Peter Eichar
Subject: Tidelands Avenue electric truck hub EIR comments:
Date: Monday, July 21, 2025 1:39:31 PM

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Tidelands Avenue electric truck hub EIR comments (by Lawrence Emerson):

1. A comparison should be made of the pollution coming from diesel and gas trucks versus the electric trucks that will replace them.
2. Some concern was expressed about battery storage fires at the facility as well as battery fires from the electric trucks. Using the latest standards, this should not be a problem, but here are a few of my suggestions:
    1. Lithium iron phosphate (LFP) batteries are proving to be much more fire safe and should be given consideration for this project's energy storage. Also LFP batteries should be considered for use in the electric trucks to be used/leased. (Or EV batteries of other respected manufactures)
    2. Since recent tariffs may be applied to imported lithium iron batteries, energy storage systems made in the United States should be considered.
    3. There are two companies that manufacture, non-lithium energy storage batteries in the United States that I am aware of. And both are not fire hazards.
    4. One U.S. Manufacturer, ESS Tech, makes Iron-Flow Batteries for long duration storage. They have deployed their product in California, and as far away as

Australia. (**iron flow** batteries work by circulating liquid electrolytes — made of **iron**, salt, and water — to charge and discharge electrons, providing up to 12 hours of storage capacity.) **ESS** Tech, Inc. (**ESS**) has developed, tested, validated, and commercialized **iron flow technology** since 2011.

5. The other U.S. Manufacturer, EOS Energy Enterprises, makes Zinc-Based Battery Energy Storage Systems (BESS). **Eos** is accelerating the shift to American energy independence with **zinc**-powered energy storage solutions. Safe, simple, durable, flexible, and available, our commercially-proven, U.S.-manufactured **battery**technology overcomes the limitations of conventional lithium-ion in 3- to 12- hour intraday applications. Their batteries have also been deployed a California and other States in the U.S

Please confirm receipt of these comments. Thanks

Lawrence (Larry) Emerson
National City Resident
And Member of the Electric Vehicle Association of San Diego
Sent from my iPad

From: Ron Morrison
To: Peter Eichar
Subject: Tidelands Avenue Electric Truck Hub EIR Comments
Date: Monday, July 21, 2025 11:46:29 AM

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1. The locating of this facility immediately upwind of the Interstate 5 and the densest City in the County (National City) is both reckless and irresponsible. This would concentrate this large number of mobile lithium power banks, otherwise known as electrified 18 wheelers, into one small area just waiting for the eventual accident, equipment failure or maintenance lapse to force the evacuation of Interstate 5 and our City. While the proponents have heralded this as something good for the Region they only want to consider it in the disadvantaged community that has already been over encumbered with Regional 'assets' that no one else wants in their community.
2. Because of past agreements between the Port Authority and the Environmental Health Coalition the Community of the City of National City has already been overly encumbered with much more than our share of unnecessary truck traffic, which has led to an UnEnvironmental and UnHealthy condition that our residents have to live with. First it was 'Let's move the diesel trucks southward to National City (and have them then go northward again) to save Barrio Logan' and now the same people want to put a facility in National City that could have wide spread environmental and health issues to 'save' us from the problem they caused in the first place.
3. This project was pushed through the approval process at the Port to meet artificial deadlines to retain a 'Port of Firsts' status. Obvious concerns were not even considered until after the decision was made to move ahead with the project over the objections of the City. The consideration of this project should be started over to have an objective appraisal of the practicality, necessity, timing and future impacts that a concept that is still in its infant stage could have on an already disadvantaged community.
4. Because of the volatile nature of lithium and the use of independent trucking, emergency planning and implementation needs to be in place and prefunded so as to be proactive and not reactive after the fact of evacuations and health impacts if this project is going to be forced on our community. The history of results of lithium fires on areas that much more rural than our extremely dense urban area has had much documentation.
5. The weight displacement of these electrified 18 wheelers will be altered which will affect the impact on our road conditions
6. As a disadvantaged City that is a Member of the Port of San Diego we would hope to receive a fair share of the economic advantage that has been afforded to the other 4 member cities, but instead we are offered projects like this one that have obvious drawbacks without any realistic compensation.
7. Since electrification of heavy vehicles is only currently practical for short hauls, and most short hauls come off the !0th Ave Terminal, if this facility is deemed necessary and safe then it would be better placed at the 10th Ave Terminal.

Mayor Ron Morrison
City of National City
1243 National City Blvd., National City, CA 91950
T: 619.336.4236 | rmorrison@**nationalcityca.gov**
Website | **Facebook** | **Instagram** | **Twitter** | **LinkedIn**

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Cahuilla

COMMISSIONER
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Pauma-Yuima Band of Luiseño Indians

COMMISSIONER
Vacant

ACTING EXECUTIVE SECRETARY
Steven Quinn

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov

June 19, 2025

Peter Eichar
San Diego Unified Port District
3165 Pacific Highway
San Diego CA 92101

Re: 2025060903 Tidelands Avenue Electric Truck Hub Project, San Diego County

Dear Mr. Eichar:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements.** If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:

- **a.** A brief description of the project.
- **b.** The lead agency contact information.
- **c.** Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
- **d.** A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).

- **a.** For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:

- **a.** Alternatives to the project.
- **b.** Recommended mitigation measures.
- **c.** Significant effects. (Pub. Resources Code §21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:

- **a.** Type of environmental review necessary.
- **b.** Significance of the tribal cultural resources.
- **c.** Significance of the project's impacts on tribal cultural resources.
- **d.** If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:

- **a.** Whether the proposed project has a significant impact on an identified tribal cultural resource.
- **b.** Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:

a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or

b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:

a. Avoidance and preservation of the resources in place, including, but not limited to:

i. Planning and construction to avoid the resources and protect the cultural and natural context.

ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.

b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:

i. Protecting the cultural character and integrity of the resource.

ii. Protecting the traditional use of the resource.

iii. Protecting the confidentiality of the resource.

c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.

d. Protecting the resource. (Pub. Resource Code §21084.3 (b)).

e. Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).

f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:

a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.

b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.

c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf.

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).
2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
    a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
    b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/.

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (https://ohp.parks.ca.gov/?page_id=30331) for an archaeological records search. The records search will determine:
    a. If part or all of the APE has been previously surveyed for cultural resources.
    b. If any known cultural resources have already been recorded on or adjacent to the APE.
    c. If the probability is low, moderate, or high that cultural resources are located in the APE.
    d. If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
    a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
    b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:

a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.

b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.

a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.

b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.

c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@NAHC.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

cc: State Clearinghouse

From: Ayres, Jasmin Kay D CIV USN (USA)
To: Peter Eichar
Cc: Mcallister, Karen E CDR USN COMNAVFACSYSCOM (USA); Mugg, James P CIV USN NAVFAC SW SAN CA (USA)
Subject: Tidelands Avenue Electric Truck Hub Project
Date: Monday, July 21, 2025 3:53:00 PM
Attachments: 20250618-0721_Tidelands_Ave_eHub_NOP-NBSD Comments.pdf

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon, Peter -

Thank you for providing Naval Base San Diego (NBSD) Public Works with the opportunity to review the Notice of Preparation (NOP) of a Draft Environmental Impact Report (DEIR) dated June 18, 2025.

As the homeport of the U.S. Pacific Fleet, NBSD greatly appreciates Port Staff's continued collaboration and commitment to limiting adverse impacts to our mission operations. We value this ongoing partnership and look forward to reviewing the DEIR once it becomes available.

Please find attached our initial review comments and questions on the NOP, compiled by NBSD staff reviewers. These preliminary observations will help inform our more comprehensive review of the full DEIR.

Thank you again for your proactive engagement and commitment to interagency coordination. Please feel free to contact me if you have any questions regarding our attached comments or to discuss next steps in our collaborative review process.

Very Respectfully,

Jasmin Ayres
Community Planning & Liaison Officer
Naval Base San Diego
3455 Senn Rd. Bldg. 72
San Diego, CA 92136
O: (619) 556-8183 | M: (619) 581-9656
jasminkay.d.ayres.civ@us.navy.mil

Port of SD Tidelands Ave E-Hub NOP Comments (Version Received 18 JUN 2025)

#	Section/Reference	Remarks:
1	Page 5 of 68	Project Construction, Paragraph 3 "Limited off site improvements ... providing access off W 19th St ... RoRo activities". Has the new traffic pattern been included in the traffic analysis conducted for NBSD peak inbound and outbound gate activity? Where would the new access driveway be located?
4	Page 11 of 68	What is the distance from the canopy to the Navy fence line?
5	Page 20 of 68	What is duration of Skychargers (LLC) lease?
6	Page 30 of 68	Protecting biological resources... "To the minimum extent feasible, several trees (2 or 3) may be removed to accommodate a new driveway; these trees are landscape trees and would not conflict with any tree preservation policy or ordinance. Additionally, the project would include an approximate 0.15-acre greenspace consisting of grasses and groundcover" In order to qualify proposed landscaping as alternate natural resource, please do not quantify any non-living synthetic turf.
7	Page 35 of 68	"Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?" Is soil remediation required for this site?
8	Page 36 of 68	"due to uncertainty on the availability of electric power from San Diego Gas & Electric (SDG&E) for full operation of the site once constructed, the project proposes the short-term initial use of a diesel generator to supplement grid electricity to ensure operation of the site should there not be enough electrical power from the grid." What duration would use of diesel generators be permitted?
9	Page 36 of 68	"Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency? Less-than-Significant Impact." This impact may be understated if diesel generators are used to operate this facility, what is max permitted use of diesel generators?
10	Page 40 of 68	"Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? Less-than-Significant Impact." This impact may be understated if diesel generators are used to operate this facility, what is max permitted use of diesel generators?
11	Page 41 of 68	"Would the project generate conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?" This impact may be understated if diesel generators are used to operate this facility, what is max permitted use of diesel generators?
12	Page 42 of 68	"Operation of the BESS would include lithium-ion battery cells in addition to the battery-electric trucks that would use the project site for re-fueling. Fires at other BESS facilities in San Diego County and elsewhere in California have raised concerns regarding the fire safety of these facilities and constituent materials used and their disposal or handling." What Best Management Practices or regulation are in place to mitigate this concern?
13	Page 42 of 68	"According to the EnviroStor database, there are no hazardous waste facilities and sites within the project site; however, there are sites located adjacent to the project site including: Maritime Shipyard, an inactive – needs evaluation site, approximately 0.05 miles to the north of the project; and Naval Base San Diego AKA Naval Station San Diego, an operating permit site, adjacent to the west side of the project (DTSC 2025). The SWRCB's GeoTracker database identifies leaking underground storage tanks, waste discharge sites, oil and gas sites, and other waste or cleanup sites. The project site, 1640 Tidelands Ave, is listed on the SWRCB's GeoTracker database as Cole Industries, with a status of Completed – Case Closed as of 1989 (ID. No T0607303113) (SWRCB 2025)." Will soil testing be conducted prior to construction to confirm quality/ character? Is this a part of the Phase I Environmental Site Assessment? Will the project require export of soil?
14	Page 44 of 68	Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan? Has the Navy been consulted regarding impacts to Emergency Operations?

15	Page 49 of 68	"Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? Less-than-Significant Impact. According to the National City Municipal Code, the permitted noise level is 80 dBA (or A-weighted decibels) for Heavy Industry land use west of I-5 (where the project site is located). Project construction would have the potential to generate a temporary increase in ambient noise levels; however, based on the nature of the existing and surrounding uses, as well as the high noise level standards applicable, construction noise would not be expected to exceed stablished standards. Similarly, operation would result in increased ZE truck activity in the area and reduced diesel truck activity, potentially resulting in a reduction in ambient noise conditions from engine noise and similar levels of noise from reverse warning signals and other non-truck related activities (principally passenger vehicles). As such, operational noise would not be expected to exceed established standards. Therefore, this issue is less than significant, and further analysis in the EIR is not warranted." Will the noise level exceed current land use dBA? How does current level compare to permitted 80 dBA? What are the "established standards compared to the max permitted decibels? Suggest continued discussion in EIR.
16	Page 49/50 of 68	Because the EV truck charging is targeting local truck traffic, it is not unreasonable to foresee business development as a result of this proposed infrastructure. Suggest exploration if this topic in EIR.

From:	Martin Reeder
To:	Peter Eichar
Cc:	Scott Huth
Subject:	RE: Notice of Preparation - Tidelands Avenue Electric Truck Hub
Date:	Monday, July 21, 2025 4:06:43 PM
Attachments:	image003.png NCFD Points Consultant Revision 4-24-25.pdf Contractor Requirements Janaury 6 2025 Revision R.H_.pdf Underground Sprinkler Requirements Revision 2025.pdf Water Service Brochure-Sweetwater Authority.pdf Sign Requirements revised 12-5-22.pdf Sign Color and Specs..pdf Appendix D CFC 2022.pdf

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Good afternoon Peter,

I have attached comments that were provided to Cody Hooven (Evolutions Affairs)on behalf of Skycharger back in April from our Fire Department. In addition, the City Traffic Engineer will need a formal traffic analysis that compares existing truck traffic to future truck traffic estimated to be generated by the new facility.

I believe the Mayor will be commenting separately.

Thank you for the opportunity to comment.

Best,

Martin Reeder | AICP
Acting Community Development Director
Community Development Department
City of National City
1243 National City Blvd., National City, CA 91950
T: 619.336.4313 | **mreeder@nationalcityca.gov**
Website | **Facebook** | **Instagram** | **Twitter** | **LinkedIn**

From: Peter Eichar <peichar@portofsandiego.org>
Sent: Wednesday, June 18, 2025 7:32 AM
To: Peter Eichar <peichar@portofsandiego.org>
Subject: Notice of Preparation - Tidelands Avenue Electric Truck Hub

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

The San Diego Unified Port District (District) will be the Lead Agency in preparing an

Environmental Impact Report (EIR) for the Tidelands Avenue Electric Truck Hub (proposed project or project). The District is soliciting input and feedback from various agencies, stakeholders, and the public pertaining to the scope and content of the environmental information that will be included in the EIR. For certain agencies, this may be germane to statutory responsibilities in connection with the proposed project. A responsible agency may need to use the proposed project's EIR when considering issuance of permits or other approvals for the project. The project description, location, and possible environmental effects of the proposed project are contained in the attached and web-linked (below) materials.

The Notice of Preparation (NOP) is available for a minimum 30-day public review period that starts on Wednesday June 18, 2025, and ends at 5:00 p.m. on Monday July 21, 2025. The NOP is available for public review online at: https://www.portofsandiego.org/public-records/port-updates/notices-disclosures/ceqa-documents or at the Office of the District Clerk, 3165 Pacific Highway, San Diego, California 92101.

Comments regarding the scope and content of the environmental information that should be included in the Draft EIR and other environmental concerns should be mailed to:

San Diego Unified Port District
Planning Department
Attn: Peter Eichar
P.O. Box 120488
San Diego, California 92112-0488
Or emailed to peichar@portofsandiego.org

Two public scoping meetings will be held to solicit comments on the scope of the proposed EIR. The first meeting will be held in-person at 6:00 pm on Tuesday, June 24, 2025, in the community room at the National City Public Library. The second meeting will be a virtual public scoping meeting held at 6:00 pm on Wednesday, June 25, 2025. Virtual scoping meeting attendees can join the virtual scoping meeting by clicking here.

Responses to the NOP must be received by 5:00 p.m. on Monday July 21, 2025. Please reference 'Tidelands Avenue Electric Truck Hub Project' in all correspondence. Comments and suggestions as to the appropriate scope of analysis in the EIR are invited from all interested parties. Commenters should focus comments on potential impacts of the project on the physical environment. Commenters are encouraged to identify ways that potential adverse effects resulting from the project might be minimized and to identify reasonable alternatives and mitigation measures to the project.

Peter Eichar, AICP
Program Manager
Climate & Sustainability

O - 619.686.6284
C – 619.380.0928



City of National City
Fire Department
Phone (619) 336-4550

Skycharger Overview & EV Charging Facility Considerations for National City FD

Date: April 23, 2025

Project: Skycharger

Division Chief: R. Hernandez

A fire Department permit will not be issued unless all comments are completed and approved. If you have any questions, please call (619) 336-4550.

V. Safety and Operational Considerations for National City Fire Department (NCFD)

A. Deployment & Site Planning

EV charging site deployment requires collaboration with local zoning, utilities, and emergency services. Early engagement with NCFD is critical to address:

- Fire lane access
- Fire lane exiting
- Emergency signage
- Emergency shut-offs
- Emergency after hours' contacts
- Response zone design
- Walter supply

B. Inherent Fire and Electrical Risks

EV charging sites present unique hazards:

- **High-energy lithium-ion battery fires**
- **Thermal runaway risks** (fire resignation post-suppression)
- **High-voltage systems** (electrical shock risks)
- **Explosion potential** in poorly ventilated or enclosed areas

C. Fire Department Operational Concerns

To address these risks, NCFD must consider:

- Specialized EV fire training and PPE
- Specialize equipment
- Emergency coordination with utilities (for power shut-off)
- Real-time charger data access
- Water source availability and adequate pressure (e.g., Sweetwater Authority)

D. Cost Recovery Definition for Emergency Response

As part of the operational and safety planning related to the deployment of Skycharger infrastructure, the fire department will implement a **cost recovery component** to ensure fiscal responsibility during emergency incidents.

Cost recovery shall be defined as the **full reimbursement of expenses incurred by the fire department in the course of an emergency response** involving Skycharger systems or installations. This includes, but is not limited to:

- **Personnel Costs:** Full hourly rates (including overtime where applicable) for all responding personnel, calculated from the time of dispatch to the conclusion of the incident.
- **Equipment Usage:** Costs associated with the deployment and utilization of fire apparatus, specialized tools, and vehicles, based on standardized usage rates.
- **Damaged or Lost Equipment:** The repair or replacement value of any department equipment that is damaged, rendered inoperable, or lost as a direct result of the incident.

This cost recovery framework ensures that the department remains equipped and funded to maintain operational readiness without placing undue financial burden on the municipality or local taxpayers.

VI. Fire Protection Infrastructure Requirements

A. Access & Water Supply

- Ensure **hydrant placement, quantity, and fire flow** meet NFPA and CFC standards

- Design **fire apparatus access roads** per CFC Section 503:
    - Minimum road widths
    - Vertical Clearance
    - Turning radii
    - Load-bearing surfaces
    - Etc.

B. Fire Protection Systems

- **Early warning detection** (smoke/heat), especially in enclosed structures
- **Fire alarm systems** tied to building occupancy and risk
- **Fire sprinkler systems** per NFPA 13, particularly in multi-level parking
- Clear **emergency shut-off signage** and system accessibility

---

VII. Code Compliance & Permitting

Skycharger commits to full compliance with:

- **California Fire Code (CFC)**
- **California Building Code (CBC)**
- **National Electrical Code (NEC)**, esp. Article 625
- **NFPA standards** including 70, 88A, 70E, and 13/14

Permits are obtained through the City of National City's Building and Fire Departments. Engagement with both departments includes:

- Submission of site, electrical, and fire protection plans
- Emergency response integration strategies
- Clear access for utilities and first responders

VIII. Preparedness and Recommendations for NCFD

To enhance safety and readiness:

1. Require full compliance with NEC, NFPA, CBC, and CFC codes.
2. Perform fire flow and hydrant assessments prior to construction.
3. Design fire access roads to meet CFC Section 503.
4. Special equipment needed/required to respond and safely address/tackle the emergency.
5. Evaluate and install:
    - Early warning detection
    - Fire alarms based on occupancy

    - Sprinkler systems for enclosed/multi-level sites
6. Engage in **pre-incident planning** and **joint site inspections**.
7. Conduct **training drills** for battery fire scenarios.
8. Conduct annual drills with NCFD and advise of any changes to the industry/site.
9. Ensure emergency shut-offs, placards, and safety systems are clearly marked and easily accessible.

This comprehensive approach not only supports Skycharger's continued growth but also ensures the safety and preparedness of the National City Fire Department as EV infrastructure.

City of National City
Fire Department
Phone (619) 336-4550

General Contractor Requirements

Date: January 6, 2025

Project: General Requirements All Projects

Comments: R. Hernandez Division Chief/Fire Marshal

The list provided is in no part an entire list of requirements, but a list of the more common questions and requirements found. Project shall strictly follow current codes and ordinances specific to design, application, installation, and testing, of the product to meet minimum requirements of the adopted code. Please reach out to our fire administration staff for additional handouts available, or you can navigate to our city web site for additional information at nationalcityca.gov.

Final approval is contingent upon field inspection and compliance with applicable codes and ordinances. A 48-hour notice is required for all inspections.

CODES

Plans are to be designed, fabricated and installed to code.

Project to be in compliance with the current editions of the National Fire Protection Association (NFPA), California Fire Code (CFC), Title 19, Health and Safety Code, and City of National City Municipal Codes.

Contractor's license is required. Fire Protection Systems require a C-16 License. Fire Alarm Systems require a C-10 license. Stamps shall be visible on all sets of plans.

Where there is conflict between a general requirement and a specific requirement, the specific requirement shall be applicable. Where, in a specific case, different sections of the code specify different materials, methods of construction, or other requirements, the most restrictive shall govern.

The fire code official is hereby authorized to enforce the provisions of this code and shall have the authority to render interpretations of this code, and to adopt policies, procedures, rules and regulations in order to clarify the application of its provisions. Such interpretations, policies, procedures, rules, and regulations shall be in compliance with the intent and purpose of the code and shall not have the effect of waiving requirements specifically provided for the code.

DESIGN PLANS/PLAN SUBMITTAL

All contractors shall possess a National City Business License prior to Fire Department plan submittal. A copy of the New Business License will be required at time of submittal.

Plans will not be reviewed until fees have been paid. The city accepts the following forms of payment:

1. Credit Card - Note: *American Express not accepted*
2. Check – payable to the "City of National City"
3. Cash

Fire Sprinkler, Fire Alarm, Fire Protection Systems, and Fire Underground plans are to be directly submitted to the National City Fire Department under separate permit for review and permitting. Design plans shall be a minimum dimension of 36" x 24". Fees along with 3 sets of plans including all "Cut Sheets and Calculations" shall be included upon submission. Plan review shall be a 30-day plan review process or 21-working days. No over the counter plan reviews accomplished/no exceptions. NO ELECTRONIC PLAN SUBMITTALS ACCEPTED AT THIS TIME.

Note: All design plans will be reviewed utilizing the current adopted California Fire Code at time of fire department plan submittal. Building Department or differed submittals shall not affect or influence this fire department requirement.

It shall be unlawful to occupy any portion of the building or structure until the required fire detection, alarm, and suppression system have been tested and approved.

A signature, either wet or electronic, is required on all design plan seals.

Upon submittal for an underground permit, the following shall be included:

- Data sheets for Back-Flows
- Data sheets for Private and Commercial Hydrants
- Data sheets for Post Indicator Valves

Information on required fire hydrants back-flow devices can be acquired from Sweetwater Authority. All pipes and their appliances, shall meet industry/code standards for underground use.

ABSOLUTELY NO WORK SHALL BE ACCOMPLISHED WITHOUT APPROVED STAMPED PLANS AT THE CONSTRUCTION SITE. ***PENALTY FEES*** WILL BE CHARGED

AND POTENTIAL ***"STOP WORK RED TAG"*** WILL BE ISSUED DUE TO WORK WITHOUT APPROVED PLANS; **NO EXCEPTIONS.**

Should any plan corrections be required, the contractor must correct the plan and re-submit to the Fire Department for approval. NO WORK ALLOWED PRIOR TO APPROVAL.

Once plans are approved, contact will be made with the contractor. Contractor will be required to retrieve the approved plan from the National City Fire Department. The contractor will be required to sign for the permit and pick up the approved plans. Contractor will be given a copy of "Contractor Requirements" upon plan submission. The contractor will be asked to sign for these requirements. Work shall not be done prior to plan approval.

As-built drawings due to field changes, shall be submitted to the National City Fire Department and approved prior to final.

As-built drawing submittals shall include a copy of the original plan upon submittal to the National City Fire Department.

A cloud shall be used to indicate all corrections found on design plans submitted to this jurisdiction. Only authorized agents shall be allowed to make corrections. All clouds shall be initialed by authorized agent (*as-built or over the counter).*

A design plan created in digital format, shall be submitted to the National City Fire Department by the designer, and shall identify the following required devices and their locations in and around the structure. Submittal is a requirement prior to final:

1. Fire Control Room
2. Alarm Annunciator
3. Fire Alarm Control Panel
4. Pull Stations
5. Duct Detectors
6. Air Handlers/Duct Detectors
7. Electrical/Mechanical Rooms
8. Pump Room
9. Emergency Radio Responder Room
10. Photovoltaic Room
11. Private Fire Hydrants
12. Control Valves
13. Standpipes
14. Fire Department Connections
15. Riser Rooms
16. Gas Meters
17. Stairwells
18. Roof Access

DEFERRED SUBMITTAL

Not all design plans may be approved as a deferred submittal. Please refer to the document provided by the National City Fire Department described as "Fire Protection Submittals and Building Permit Issuance".

PHASED APPROVAL

Projects requesting a phased approach allowing for release and possible occupancy of separate structures located on the same parcel (Building Department Certificate of Occupancy), will require individual permits, plan submittal, and payment.

PERMIT EXPIRATION

Permits – Permits are valid for a period of 12 months. You must obtain a passing inspection on or prior to the 12 months from obtaining the building permit. Once you obtain a passing inspection, you are required to obtain another passing inspection on or before the next 6 months. This process will continue thereafter up to a maximum of 3 years when the permit will expire. Please refer to Title 15, section 15.08.040 "Permits", of the National City Municipal Code for more specific detailed information.

An application for permit for any proposed work or operation shall be deemed to have been abandoned 365-days after the date of filing, unless such application has been diligently prosecuted or a permit shall have been issued; except that the fire code official is authorized to grant one or more extensions of time for additional periods not exceeding 90-days each. The extension shall be requested in writing and justifiable with cause demonstrated.

INSPECTION OF WORK

All inspections completed by the authority having jurisdiction (AHJ), shall be accomplished by National City Fire Department personnel. **No pictures or videos will be accepted.**

The General Contractor shall be the "Point of Contact" for all construction projects. Calls from any other subcontractor will not be forwarded to National City Fire Department personnel. Sub-contractors will be directed to contact the general contractor for all coordination of inspections, questions, or requests of any kind.

It shall be the responsibility of the site superintendent and his or her designee, to coordinate respective inspections from both the National City Fire Department and Building Department. The National City Fire Department provides a signature on all final job cards second to last behind the Building Department's final inspection and signature.

It shall be the duty of the permit applicant to cause the work to remain accessible and exposed for inspection purposes. Where any installation subject to inspection prior to use is covered or concealed without having first being inspected, the fire code official shall have the authority to require that such work be exposed for inspection. Neither the fire code official nor the jurisdiction

shall be liable for expenses entailed in the removal or replacement of any materials required to allow inspection – *NO EXCEPTIONS.* No pictures or videos will be accepted by this AHJ.

EXAMPLE: ***Closure of drywall ceilings prior to fire inspection, may require that the entire ceiling or sections of the ceiling be removed in order to conduct a code required inspection, further requiring additional inspections from both the National City Fire Department and Building Department respectfully.***

Where any work or installation does not pass an initial test or inspection, the necessary corrections shall be made so as to achieve compliance with the California Fire Code. The work or installation shall then be resubmitted to the fire code official for inspection and testing.

Any inspection requiring more than two (2) inspections for the same item or items will require a "Special Inspection Permit". Fee and permit shall be paid directly to the National City Fire Department Administration Office before additional inspections can be scheduled.

A request for an inspection shall be made 48 hours in advance – NO EXCEPTIONS. Inspection requests shall be made once work is completed utilizing approved and stamped plans. Contractor shall be required to have the approved plans on site per code.

A 30 minute wait time shall apply to all projects. Inspectors shall wait for repairs or the arrival of contractors no longer than 30 minutes from time of arrival for requested inspection. Please call to reschedule in advance, to avoid extra charges.

DURING CONSTRUCTION

During construction, the contractor shall strictly follow Chapter 33 of the CFC edition "Fire Safety during Construction and Demolition of a Building."

Approved vehicle access for firefighting shall be provided to all construction and demolition sites. Vehicle access shall be provided to within 100 feet of temporary or permanent fire department connections. Vehicle access shall be provided by either temporary or permanent roads, capable of supporting vehicle loads under all weather conditions. Vehicle access shall be maintained until permanent fire apparatus access roads are available. An approved water supply for fire protection, either temporary or permanent, shall be made available as soon as combustible material arrives on the site. Temporary plywood sign/s shall be posted throughout construction site so as to indicate:

- ✓Fire access
- ✓Utility shutoffs
- ✓Fire protection devices

Fire rated wood used in construction, shall have stamps clearly visible upon inspection.

Abatement of weeds and other fire hazards shall not be allowed to accumulate at the job site and shall be removed immediately. If it is determined by the fire chief or his/her designee that a

public nuisance, as herein defined, exists on any lot or premises, or upon any sidewalk, parking area or street adjacent to such lot or premises, an abatement notice may be issued to the responsible person to abate the public nuisance in accordance with Section 1.36.030 of The **National City Municipal Code (NCMC)**. Upon issuance of the abatement notice, the procedures for abatement of public nuisances and recovery of costs therefor set forth in Chapter 1.36 of this code shall be followed.

The owner, occupant, or agent of any lot or premises within the city who permits or allows the existence of a public nuisance as defined in this chapter, upon any lot or premises owned, occupied, or controlled by said person, or who violates any of the provisions of this chapter, is guilty of a misdemeanor and upon conviction thereof is punishable as prescribed by Section 1.20.010.

EMERGENCY ROADWAY

Fire access roads in excess of 150 feet to furthest end of the property from a public street, shall be provided with width and turnaround provisions. The National City Fire Department has adopted appendix "D" of the California Fire Code.

The required width of emergency fire apparatus access roads shall not be obstructed in any manner, including parking of vehicles. All access roads shall be no less than 20 feet wide, no less than 14 feet high, and shall have an all weathered road with the ability to support 75,000 pounds or greater. Where a fire hydrant is located on a fire apparatus road, the minimum road width shall be 26 feet. All turns available for fire access and travel, shall maintain a minimum of a 28 foot radius.

Approved signs or other approved notices or markings (*Red Curb*) that include NO PARKING – FIRE LANE shall be provided for fire apparatus access roads to identify such roads or prohibit the obstruction thereof. The means by which fire lanes are designed shall be maintained in a clean and legible condition at all times and be replaced or repaired when necessary to provide adequate visibility. **All projects shall be evaluated for this necessary application.**

Grade of fire apparatus road shall be within the limits established (15% Grade) by the fire code official based on the National City Fire Department's apparatus. The fire code official shall have the authority to require or permit modifications to the required access widths where they are inadequate for fire rescue operations or where necessary to meet the public safety objectives of the jurisdiction.

The fire code official is authorized to require more than one fire apparatus access road based on the potential for impairment of a single road by vehicle congestion, condition of terrain, climatic conditions, or other factors that could limit access. (CFC 2022 Edition - Section 503.1.2)

Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the property or area to be served, measured in a straight line between access.

FIRE TRUCK/AERIAL ACCESS

Aerial fire apparatus roads shall have a minimum unobstructed width of 26 feet, exclusive of shoulders, in the immediate vicinity of the building or portion thereof. One or more of the required access routes meeting this condition shall be located not less than 15 feet and not greater than 30 feet from the building, and shall be positioned parallel to one entire side of the building. The side of the building on which the aerial fire apparatus access road is positioned shall be approved by the fire code official.

Buildings or portions of buildings or facilities exceeding 30 feet in height measured vertically from the centerline of the street adjacent to the project above the lowest level of fire department vehicle access shall be provided with approved fire apparatus access roads capable of accommodating fire department aerial apparatus. ***Overhead utility and power lines shall not be located within the aerial fire apparatus access roadway.***

Overhead utility and power lines shall not be located over the aerial fire apparatus access road or between the aerial fire apparatus road and the building. Other obstructions shall be permitted to be placed with approval of the fire code official.

Where the vertical distance between the grade plane and the highest roof surface exceeds 30 feet, approved aerial fire apparatus roads shall be provided. For the purposes of this section, the highest roof surface shall be determined by measurement to the roof eave of a pitched roof, the intersection of the roof to the exterior wall, or the top of parapet walls, whichever is greater.

Fire apparatus access roads shall not be obstructed in any manner, including the parking of vehicles. The minimum widths and clearance established in Section 503.2.1 shall be maintained at all times.

Approved fire apparatus access roads shall be provided for every facility, building or portion of a building hereafter construction or moved into or within the jurisdiction. The fire apparatus access road shall extend to within 150 feet of *all* portions of the facility and all portions of the exterior walls of the first story of the building *as measured by an approved route around the exterior of the building or facility*

SECURITY ACCESS AND EGRESS DEVICES

Security devices or systems that emit any medium that could obscure a *means of egress* in any building, structure, or premise shall be prohibited.

A Knox Box may be required for your project. All Knox Boxes shall be installed at a height of 5 feet 6 inches to center. Knox Boxes shall be installed at the front of the property. Construction master keys shall be placed in all Knox Boxes during construction. Final keys shall be placed in the box prior to delivery of fire final sign-off. Please contact the National City Fire Department for required Knox Box application.

An exit loop shall be required for all exiting using automatic gates

Entrance/exit gates shall be equipped with a fire Knox Key Switch in conjunction with a strobe for emergency access. Switch and strobe shall be placed at the front of the property. Please contact the National City Fire Department for exact field location and the possible need for a National City Police Department emergency key switch.

FIRE FLOW LETTER

A "Fire Flow" letter shall be required for all buildings in this jurisdiction. The procedure for determining fire-flow requirements for buildings or portions of buildings hereafter constructed shall be in accordance with this chapter (Appendix B Table B105.1) (2 – *MINIMUM REQUIRED FIRE-FLOW AND FLOW DURATION FOR BUILDINGS).*

The fire code official is authorized to increase the fire-flow requirements where conditions indicate an unusual susceptibility to group fires or conflagrations. An increase shall be not more than twice that is required for the building under construction.

A flow letter is provided free of charge and shall take a *minimum of (2) weeks to complete.*

BACK-FLOW DEVICE/SWEETWATER AUTHORITY

The potable water supply to automatic sprinkler and standpipe systems shall be protected against backflow as required by the Health and Safety Code Section 13114.7 and Sweetwater Authority. Back-flows and control devices shall be installed at the front of property (PL) to allow for clear immediate visibility and direct access for fire personnel.

The National City Fire Department requires all back-flow/control devices to be equipped with tamper monitoring units. All devices shall be monitored by an approved fire alarm system monitored by a central station.

AUTOMATIC FIRE SPRINKLER SYSTEMS

An automatic sprinkler system shall be installed throughout buildings with the floor level having an occupant load of more than 30 or more that is located 55 feet or more above the lowest level of fire department vehicle access.

Additional required fire suppression systems shall follow table 903.2.11.6 of the California Fire Code.

Automatic sprinklers shall be installed with due regard to obstructions that will delay activation or obstruct the water distribution pattern. Automatic sprinklers shall be installed in or under covered kiosks, displays, booths, concession stands, or equipment that exceeds 4 feet in width.

Not less than a 3 foot clearance shall be maintained between automatic sprinklers and the top of piles of combustible fibers.

Sprinkler piping shall not be painted.

Sprinkler piping shall be covered with Building Department approved drywall unless specified.

Where modification is made to an existing system affecting more than 20 sprinklers, the new portion shall be isolated and tested at not less than 200 psi (14 bar) for 2 hours.

Supervision (Fire Alarm) of sprinkler piping and fire detection devices shall be automatically supervised where more than 20 sprinklers are on the system.

A passive purge sprinkler system is not allowed in this jurisdiction, due to a jurisdictional water authority required and externally installed (outdoors) back-flow device (*Sweetwater Authority Requirement).*

A single combination water supply shall be allowed provided that the domestic demand is added to the sprinkler demand as required by NFPA 13R.

The use of CPVC piping as defined in NFPA 13, shall be evaluated by the fire code official for its intended use. Its use and application shall strictly follow current codes and ordinances specific to design, application, installation, and testing of the product to meet minimum requirements of the adopted code.

Weld Certificate - Contractors or fabricators shall maintain certified records, which shall be available to the authority having jurisdiction, of the procedures used and the welders or welding machine operators employed by them, along with their welding identification. Records shall show the date and the results of procedure and performance qualifications.

Qualification of the welding procedure to be used and the performance of all welders and welding operators shall be required and shall meet or exceed the requirements of AWS B2.1/B2.1M, *Specification for Welding Procedure and Performance Qualification*; ASME *Boiler and Pressure Vessel Code*, Section IX, "Welding, Brazing, and Fusing Qualifications"; or other applicable qualification standard as required by the authority having jurisdiction, except as permitted by 7.5.2.5.3 of NFPA 13 Chapter 7 section 7.5.2

Fire sprinkler notification bell shall be installed at the front of the property. Contact the fire code official for field placement prior to installation. Flexible arm-over drops are not permitted in this jurisdiction.

FIRE DEPARTMENT CONNECTIONS (FDC) & STANDPIPES

Required FDC and Standpipe signs shall also indicate the pressure required at the inlets to deliver the system demand. An FDC shall be located not less than 18 inches and not more than 4 feet above the level of the adjacent grade or access level. This AHJ requires all FDC connections to be installed at 3 feet.

Where a fire department connection and standpipe connection services multiple buildings,

structures, or locations, a sign shall be provided indicating the buildings, structures, or locations served. FDC shall be within 100' of a water source (fire hydrant).

FIRE DEPARTMENT CONNECTION (FDC) KNOX SWIVEL-GUARD CAP

Knox swivel guard/extra protection cap shall be used and in place prior to final. Application may be acquired by navigating to the official "Knox Box Website."

STANDPIPES

Every building 4 stories or more shall be provided with not less than one standpipe for use during construction. Such standpipes shall be installed when the progress of construction is not more than 35 feet in height above the lowest level of fire department access. Such standpipes shall be provided with fire department hose connections at accessible locations adjacent to such usable stairs and the standpipe outlets shall be located adjacent to such usable stairs. Such standpipe systems shall be extended as construction progresses to within one floor of the highest point of construction having secured decking or flooring. On each floor there shall be provided a 2 ½ -inch valve outlet for fire department use. Standpipe signs shall also indicate the pressure required at the inlets to deliver the system demand.

PUMP ROOMS

Where provided, fire pump rooms and automatic sprinkler system riser rooms shall be designed with adequate space for all equipment necessary for the installation, as defined by the manufacturer with sufficient working space around the stationary equipment. Clearance around equipment to elements of the permanent construction, including other installed equipment and appliances, shall be sufficient to allow inspection service, repair, or replacement without removing such elements of permanent construction or disabling the function of a required fire –resistance-rated assembly. Fire pump and automatic sprinkler system riser rooms shall be provided with doors and unobstructed passageways large enough to allow removal of the largest piece of equipment.

FIRE ALARM

Fire Command Center – Where required by this code, a fire command center shall be constructed and shall comply with Sections 508.1.1 through 508.1.7 of the California Fire Code

Individual fire alarm monitoring shall be considered for individual commercial spaces that are considered mixed use:

a. Fire Alarm Control Panel (FACP) shall be able to accommodate individual alarm monitoring for commercial spaces if preferred
b. Individual fire alarm control panels may be required for future tenants
c. Individual tenant sprinkler flow switch assemblies will be required to monitor water flow sprinkler activation
d. Exterior horn/strobes will be required for all commercial spaces
e. The above requirements may be accomplished during the following periods:
f. Initial Construction/Plan submittal

g. Future Tenant Improvement

Fire alarm wire shall not be painted.

REINSTALLATION OF USED DEVICES

Materials equipment and devices shall not be used or reinstalled unless such elements have been reconditioned, tested, and placed in good and proper working condition and approved by the National City Fire Department.

FIRE HYDRANTS

Fire hydrants to be located throughout the project shall not have a separation distance greater than 300 feet. Fire hydrants to be located within 300 feet of all the locations that are roadway accessible. (Measurement starts from nearest existing fire hydrant to project).

The following items pertain to fire hydrants:

a. Size and location, including size and number of outlets and whether outlets are to be equipped with independent gate valves.
b. Fire hydrant to be of three outlet design.

Provide calculation confirming flow availability to meet fire flow demands and supply large diameter hose (4 inch).

Fire hydrants to be marked by use of blue reflective marker in the roadway. Permit expires on the last date of hydrant usage shown above.

If the project is not yet completed, renewal shall be made 1 week prior to the end date of hydrant usage, and no charge will be made. A charge will apply again if the permit was renewed after the last date of hydrant usage.

VEHICLE IMPACT PROTECTION

Vehicle impact protection required by this code shall be provided by posts that comply with this section 3.12.2 or by other approved physical barriers that comply with is section 312.3. Placement of required devise shall be set no less than 3 feet from protected object. Please consult with fire inspector for assistance on this AHJ requirement.

TRACE WIRE

Tracer wire shall be required for all underground piping.

EXITS AND EXITING

Exit Signs shall be illuminated with green lettering per National City Ordinance.

Travel distance within the exit access portion of the means of egress system shall be in accordance with Section 1017 of the California Fire Code "Exit Access Travel Distance."

Where exit signs are required by Chapter 10 of the California Fire Code, additional approved low-level exit signs that are internally or externally illuminated photo luminescent or self-luminous, shall be provided in all interior corridors of group A, E, I, and in all areas serving guest rooms of hotels in Group R, Division 1 occupancies:

Exceptions:

- *Group A occupancies that are protected throughout by an approved supervised fire sprinkler system.*
- *Group E occupancies where direct exits have been provided from each classroom.*
- *Group I and R-2.1 occupancies which are provided with smoke barriers constructed in accordance with Section 407.5 of the California Building Code.*
- *Group I-3 occupancies.*

The means of egress for buildings or portions thereof shall be maintained in accordance with Chapter 1031 of the California Fire Code. At no time shall these exits ever be blocked or obstructed.

MISCELLANEOUS STORAGE

Storage in the open shall not exceed 20 feet in height of miscellaneous combustible material.

Outside storage of combustible materials shall not be located within (10 feet of a lot line).

DAYCARE FIRE ALARM SYSTEM

An automatic fire alarm system shall be provided in all buildings used as or containing Group E daycare.

Exception:
Automatic detection devices are not required where an automatic sprinkler system is installed in accordance with Section 903.1.1 and the occupant notification appliances will activate on sprinkler water flow and manual activation is provided from a normally occupied location.

KIOSKS

Kiosks and similar structures shall be required to follow Chapter 4 (402.6.2) of the California Building Code. Automatic sprinklers shall be installed in or under covered kiosks, displays, booths, concession stands, or equipment that exceeds 4 feet in width. Automatic sprinklers shall be installed with due regard to obstructions that will delay activation or obstruct the water pattern.

COMMODITIES/OPERATIONAL REPORT

The fire code official is authorized to issue operational permits for the operations set forth in Sections 105.6.1 through 105.6.48 of the California Fire Code.

Hazardous Materials – An operational permit (Commodities Report) is required to store, transport on site, dispense, use, or handle hazardous materials in excess of the amounts listed in table 105.6.21 and 105.6.22 and 105.6.23 of the CFC 2022 edition.

A required floor plan shall be constructed and posted, which shall clearly describe the approved area where commodities will be stored. Speak to the fire inspector for specific directions and assistance

EMERGENCY STANDBY POWER SYSTEMS

Emergency and standby power systems (Section 604 CFC) required by this code or the *California Building Code* shall be installed in accordance with this code, NFPA 110 and NFPA 111. Existing installation shall be maintained in accordance with the original approval.

In the event of power supply failure, an emergency electrical system shall automatically illuminate all of the following areas:

1. Electrical equipment rooms
2. Fire command centers
3. Fire pump rooms
4. Generator rooms
5. Public restrooms with an area greater than 300 square feet

Note: Please reach out to your inspector for assistance

PHOTOVOLTAIC SOLAR SYSTEMS

Solar photovoltaic power systems shall be installed in accordance with the California Fire Code, California Building Code, California Electrical Code, and the California Residential Code.

BUILDING CODE

Where the roof has a slope less than four units vertical and 12 units horizontal, a hose connection shall be located to serve the roof at the highest landing of a stairway with stair access to the roof provided in accordance with the current code.

New buildings four or more stories above grade plane, except those with roof slope greater than four units vertical and 12 units horizontal, shall be provided with stairway to the roof. Stairway access to the roof shall be in accordance with section of the California Fire Code. Such stairways shall be marked at street and floor levels with a sign indicating that the stairway continues to the roof. Where roofs are used for roof gardens or for other purposes, stairways shall be provided as required for such occupancy classification. Guards shall be provided along stairways and landings where required by Section 1015 and shall be constructed in accordance with Section 1015. Where the roof hatch opening providing the required access is located within 10 feet of the roof edge,

such roof access or roof edge shall be protected by guards installed in accordance with Section 1015. Guards shall be adequate in strength and attachment in accordance with Section 1607.9 of the California Building Code.

Project shall assure design and compliance criteria to meet Table 508.4 (page 193 of Part 2, Volume 1) of the 2022 California Building Code, if applicable.
All buildings or structures with one or more passenger service elevators shall be provided with no less than one medical emergency service elevator to all landings meeting the provisions of Section 3002.4a of the 2022 California Building Code. Please see this section of provided exceptions that may exempt this requirement.

It shall be unlawful for a person, firm, or corporation to erect, construct, alter, repair, remove, demolish, or utilize a building, occupancy, premises, or system regulated by the California Building and Fire Codes, or cause same to be done, in conflict with or in violation of any of the provisions of these codes.

Requirements that are essential for public safety of an existing or proposed activity, building, or structure, or for the safety of the occupants thereof, that are not specifically provided for by this code, shall be determined by the code official.

TRAFFIC CALMING DEVICES

Traffic calming devices shall be prohibited unless approved by the fire code official.

LIFE SAFETY SYSTEMS OUT OF SERVICE

It shall be unlawful to occupy any portion of a building or structure until the required fire detection, alarm, and suppression systems have been tested and are entirely in compliance with the minimum requirements of the code.

Where a required fire protection system is out of service, the fire code official shall be notified immediately and where required by the fire code official, the building shall be either evacuated or a jurisdiction approved and trained fire watch shall be provided for all occupants left unprotected by the shutdown until the fire protection system has been returned to service.

FIRE WATCH

Where utilized, fire watches shall be provided with not less than one approved means for notification of the fire department and their only duty shall be to perform constant patrols of the protected premises and keep watch for fires. **All fire watch companies shall be approved by this AHJ prior to starting work. Please see handout provided by the National City Fire Department.**

SUPPRESSION SYSTEMS

The National City Fire Department does not allow the installation of Recirculating or Ventless

Exhaust Style Hood Systems.

BUILDING ADDRESS

Street address shall be visible from the street and in contrasting color to the building. Please contact the National City Building Department for size of numbers and field requirements for placement.

WAY FINDING

Directory Map (Way Finding). A lighted directory map, meeting current fire department standards, shall be installed at driveway entrance/s, or multiple access points as directed by the fire code official. Directory map shall be installed in all projects with more than (14) units. Please reach out to your inspector for assistance and final approval.

EMERGENCY RADIO RESPONDER COVERAGE

New buildings shall have an approved radio coverage for emergency responders within the building based on the existing coverage levels of the public safety communication systems utilized by the jurisdiction, measured at the exterior of the building. This section shall not require improvement of the existing public safety communication systems section 105 and 510 of the 2022 California Fire Code - CFC.

DECORATIVE MATERIALS & ARTIFICIAL DECORATIVE VEGETATION

Artificial decorative vegetation shall comply with sections (807.1 - 807.4.2) of the California Fire Code.

MARINE FUELING

An inspection shall be required prior to fueling of the vessel. A one-week notice shall be required for all fueling operations. Fueling shall be done **Monday – Thursday only**. Permit is good for 6 months as noted.

TENTS & CANOPIES

Clear Fire Department access must be maintained at all times. Vehicles may not be parked within 20 feet of the canopy/tent, and may not be parked under an awning. Four (4) exits are required at all times. Exits may not be blocked at any time.

Fire extinguishers are required (2A10BC), with an occupancy load provided by the building department and enforced by the fire department**.** "No Smoking" signs to be posted. Temporary membrane structures, tents, and canopies shall be used for a period of not more than 180 days within a 12-month period on a single premises. Exits may not be blocked at any time. 2A10BC fire extinguishers are required throughout, every 75'. Fire extinguishers must have the current

SFM tag attached. Fire hydrants/sprinkler systems/standpipes may not be blocked, and emergency access maintained at all times. An inspection by the fire department is required prior to operation. Food booths to have (1) 40: BC or K extinguisher. All TUP stipulations to be followed at all times.

FIREWORKS DISPLAY

Pyrotechnic special effects display by a Licensed Pyrotechnic Operator in accordance with Title 19 CCR, CFC and Health and Safety code section 12505 Verification of Pyrotechnic Operator certification must be received by the National City Fire Department prior to display. A 250 foot minimum separation from spectator viewing area, vehicles, and buildings must be maintained at all times.

Transportation of fireworks/explosives to be in accordance with California Vehicle Codes. The City requires a minimum insurance of 42 Million per occurrence, $4 Million aggregate. A Fire safety inspection of the site is required, along with inspection of the storage and handling of the pyrotechnics, prior to display.

ABOVE AND BELOW GROUND TANK REMOVAL

All products to be removed from the tanks and all connecting lines.

Tanks to be freed from flammable vapors with dry ice at 15 pounds per 1,000 gallon tank capacity for 30 minutes or until flammable vapors are no longer in an explosive range as detected by a calibrated gas meter. Tanks to be triple washed.

Owner/Builder to prevent discharge from property by using fiber rolls, gravel bags, silt fencing, or another approved Best Management Practice (BMP) prior to disturbing soil. For more information, contact the Storm Water Compliance Inspector at (619-336-4583).

Tanks shall be disposed of in accordance with federal, state, and local regulations. **FINAL INSPECTION BY NATIONAL CITY FIRE DEPARTMENT PERSONNEL IS REQUIRED. Call (619) 336-4550 for an inspection appointment.** A two-day notice shall be required before the inspection date. **Permit expires one (1) year after the date of filing.**

TECHNICAL SERVICES/AFTER HOUR-TECHNICAL INSPECTION

An additional hour after the two-hour minimum is billed at $211.00 per hour. Technical Services/After Hour-Technical Inspection fee (after hour inspection is any time after 6:00 p.m. Monday-Thursday, closed Friday, Saturday, Sunday, or holiday inspection.) An inspection shall be required by the National City Fire Department personnel. Call (619-336-4550) for inspection.

SIGN PACKAGE REQUIREMENT

Please see sign package for requirements on FDC's, OS&Y's, Gas Meters, etc.

Note: Additional comments may be required based on additional information provided due to the above comments. Final approval contingent upon final field inspection and compliance with <u>all</u> applicable codes and ordinances.

Revision: January 6, 2025 R.H

City of National City
Fire Department

Phone (619) 336-4550

NFPA 24: Standard for the Installation of Private Fire Service Mains and Their Appurtenances

Date: January 15, 2025

Project: All Projects

Reviews: R. Hernandez/Fire Marshal

APPROVAL CONTINGENT UPON FINAL FIELD INSPECTION AND COMPLIANCE WITH ALL APPLICABLE CODES AND ORDINANCES. THE INFORMATION PROVIDED IS MEANT AS A GUIDELINE AND DOESN'T TAKE THE PLACE OF A THOROUGH UNDERSTNADING AND APPLICATION OF THIS CODE IN ITS ENTIRETY

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Installation Work

Installation work shall be performed by fully experienced and responsible persons. The authority having jurisdiction shall always be consulted before the installation or remodeling of private fire service mains. The potable water supply to automatic sprinkler and standpipe systems shall be protected against backflow as required by the Health and Safety Code Section 13114.7 and Sweetwater Authority. Back-flows and control devices shall be installed at front of property (PL) to allow for clear immediate visibility and direct access for fire personnel. **The National City Fire Department requires all backflow/control devices to be equipped with tamper monitoring units. All devices shall be monitored by an approved fire alarm system monitored by a central stat**

City Engineering Department

Fire main underground design which may be required on engineering documents, does not take the place for required underground submittal required by the National City Fire Department

Connection to Waterworks Systems

A connection to a reliable waterworks system shall be an acceptable water supply source. Please contact the water authority for this jurisdiction (*Sweetwater Authority).* The volume and pressure of a public water supply shall be determined from water flow test data or other approved method

Installation Requirements

Piping, valves, hydrants, gaskets, and fittings shall be inspected for damage when received and shall be inspected prior to installation. The tightness of bolted joints shall be verified by the bolt torque or by the method described in the listing information or manufacturer's installation instructions

Pipe, valves, hydrants, and fittings shall be clean and free from internal debris. When work is stopped, the open ends of piping, valves, hydrants, and fittings shall be plugged or covered to prevent foreign materials from entering. All piping, fittings, valves, and hydrants shall be examined for cracks or other defects while suspended above the trench and lowered into the trench using appropriate equipment. Plain ends shall be inspected for signs of damage prior to installation. Piping, fittings, valves, hydrants, and appurtenances shall not be dropped, dumped or rolled or skidded against other materials. Pipe shall be buried a minimum of three feet

Pipes shall be supported in the trench throughout their full length and shall not be supported by the bell ends only or by blocks. If the ground is soft, other means shall be provided to support the pipe. Valves and fittings used with nonmetallic pipe shall be supported and restrained in accordance with the manufacturer's installation instructions. Piping shall be listed for fire protection service and shall comply with the standards of NFPA 24. Steel piping shall not be used for general underground service unless specifically listed for such service. Underground fire services utilities shall be AWWA C-900 Class 200 pipe.

Valves on connections to water supplies, sectional control and isolation valves, and other valves in supply pipes to sprinklers and other fixed water-based fire suppression systems shall be supervised by one of the following methods:

(a) Central station, proprietary, or remote station signaling service

(b) Local signaling service that causes the sounding of an audible signal at a constantly attended location

(c) An approved procedure to ensure that valves are locked in the correct position

d) Fire department connections shall be equipped with listed plugs or caps that are secured and arranged for easy removal by fire departments. Please see the National City Fire Department for direction

(e) The National City Fire Department requires Knox Locking Plugs on all Fire Department Connections. Please contact the National City Fire Department for direction and application

NOTE: The National City Fire Department requires all backflow/control devices to be equipped with tamper monitoring units. All devices shall be monitored by an approved fire alarm system monitored by a central station

NOTE: The National City Fire Department requires ALL control devices to be monitored for tamper, and shall report to a central monitoring company as supervisory

(1) Fire department connections shall be located on the street side of buildings. Fire Department Connections shall be facing the street so as to provide immediate emergency connections

(2) Fire department connections shall be located and arranged so that hose lines can be readily and conveniently attached to the inlets without interference from any nearby objects, including buildings, fences, posts, or other fire department connections. FDC shall be installed at proper code required height

Size of Fire Mains/Private Fire Service Mains

Hydraulic calculations shall show that the main is able to supply the total demand at the appropriate pressure.

Mains Not Supplying Hydrants

For mains that do not supply hydrants, pipe sizes less than 6 in. (150 mm) nominal size shall be permitted to be used subject to the following restrictions:

1. (1)

   The main shall supply only the following types of systems:

   1. (1) (a) Automatic sprinkler systems
   2. (1) (b)Open sprinkler systems
   3. (1) (c) Water spray fixed systems
   4. (1) (d) Foam systems
   5. (1) (e)Standpipe systems

2. (2) Hydraulic calculations shall show that the main is able to supply the total demand at the appropriate pressure
3. (3) Systems that are not hydraulically calculated shall have a main at least as large as the riser.

Backflow Prevention Assemblies

The backflow prevention assembly shall be forward flow tested to ensure proper operation. The minimum flow rate tested in this chapter shall be the system demand, including hose stream demand where applicable. Consultation with local water authority shall be accomplished for direction prior to design and installation (*Sweetwater Authority*). A certification of compliance shall be furnished to the AHJ prior to final

Post Indicator Valves

Where post indicator valves are used, they shall be set so that the top of each post is 32 in. to 40 in. (800 mm to 1.0 m) above the final grade. Where post indicator valves are used, they shall be protected against mechanical damage where needed

Identifying and Securing Valves

Identification signs shall be provided at each valve to indicate the valve's function and the part of the system the valve controls. Please see the National City Fire Department for necessary sign requirements listed for the AHJ. All valves shall be secured in the open position using a combination of lock and or chain or both

Private Fire Service Mains Under Buildings

Except as allowed, private fire service mains shall not be allowed to run under buildings

Private fire service mains supplying fire protection systems within the building shall be permitted to extend no more than 10 ft. (3.0 m), as measured from the outside of the building, under the building to the riser location. Pipe joints shall not be located directly under foundation fittings. Piping shall be installed a minimum of 12 in. (300 mm) below the bottom of building foundations or footers. The requirements of this chapter shall not apply when the piping is sleeved with an approved material

Where approved, private fire service mains supplying systems within the building shall be permitted to extend more than 10 ft. (3.0 m) under the building when all the requirements of this chapter are met. Where the piping is installed under the building, all foundations or footers over the private fire service main shall be arched to create a minimum of 24 in (600 mm) clearance. It shall be acceptable to install the piping in covered trenches where the trenches are accessible from within the building

All joints shall be mechanically restrained. A valve shall be installed before the piping enters under the building and within 24 in. (600 mm) of where the piping enters the building. Calculations shall show that the main is able to supply the total demand at the appropriate pressure

Steep Grades

On steep grades, mains shall be additionally restrained to prevent slipping. Pipe shall be restrained at the bottom of a hill and at any turns (lateral or vertical). The restraint specified in 10.7.1.1 shall be to natural rock or to suitable piers built on the downhill side of the bell. Bell ends shall be installed facing uphill. Straight runs on hills shall be restrained as determined by a design professional

Thrust Blocks

Thrust blocks shall be permitted where soil is stable and capable of resisting the anticipated thrust forces. Thrust blocks shall be concrete of a mix not leaner than one-part cement, two and one-half parts sand, and five parts stone. Thrust blocks shall be placed between undisturbed earth and the fitting to be restrained and shall be capable of resisting the calculated thrust forces. Wherever possible, thrust blocks shall be located so that the joints are accessible for repair

Material

Clamps, rods, rod couplings or turnbuckles, bolts, washers, restraint straps, and plug straps shall be of a material that has physical and chemical characteristics that indicate its deterioration under stress can be predicted with reliability

Corrosion Resistance

After installation, rods, nuts, bolts, washers, clamps, and other restraining devices shall be cleaned and thoroughly coated with a bituminous or other acceptable corrosion-retarding material. The requirements of this chapter shall not apply to epoxy-coated fittings, valves, glands, or other accessories. Tracer wire is required

Private fire service mains utilizing one or more of the following connection methods shall not require additional restraint, provided that such joints can pass the hydrostatic test of this chapter without shifting of piping

1. Threaded connections
2. Grooved connections
3. Welded connections
4. Heat-fused connections
5. Chemical or solvent cemented connections

Backfilling

Backfill material shall be tamped in layers or in puddles under and around pipes to prevent settlement or lateral movement and shall contain no ashes, cinders, refuse, organic matter,

or other corrosive materials. Backfill material shall not contain ash, cinders, refuse, organic matter or other corrosive materials. Rocks shall not be used for backfill. Frozen earth shall not be used as backfill material. In trenches cut through rock, tamped backfill shall be used for at least 6 in. (150 mm) under and around the pipe and for at least 2 ft. (600 mm) above the pipe. Where using piping listed for private fire service mains, the manufacturer's installation instructions for backfill shall be followed. Tracer wire and tape are required and shall be in accordance with AWWA

Approval of Underground Piping

The installing contractor shall be responsible for the following:

1. Notifying the AHJ and the owner's representative of the time and date testing is to be performed
2. Performing all required acceptance tests
3. Completing and signing the contractor's material and test certificate(s) shown found in this chapter

Flushing of Piping

Underground piping, from the water supply to the system riser, and lead-in connections to the system riser, including all hydrants, shall be completely flushed before the connection is made to downstream fire protection system piping. The flushing operation shall be continuing until water flow is verified to be clear of debris. Please contact the National City Engineering Department if flushing water into street. Engineering department is required to review and approve prior to test

Hydrostatic Test

All piping and attached appurtenances subjected to system working pressure shall be hydrostatically tested at gauge pressure of 200 psi (13.8 bar) or 50 psi (3.4 bar) in excess of the system working pressure, whichever is greater, and shall maintain that pressure at gauge pressure of ±5 psi (0.34 bar) for 2 hours. A 24-hour hydro shall be required for all pipe that is completely buried. Please contact the National City Fire Department for direction prior to installation. Acceptable test results shall be determined by indication of either a pressure loss less than gauge pressure of 5 psi or by no visual leakage. The test pressure shall be read from one of the following, located at the lowest elevation of the system or the portion of the system being tested:

1. A gauge located at one of the hydrant outlets
2. A gauge located at the lowest point where no hydrants are provided

Joint Backfill

The trench shall be backfilled between joints before testing to prevent movement of pipe. Where required for safety measures presented by the hazards of open trenches, the pipe and

joints shall be permitted to be backfilled, provided the installing contractor takes the responsibility for locating and correcting leakage

Protection of Piping

Aboveground piping for private fire service mains shall not pass through hazardous areas and shall be located so that it is protected from mechanical and fire damage. Aboveground piping shall be permitted to be located in hazardous areas protected by an automatic sprinkler system. Where aboveground water-filled supply pipes, risers, system risers, or feed mains pass through open areas, cold rooms, passageways, or other areas exposed to freezing temperatures, the pipe shall be protected against freezing by the following:

1. Insulating coverings
2. Frost proof casings
3. Other reliable means capable of maintaining a minimum temperature between 40°F and 120°F (4°C and 49°C)

Where corrosive conditions exist or piping is exposed to the weather, corrosion-resistant types of pipe, fittings, and hangers or protective corrosion-resistant coatings shall be used. To minimize or prevent pipe breakage where subject to earthquakes, aboveground pipe shall be protected in accordance with the seismic requirements of NFPA 13. Mains that pass through walls, floors, and ceilings shall be provided with clearances in accordance with NFPA 13

Fire Hydrants

Hydrants shall be listed and approved. The connection from the hydrant to the main shall not be less than 6 in. (150) (nominal). A control valve shall be installed in each hydrant connection. Valves required by this chapter shall be installed within 20 ft. (6.1 m) of the hydrant. Valves shall be clearly identified and kept free of obstructions. Where valves cannot be located in accordance with this chapter, valve locations shall be permitted where approved by the AHJ

The number, size, and arrangement of outlets; the size of the main valve opening; and the size of the barrel shall be suitable for the protection to be provided and shall be approved by the AHJ. Independent gate valves on $2^{1}/_{2}$ in. (65 mm) outlets shall be permitted

Hydrant outlet threads shall have NHS external threads for the size outlet(s) supplied as specified in NFPA 1963. Where local fire department connections do not conform to NFPA 1963, the AHJ shall designate the connection to be used

Number and Location

Hydrants shall be provided and spaced in accordance with the requirements of the AHJ. Public hydrants shall be permitted to be recognized as meeting all or part of the requirements of this chapter. Hydrants shall be located not less than 40 ft. (12 m) from the buildings to be protected. Where hydrants cannot be located in accordance with this

chapter, hydrants located closer than 40 ft. (12 m) from the building or wall hydrants shall be permitted to be used where approved by the AHJ

Installation

Hydrants shall be installed on flat stones, concrete slabs or other approved materials. Small stones or an approved equivalent shall be provided about the drain. Where soil is of such a nature that the hydrants will not drain properly with the arrangement specified in this chapter, or where groundwater stands at levels above that of the drain, the hydrant drain shall be plugged before installation. Hydrants with drain plugs shall be marked to indicate the need for pumping out after usage. The center of a hose outlet shall be not less than 18 in. (450 mm) above final grade. The center of a hose outlet shall not be more than 36 in. (914 mm) above final grade. The center of a hose outlet located in a hose house shall not be less than 12 in. (300 mm) above the floor

Hydrants shall be restrained in accordance with the requirements of this chapter. Hydrants shall be protected if subject to mechanical damage, in accordance with the requirements of this chapter. The means of hydrant protection shall be arranged so that it does not interfere with the connection to, or operation of, hydrants

The following shall not be installed in the service stub between a fire hydrant and private water supply piping:

1. Check valves
2. Detector check valves
3. Backflow prevention valves
4. Other similar appurtenances

Hydrant Operating Test

Each hydrant shall be fully opened and closed under system water pressure. Dry barrel hydrants shall be checked for proper drainage. All control valves shall be fully closed and opened under system water pressure to ensure proper operation. Where fire pumps supply the private fire service main, the operating tests required by this chapter shall be completed with the pumps running

General

A private fire service main and its appurtenances installed in accordance with this standard shall be properly inspected, tested, and maintained in accordance with NFPA 25 to provide at least the same level of performance and protection as designed



WATER SERVICE NEEDED? START PROCESS NOW!

APPLICATION GUIDE FOR CONCURRENT REVIEW WITH LAND USE AGENCY

Sweetwater Authority provides safe, reliable water to residents and businesses in National City, Bonita and western Chula Vista.

1 GENERAL INFORMATION

Application for a new, upgrade, or modification to an existing water service from Sweetwater Authority (Authority) is required when:

- Requesting the installation of a new water meter and service lateral
- Adding square footage to a home, business, or other building
- Constructing single family dwellings, multi-unit apartments, or structures that require water or fire protection
- Requesting abandonment, modification or relocation of an existing water meter
- Adding an Accessory Dwelling Unit (ADU) or additional residential units
- Change to water use type (e.g. irrigation, domestic, fire protection)
- Change to business type (for commercial accounts, e.g. furniture outlet to fast food, etc.)
- Only the property owner or authorized agent of the owner (Applicant) can request/apply for the installation, abandonment, modification or relocation of a water service or Authority-owned facility.

2 SUBMITTAL PROCESS

To apply for new or modify an existing water service, contact the Authority's Engineering Department at (619) 420-1413 to initiate the submittal process. The submittal process typically takes six weeks to process. This accounts for the required time to:

- Review the Applicant's service request
- Visit the project site and create a cost estimate
- Calculate applicable fees, deposits and credits
- Prepare and transmit a Fees and Deposits Letter to the Applicant, indicating the applicable fees, credits and deposits

3 REQUIRED ITEMS

The Applicant will be asked to provide the following:

- Owner's authorization (if acting as agent of the owner)
- Legal description of the subject property
- Information regarding type of project or development to be served
- Type of water service (e.g. domestic, irrigation, fire)
- Fire flow requirements from the local fire protection agency (if applicable)
- Preliminary plans including site plans, building floor plans, and plumbing plans showing all existing and proposed fixtures (Construction plans approved and stamped by the applicable building jurisdiction will be needed at the end of the review process).
- The Applicant shall designate where the location of the meters by marking a white "W" on face of curb or on top of pavement
- An Authority representative will visit the project site and confirm the proposed meter location

Depending on the project scope, a Design Requirement Letter may be provided to the Applicant, requesting acknowledgment of the minimum submittal requirements and a deposit for design review.

When all submittal items have been provided, the Authority will develop a cost estimate for the construction work, calculate applicable fees, credits, and deposits, and transmit the Fees and Deposits Letter with a request for a deposit.



4 CONSTRUCTION PROCESS

Construction begins when fees and deposit funds are received. The Authority's construction process typically takes eight weeks to complete. This accounts for the time typically required to:

- Process fees and deposits
- Create a new service account
- Process and obtain construction permit(s) from applicable agencies
- Install service(s) & meter(s)
- Process and approve backflow preventer (as applicable)
- Repair paving

Within two months after completion of construction, costs will be tabulated and a final billing or refund will be provided to the Applicant.

If the Applicant or its sub-contractor elects to perform the construction of the new service installation, or any modification to the Authority's facilities, the Applicant will be required to enter into an Agreement to Improve Development.



SWEETWATER AUTHORITY CAPACITY FEES

The purpose for the collection of Authority Capacity Fees is to fund appropriate levels of water capacity for new or upgraded connections to the Authority's water distribution system.

Collection is based on Equivalent Dwelling Unit (EDU). An EDU is a unit that equates all residential, commercial, and industrial connections to a typical single-family residential unit.

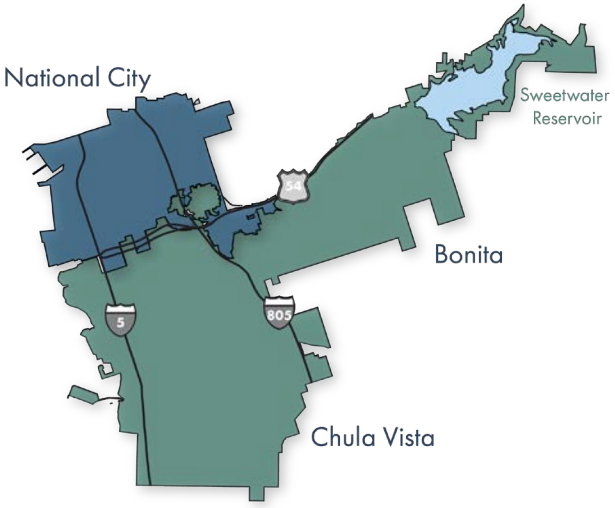
Current Authority Capacity Fees can be found here: www.sweetwater.org/capacityfee

SAN DIEGO COUNTY WATER AUTHORITY CAPACITY CHARGES

The San Diego County Water Authority (SDCWA) capacity charges are collected when new meters are purchased or existing services are upgraded with a larger meter. The capacity charges are based on meter size. The meter size is determined by the water fixture count in accordance to the current California Building and Plumbing Code.

Current SDCWA Water Rates & Charges can be found here: www.sdcwa.org/capacity-charges





SWEETWATER AUTHORITY INFORMATION SOURCES

The information contained in this brochure is based on Sweetwater Authority's Rates and Rules and Supplement to Rates and Rules. For links to PDFs of these documents and additional information sources, see below.

RATES & RULES:
www.sweetwater.org/ratesandrules

SUPPLEMENT TO RATES & RULES:
www.sweetwater.org/ratesandrulessupplement

DESIGN STANDARDS:
www.sweetwater.org/designstandards

STANDARD SPECIFICATIONS FOR CONSTRUCTION OF WATER FACILITIES:
www.sweetwater.org/waterfacilityconstspecs

Sweetwater Authority
505 Garrett Avenue
Chula Vista, CA 91910
(619) 420-1413

SCAN ME

City of National City
Fire Department

Phone (619) 336-4550

Sign Requirements

Date: December 5, 2022

Project: General Requirements

Request: R. Hernandez/Fire Marshal

Approval for final sign-off shall be contingent upon final field inspection and compliance with all applicable codes and ordinances

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1) <u>FIRE DEPARTMENT CONNECTIONS (FDC), OUTSIDE STEM AND YOKE (OS&Y) & POST INDICATOR VALVES (PIV) (*MAY BE COMBINED*</u>)

All device signs shall be of .080 gauge aluminum. All signs shall be 12 inches wide and 18 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters. **<u>Name and address of business shall be located on front of sign</u>**. A combination of the abbreviations may be used to describe devices found at site. *<u>All abbreviations shall strictly follow height requirements</u>*

- Red background with white lettering
- Letter height – **FDC,OS&Y, PIV** – shall be 3 inches tall
- Business address – shall be 1 ¼ inches tall

- Required FDC and Standpipes signs shall also indicate the pressure required at the inlets to deliver the system demand. PSI – shall be 1 ¼ inches tall

- Sign support pole: Schedule 40, 2-inch galvanized pipe. Sign must be buried in concrete base 1 ½ feet deep. Sign shall be placed at top of pole

2) STREET ADDRESS

Street numbers shall be visible from the street. Address size shall be provided by the Building Official. Address shall be of contrasting color to the building and shall be placed in conspicuous area near main access. Structure may be required to provide address in multiple locations. Please contact the Fire Marshal for direction and final address placement

3) NATURAL GAS METERS

All gas signs shall be of .080 gauge aluminum. All signs shall be 10 inches wide and 14 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a yellow background with black letters

- Yellow background with black lettering

- Signage letter height – **NATURAL GAS METER** – shall be 2 3/4 inches tall

- Sign shall be placed AT 5 ½ feet to center above the gas meter in an area clearly visible from the street. Please contact the Fire Marshal for field placement if necessary

4) VERTICAL CLEARANCE SIGNS

All vertical clearance signs shall be of .080 gauge aluminum. All signs shall be 8 inches wide and 24 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a yellow background with black letters

- Yellow background with black lettering

- Signage letter height – **Vertical Clearance Sign** – shall be 4 inches tall

- Signage shall be centered directly above the vertical obstruction in an area clearly visible from the street. Please contact the Fire Marshal for field placement

5) FIRE ALARM CONTROL PANEL (FACP)

All signs shall be of .080 gauge aluminum. All signs shall be 10 inches wide and 12 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters

- Red Background with white lettering
- Signage letter height – **Fire Alarm Control Panel** – shall be 2 inches tall
- Please contact the National City Fire Department for FACP location per plans
- Sign shall be placed at the center of door. Please contact the National City Fire Department for field placement

6) FIRE CONTROL ROOM OR RISER ROOM

All signs shall be of .080 gauge aluminum. All signs shall be 10 inches wide and 12 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters

- Red background with white lettering
- Signage letter height – **Fire Control Room** – shall be 2 inches tall Sign shall be placed in the center of the door at a measurement of 16 inches to center. Measurement shall be taken from the top center of door. Please contact the National City Fire Department for field placement

7) ELECTRICAL/MECHANICAL ROOMS

All Electrical and Mechanical Room signs shall be of .080 gauge aluminum. All signs shall be 10 inches wide and 12 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters

- Red background with white lettering
- Signage letter height – **Electrical or Mechanical Room**– shall be 2 inches tall
- Sign shall be placed in the center of the door at a measurement of 16 inches to center. Measurement shall be taken from the top center of door. Sign shall be clearly visible from the street. Please contact the National City Fire Department for field placement

8) ROOF ACCESS

All Roof Access signs shall be of .080 gauge aluminum. All signs shall be 10 inches wide and 12 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters

- Red background with white lettering
- Signage letter height – **Roof Access** – shall be 2 inches tall
- Sign shall be placed in the center of access door. Please contact the Fire Marshal for field placement
- If roof has standpipe, the word " ROOF STANDPIPE" shall also be placed on sign

9) EMERGENCY POWER

All Emergency Power signs shall be of .080 gauge aluminum. All signs shall be 10 inches wide and 12 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be white background with black letters. Sign shall describe all additional power shutdowns in clear map form. Map shall describe present position (You Are Here)

- White background with black letters

- Signage letter height – **Emergency Power** – shall be 2 inches tall

- Sign shall be clearly visible from the street. If the power source is inside of the building and can not be seen from the street, a sign shall be placed in a position that can be easily seen by emergency personnel on foot

- Please contact the National City Fire Department for requirements. A detailed plan shall be submitted to the Fire Marshal for approval and final field placement

10) 704: STANDARD SYSTEM FOR THE IDENTIFICATION OF THE HAZARDS OF MATERIALS FOR EMERGENCY RESPONSE

Scope.

This standard shall address the health, flammability, instability, and related hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies

Purpose.

This standard shall provide a simple, readily recognized, and easily understood system of markings that provides a general idea of the hazards of a material and the severity of these hazards as they relate to emergency response. The objectives of the system shall be as follows:

1. (1) To provide an appropriate signal or alert and on-the-spot information to safeguard the lives of both public and private emergency response personnel
2. (2) To assist in planning for effective fire and emergency control operations, including cleanup
3. (3) To assist all designated personnel, engineers, and plant and safety personnel in evaluating hazard. This system of markings shall identify the hazards of a material in terms of the following three principal categories:

1. (1) Health
2. (2) Flammability
3. (3) Instability

The system shall indicate the degree of severity by a numerical rating that ranges from 4, indicating severe hazard, to 0, indicating minimal hazard. The information shall be presented by a spatial arrangement of numerical ratings, with the health rating always at the nine o'clock position, the flammability rating always at the twelve o'clock position, and the instability rating always at the three o'clock position. Each rating shall be located in a square-on-point field (commonly referred to as a diamond), each of which is assigned a color as follows:

1. (1) Blue for health hazard

2. (2) Red for flammability hazard
3. (3) Yellow for instability hazard

Note: Please contact the National City Fire Department for size and field placement

11) HYDROGEN CELL SITE

Hydrogen cell sign at shall be of .080 gauge aluminum. Sign shall be 8 ½ inches wide and 5 ½ inches long. Sign shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.) Color of sign shall be a red background with white letters. Sign shall be in CAPITAL LETTERS:

1 ST Line - HYDROGEN CELL SITE

2nd Line - QUANTITY - ?????????

3rd Line - EMERGENCY SHUTDOWN PROCEDURES

- 1
- 2
- 3
- etc

- Signage letter height - (HYDROGEN CELL SITE) – shall be 1 inches tall with a 1/4 inch stroke

- Signage letter height - (QUANTITY) shall be ¾ tall with a ¼ inch stroke

- Signage letter height - (EMERGENCY SHUTDOWN PROCEDURES) shall be ¾ tall with a ¼ inch stroke…1,2,3, etc.

12) FIRE ALARM EQUIPMENT ABOVE

All signs shall be 3 inches wide and 7 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters

- Red background with white lettering

- Signage letter height – **Fire Alarm Equipment Above** – shall be 1 inch tall:

1st Line – FIRE ALARM

2nd Line – EQUIPMENT ABOVE

- Please contact the National City Fire Department for field placement

13) DIRECTORY MAP (WAYFINDING)

- Directory map shall be installed in all projects with more than (14) units
- Name of complex
- Buildings with unit numbers
- North directional arrow
- "You are here" reference
- Shall be provided at every entrance
- Located at right side of roadway when possible
- A minimum of (3) feet from the curb
- Shall be illuminated
- All access roads and gates
- A plot plan showing private roads if any
- Fire hydrant locations
- Fire Control Rooms
- Stairwells
- Pump Rooms
- Standpipes
- Roof Access points
- National City Fire Department shall review and approve directory prior to print

15) THIS DOOR BLOCKED

All Blocked Door signs shall be 10 inches wide and 12 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters

- Red background with white lettering

- Signage letter height – **THIS DOOR BLOCKED** – shall be 2 inches tall

- Sign shall be placed in the center of access door. Please contact the Fire Department for field placement

16) INDOOR SIGNS

- All signs for indoor use **may exclude** .080 gauge aluminum and may be decal only. Please contact the National City Fire Department for direction

17) GRASSCRETE/FIRE DEPT. TURN AROUND (Similar layout for both signs)

Sign shall be of .080 gauge aluminum. All signs shall be 12 inches wide and 18 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters.

- Red background with white lettering
- Lines 1, 2 & 3 - Letter height shall be 2 inches tall
- Line 4 - Letter height shall be 1 inch tall

  1st Line - NO PARKING

  2nd Line - FIRE LANE

  3rd Line - "GRASSCRETE" SURFACE

  4th Line - LANE ENDS IN _____ FEET

- Sign support pole: Schedule 40, 2-inch galvanized pipe. Sign must be buried in concrete base 1 ½ feet deep. Sign shall be placed at top of pole. Please contact the National City Fire Department for direction

12) FIRE DEPARTMENT CONNECTION (FDC) PRESSURE

Required FDC sign shall also indicate the pressure required at the inlets to **deliver the system demand**

All signs shall be 3 inches wide and 7 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters. **Sign may also be in metal**

- Red background with white lettering
- Signage letter height – shall be 1 inch tall:

  1st Line – AUTOSPKR

2nd Line – Required Pressure (amount)

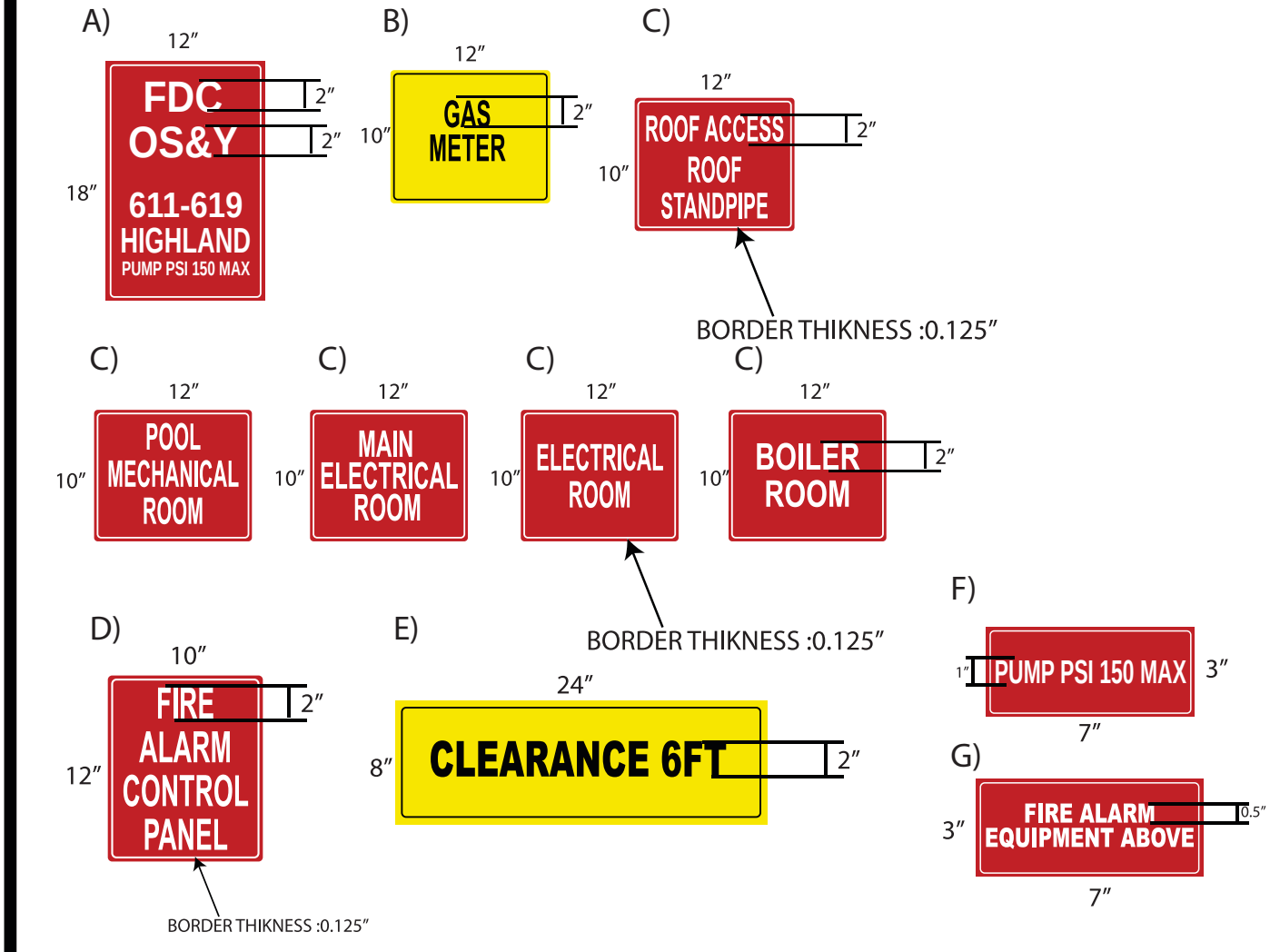
- Please contact the National City Fire Department for field placement

14) SIGN SUPPORT POLE

- Sign support pole shall be schedule 40, 2-inch galvanized pipe. The support pole shall be buried to a depth of 1 ½ feet with concrete base. The support pole shall be large enough to accommodate the sign placed at 7 feet from grade to bottom of sign

Revision: December 5, 2022
R.H.

EACH ON .080 ALUMINUM
type IV high intensity prismatic sheeting with protective overlay film.



FONT USED
ARIAL NARROW BOLD

APPENDIX D

FIRE APPARATUS ACCESS ROADS

The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance or legislation of the jurisdiction.

User note:

About this appendix: *Appendix D contains more detailed elements for use with the basic access requirements found in Section 503, which gives some minimum criteria, such as a maximum length of 150 feet and a minimum width of 20 feet, but in many cases does not state specific criteria. This appendix, like Appendices B and C, is a tool for jurisdictions looking for guidance in establishing access requirements and includes criteria for multiple-family residential developments, large one- and two-family subdivisions, specific examples for various types of turnarounds for fire department apparatus and parking regulatory signage.*

SECTION D101
GENERAL

D101.1 Scope. Fire apparatus access roads shall be in accordance with this appendix and all other applicable requirements of the *California Fire Code*.

SECTION D102
REQUIRED ACCESS

D102.1 Access and loading. Facilities, buildings or portions of buildings hereafter constructed shall be accessible to fire department apparatus by way of an approved fire apparatus access road with an asphalt, concrete or other approved driving surface capable of supporting the imposed load of fire apparatus weighing up to 75,000 pounds (34 050 kg).

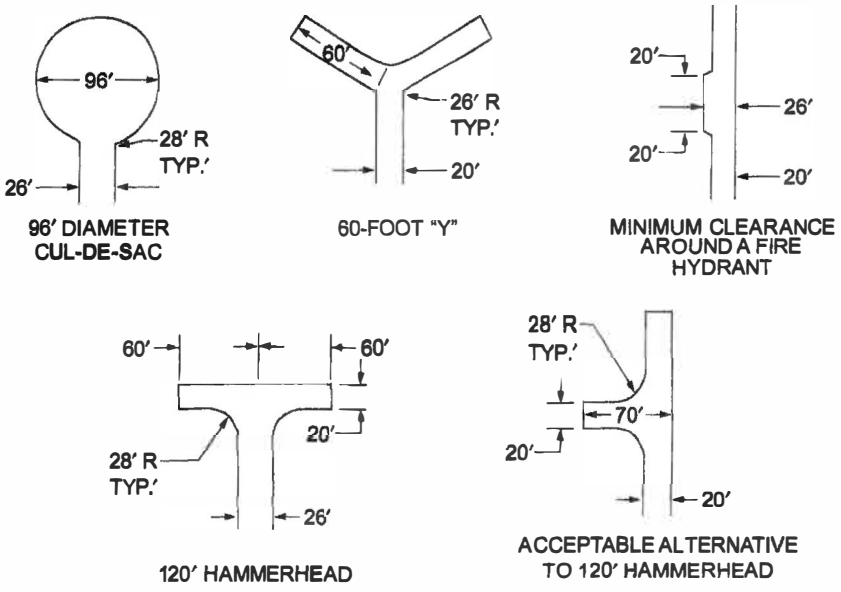
SECTION D103
MINIMUM SPECIFICATIONS

D103.1 Access road width with a hydrant. Where a fire hydrant is located on a fire apparatus access road, the minimum road width shall be 26 feet (7925 mm), exclusive of shoulders (see Figure D103.1).

D103.2 Grade. Fire apparatus access roads shall not exceed 10 percent in grade.

Exception: Grades steeper than 10 percent as approved by the fire code official.

D103.3 Turning radius. The minimum turning radius shall be determined by the fire code official.



For SI: 1 foot = 304.8 mm.

FIGURE D103.1
DEAD-END FIRE APPARATUS ACCESS ROAD TURNAROUND

D103.4 Dead ends. Dead-end fire apparatus access roads in excess of 150 feet (45 720 mm) shall be provided with width and turnaround provisions in accordance with Table D103.4.

TABLE D103.4
REQUIREMENTS FOR DEAD-END FIRE APPARATUS ACCESS ROADS

LENGTH (feet)	WIDTH (feet)	TURNAROUNDS REQUIRED
0–150	20	None required
151–500	20	120-foot Hammerhead, 60-foot "Y" or 96-foot-diameter cul-de-sac in accordance with Figure D103.1
501–750	26	120-foot Hammerhead, 60-foot "Y" or 96-foot-diameter cul-de-sac in accordance with Figure D103.1
Over 750	Special approval required	

For SI: 1 foot = 304.8 mm.

D103.5 Fire apparatus access road gates. Gates securing the fire apparatus access roads shall comply with all of the following criteria:

1. Where a single gate is provided, the gate width shall be not less than 20 feet (6096 mm). Where a fire apparatus road consists of a divided roadway, the gate width shall be not less than 12 feet (3658 mm).
2. Gates shall be of the horizontal swing, horizontal slide, vertical lift or vertical pivot type.
3. Construction of gates shall be of materials that allow manual operation by one person.
4. Gate components shall be maintained in an operative condition at all times and replaced or repaired when defective.
5. Electric gates shall be equipped with a means of opening the gate by fire department personnel for emergency access. Emergency opening devices shall be approved by the fire code official.
6. Methods of locking shall be submitted for approval by the fire code official.
7. Electric gate operators, where provided, shall be listed in accordance with UL 325.
8. Gates intended for automatic operation shall be designed, constructed and installed to comply with the requirements of ASTM F2200.

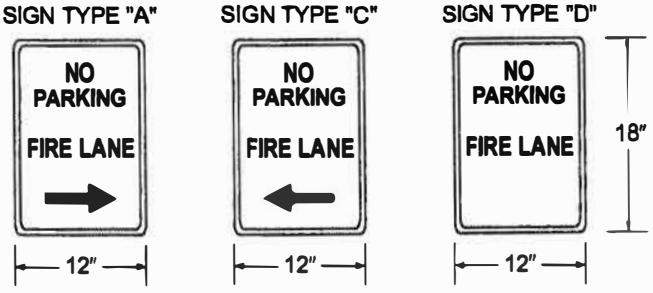


FIGURE D103.6
FIRE LANE SIGNS

D103.6 Signs. Where required by the fire code official, fire apparatus access roads shall be marked with permanent "NO PARKING—FIRE LANE" signs complying with Figure D103.6. Signs shall have a minimum dimension of 12 inches (305 mm) wide by 18 inches (457 mm) high and have red letters on a white reflective background. Signs shall be posted on one or both sides of the fire apparatus road as required by Section D103.6.1 or D103.6.2.

D103.6.1 Roads 20 to 26 feet in width. Fire lane signs as specified in Section D103.6 shall be posted on both sides of fire apparatus access roads that are 20 to 26 feet wide (6096 to 7925 mm).

D103.6.2 Roads more than 26 feet in width. Fire lane signs as specified in Section D103.6 shall be posted on one side of fire apparatus access roads more than 26 feet wide (7925 mm) and less than 32 feet wide (9754 mm).

SECTION D104
COMMERCIAL AND INDUSTRIAL DEVELOPMENTS

D104.1 Buildings exceeding three stories or 30 feet in height. Buildings or facilities exceeding 30 feet (9144 mm) or three stories in height shall have not fewer than two means of fire apparatus access for each structure.

D104.2 Buildings exceeding 62,000 square feet in area. Buildings or facilities having a gross building area of more than 62,000 square feet (5760 m^2) shall be provided with two separate and approved fire apparatus access roads.

Exception: Projects having a gross building area of up to 124,000 square feet (11 520 m^2) that have a single approved fire apparatus access road where all buildings are equipped throughout with approved automatic sprinkler systems.

D104.3 Remoteness. Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one half of the length of the maximum overall diagonal dimension of the lot or area to be served, measured in a straight line between accesses.

SECTION D105
AERIAL FIRE APPARATUS ACCESS ROADS

D105.1 Where required. Where the vertical distance between the grade plane and the highest roof surface exceeds 30 feet (9144 mm), approved aerial fire apparatus access roads shall be provided. For purposes of this section, the highest roof surface shall be determined by measurement to the eave of a pitched roof, the intersection of the roof to the exterior wall, or the top of parapet walls, whichever is greater.

Exception: Where approved by the fire code official, buildings of Type IA, Type IB or Type IIA construction equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 and having fire fighter access through an enclosed stairway with a Class I standpipe from the lowest level of fire department vehicle access to all roof surfaces.

D105.2 Width. Aerial fire apparatus access roads shall have a minimum unobstructed width of 26 feet (7925 mm), exclusive of shoulders, in the immediate vicinity of the building or portion thereof.

D105.3 Proximity to building. One or more of the required access routes meeting this condition shall be located not less than 15 feet (4572 mm) and not greater than 30 feet (9144 mm) from the building, and shall be positioned parallel to one entire side of the building. The side of the building on which the aerial fire apparatus access road is positioned shall be approved by the fire code official.

D105.4 Obstructions. Overhead utility and power lines shall not be located over the aerial fire apparatus access road or between the aerial fire apparatus road and the building. Other obstructions shall be permitted to be placed with the approval of the fire code official.

SECTION D106
MULTIPLE-FAMILY RESIDENTIAL DEVELOPMENTS

D106.1 Projects having more than 100 dwelling units. Multiple-family residential projects having more than 100 dwelling units shall be equipped throughout with two separate and approved fire apparatus access roads.

Exception: Projects having up to 200 dwelling units shall have not fewer than one approved fire apparatus access road where all buildings, including nonresidential occupancies, are equipped throughout with approved automatic sprinkler systems installed in accordance with Section 903.3.1.1 or 903.3.1.2.

D106.2 Projects having more than 200 dwelling units. Multiple-family residential projects having more than 200 dwelling units shall be provided with two separate and approved fire apparatus access roads regardless of whether they are equipped with an approved automatic sprinkler system.

D106.3 Remoteness. Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the property or area to be served, measured in a straight line between accesses.

SECTION D107
ONE- OR TWO-FAMILY RESIDENTIAL DEVELOPMENTS

D107.1 One- or two-family dwelling residential developments. Developments of one- or two-family dwellings where the number of dwelling units exceeds 30 shall be provided with two separate and approved fire apparatus access roads.

Exceptions:

1. Where there are more than 30 dwelling units accessed from a single public or private fire apparatus access road and all dwelling units are equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.1.3, access from two directions shall not be required.
2. The number of dwelling units accessed from a single fire apparatus access road shall not be increased unless fire apparatus access roads will connect with future development, as determined by the fire code official.

D107.2 Remoteness. Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the property or area to be served, measured in a straight line between accesses.

SECTION D108
REFERENCED STANDARDS

D108.1 General. See Table D108.1 for standards that are referenced in various sections of this appendix. Standards are listed by the standard identification with the effective date, standard title, and the section or sections of this appendix that reference the standard.

TABLE D108.1
REFERENCED STANDARDS

STANDARD ACRONYM	STANDARD NAME	SECTIONS HEREIN REFERENCED
ASTM F2200—14	*Standard Specification for Automated Vehicular Gate Construction*	D103.5
UL 325—02	*Door, Drapery, Gate, Louver, and Window Operators and Systems*, with Revisions through May 2015	D103.5

Appendix C

Air Quality, GHG and Energy Technical Report

Air Quality, Greenhouse Gas Emissions, and Energy Technical Report

Tidelands Avenue Electric Truck Hub Project, San Diego, California

OCTOBER 2025

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AB	Assembly Bill
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
ATCM	Airborne Toxic Control Measure
BESS	battery energy storage system
CAA	federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CALGreen	California Green Building Standards
CAP	Climate Action Plan
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CERP	Community Emissions Reduction Plan
CFC	chlorofluorocarbon
CH_4	methane
CNRA	California Natural Resources Agency
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
County	County of San Diego
CPUC	California Public Utilities Commission
District	San Diego Unified Port District
DPM	diesel particulate matter
EISA	Energy Independence and Security Act
EO	Executive Order
EPA	U.S. Environmental Protection Agency
EV	electric vehicle
GHG	greenhouse gas
GWP	global warming potential
HCFC	hydrochlorofluorocarbon
HFC	hydrofluorocarbon
kWh	kilowatt-hour
MCAS	Maritime Clean Air Strategy
MMT	million metric tons
MT	metric ton
N_2O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NHTSA	National Highway Traffic Safety Administration
NO_2	nitrogen dioxide

Acronym/Abbreviation	Definition
NO_x	oxides of nitrogen
O_3	ozone
OEHHA	Office of Environmental Health Hazard Assessment
PFC	perfluorocarbon
PM_{10}	particulate matter with an aerodynamic diameter less than or equal to 10 microns
$PM_{2.5}$	particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
Port	Port of San Diego
PRC	California Public Resources Code,
RAQS	Regional Air Quality Strategy
RFS	Renewable Fuel Standard
RPS	Renewables Portfolio Standard
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
SANDAG	San Diego Association of Governments
SB	Senate Bill
SCS	Sustainable Communities Strategy
SDAB	San Diego Air Basin
SDAPCD	San Diego County Air Pollution Control District
SDG&E	San Diego Gas & Electric
SF_6	sulfur hexafluoride
SIP	State Implementation Plan
SLCP	short-lived climate pollutant
SO_2	sulfur dioxide
SO_x	sulfur oxides
TAC	toxic air contaminant
VMT	vehicle miles traveled
VOC	volatile organic compound
ZEV	zero-emission vehicle

Executive Summary

The purpose of this technical report is to assess the potential air quality, greenhouse gas (GHG) emissions, and energy impacts associated with implementation of the proposed Tidelands Avenue Electric Truck Hub Project (project). This assessment uses the California Environmental Quality Act Guidelines Appendix G Checklist questions and County of San Diego air quality thresholds.

Project Overview

Skychargers LLC (project applicant) proposes to lease approximately 4.8 acres of an approximately 8.2-acre parcel from the San Diego Unified Port District (District) to develop the project. The project would consist of (1) zero-emission-truck charging infrastructure, (2) a photovoltaic canopy, (3) a battery energy storage system, (4) a convenience store, and (5) infrastructure improvements. The proposed project is intended to serve electric drayage trucks working at the nearby marine terminal and related storage facilities in the vicinity.

Up to 30 trucks are anticipated to use the site during the initial operating year as part of the Truck-as-a-Service program. An additional 16 trucks may be added to the program over the next 3 to 5 years. Additionally, zero-emission truck charging infrastructure would be available on site to support municipal fleets, local businesses with truck fleets, and passenger vehicles dependent on available capacity. Truck-as-a-Service participating operators may have assigned, dedicated parking stalls/charge ports, and trucks serving one of the two marine cargo terminals would have priority over all other vehicles to use the charging stalls. The site would be equipped with gates that may be used for access control to enforce the priority of use.

Air Quality

This air quality impact analysis evaluated the potential for adverse impacts to air quality due to construction and operational emissions resulting from the proposed project. Impacts were evaluated for their significance based on the San Diego County Air Pollution Control District's (SDAPCD) mass daily criteria air pollutant thresholds of significance (SDAPCD 2020). Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards (criteria) for outdoor concentrations to protect public health. Criteria air pollutants include ozone, nitrogen dioxide, carbon monoxide (CO), sulfur dioxide, particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM_{10}), particulate matter with an aerodynamic diameter less than or equal to 2.5 microns ($PM_{2.5}$), and lead. Pollutants that were evaluated consisted of volatile organic compounds (VOCs) (also referred to as reactive organic gases), oxides of nitrogen (NO_x), CO, sulfur oxides (SO_x), PM_{10}, and $PM_{2.5}$. VOCs and NO_x are important because they are precursors to ozone.

Air Quality Plan Consistency

If a project proposes development that is greater than that anticipated in the local plan and the growth projections set by the San Diego Association of Governments (SANDAG), the project might be in conflict with the State Implementation Plan and the Regional Air Quality Strategy, and therefore may contribute to a potentially significant cumulative impact on air quality. The proposed project was deemed consistent with the current air quality plan because the anticipated growth associated with the project would not exceed that projected by SANDAG for the project site, and the project is consistent with the underlying zoning. Based on these considerations, impacts related

to the proposed project's potential to conflict with or obstruct implementation of the applicable air quality plan would be **less than significant.**

Construction Criteria Air Pollutant Emissions

Construction of the project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing) and off-site sources (i.e., on-road haul trucks, vendor trucks, and worker vehicle trips). Maximum daily construction emissions would not exceed the SDAPCD significance thresholds for VOC, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$ during construction. Therefore, impacts would be **less than significant.**

Operational Criteria Air Pollutant Emissions

Operation of the project would generate operational criteria air pollutants from mobile sources (vehicles), area sources (consumer product use, architectural coatings, and landscape maintenance equipment), and energy (natural gas). Maximum operational emissions would not exceed the SDAPCD operational significance thresholds for VOC, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$. Therefore, impacts would be **less than significant.**

Cumulative Impacts

The potential for the project to result in a cumulatively considerable impact, per the SDAPCD guidance and thresholds, is based on the project's potential to exceed the project-specific daily thresholds. Because maximum construction and operational emissions would not exceed the SDAPCD significance thresholds for VOC, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$, the proposed project **would not result in a cumulatively considerable increase** in criteria air pollutants.

Exposure of Sensitive Receptors

Construction activities would not generate emissions in excess of the SDAPCD site-specific mass daily thresholds; therefore, site-specific construction impacts during construction of the project would be less than significant. In addition, diesel equipment would be subject to the California Air Resources Board's Airborne Toxic Control Measure for in-use off-road diesel fleets, which would minimize diesel particulate matter emissions. The project site is not in proximity to existing sensitive receptors. No residual toxic air contaminant emissions and corresponding cancer risk are anticipated after construction because no long-term sources of toxic air contaminant emissions are anticipated during operation of the project. Further, the off-site consequence analysis showed that no receptor would be exposed to toxic air contaminants above levels of concern during a potential thermal runaway event. Therefore, impacts to sensitive receptors during construction would be **less than significant**.

The project would result in minimal internal combustion engine trips during operation. As such, potential project-generated impacts associated with CO hotspots would be **less than significant.**

Other Emissions

Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application, which would disperse rapidly from the project site and generally occur at magnitudes that would not affect substantial numbers

of people. Impacts associated with odors during construction would be less than significant. The proposed project would be an electric-vehicle charging station that would not include land uses with sources that have the potential to generate substantial odors, and impacts associated with odors during operation would be **less than significant**.

Greenhouse Gas Emissions

The proposed project was shown to not conflict with the California Air Resources Board's Scoping Plan, SANDAG's Regional Plan, the District's Climate Action Plan, the District's Green Port Program, or the District's Maritime Clean Air Strategy, each of which was adopted for the purpose of reducing GHG emissions. As such, the project would result in a **less-than-significant** impact attributable to GHG emissions**.**

Energy

The project would result in the use of electricity and petroleum during construction and operation. However, the amount of energy used by the project would be minimal compared to regional demand. The project would use renewable energy on site (as provided by San Diego Gas & Electric), as determined to be feasible, and would not result in wasteful, inefficient, or unnecessary consumption of energy resources, including electricity or petroleum, during project construction or operation. Impacts would be **less than significant.**

The project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency during project construction. The project would not conflict with applicable plans for renewable energy because it would be required to include solar energy pursuant to Title 24. As such, the project, in combination with other reasonably foreseeable projects, would not conflict with a state or local plan for renewable energy or energy efficiency. Impacts would be **less than significant.**

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1 Introduction

1.1 Report Purpose and Scope

The purpose of this technical report is to assess the potential air quality, greenhouse gas (GHG) emissions, and energy impacts associated with implementation of the proposed Tidelands Avenue Electric Truck Hub Project (project). This assessment uses the California Environmental Quality Act (CEQA) Guidelines Appendix G Checklist questions and County of San Diego (County) air quality thresholds.

This introductory chapter provides a description of the proposed project and the project location (see Figure 1, Project Location). Chapter 2, Air Quality, describes the air quality-related environmental setting, regulatory setting, existing air quality conditions, and thresholds of significance and analysis methodology, and also presents an air quality impact analysis. Chapter 3, Greenhouse Gas Emissions, describes the environmental setting, regulatory setting, existing climate conditions, thresholds of significance and analysis methodology, and GHG consistency analysis. Chapter 4, Energy, describes the environmental setting, regulatory setting, existing energy conditions, thresholds of significance and analysis methodology, and energy analysis. Chapter 5, References, provides a list of the references cited within this report. Chapter 6, List of Preparers, provides a list of those who prepared this technical report.

1.2 Project Description

Skychargers LLC (project applicant) proposes to lease approximately 4.8 acres of an approximately 8.2-acre parcel from the San Diego Unified Port District (District) to develop the project. The project would consist of (1) zero-emission truck-charging infrastructure, (2) a photovoltaic canopy, (3) a battery energy storage system (BESS), (4) a convenience store, and (5) infrastructure improvements (see Figure 2, Site Plan). The project is intended to serve electric drayage trucks working at the nearby marine terminal and related storage facilities in the vicinity.

Up to 30 trucks are anticipated to use the site during the initial operating year as part of the Truck-as-a-Service program. An additional 16 trucks may be added to the program over the next 3 to 5 years. Additionally, zero-emission truck-charging infrastructure would be available on site to support municipal fleets, local businesses with truck fleets, and passenger vehicles, dependent on available capacity. Truck-as-a-Service participating operators may have assigned, dedicated parking stalls/charge ports, and trucks serving one of the two marine cargo terminals would have priority over all other vehicles to use the charging stalls. The site would be equipped with gates that may be used for access control to enforce the priority of use.

The project site is within the National City Bayfront: Planning District 5 of the Port Master Plan (San Diego Unified Port District 2024). The site is immediately south of the District's Port Operations Center building at 1400 Tidelands Avenue, National City, California. The site is bound on the east by Tidelands Avenue; on the south by an imported-vehicle parking lot operated by Pasha Automotive Services on West 19th Street; and on the west by U.S. Department of the Navy (U.S. Navy) U.S. Naval Base San Diego, with an access gate to the Naval Base provided at the west end of West 19th Street.

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2 Air Quality

2.1 Environmental Setting

The project site is within the San Diego Air Basin (SDAB) and is subject to San Diego County Air Pollution Control District (SDAPCD) guidelines and regulations. The SDAB is 1 of 15 air basins that geographically divide California. The weather of the San Diego region, as in most of Southern California, is influenced by the Pacific Ocean and its semi-permanent high-pressure systems that result in dry, warm summers and mild, occasionally wet winters. The average temperature ranges from the mid-40s to the high 90s (in Fahrenheit [°F]). Most of the region's precipitation falls from November to April, with infrequent (approximately 10%) precipitation during the summer. The average seasonal precipitation along the coast is approximately 10 inches; the amount increases with elevation as moist air is lifted over the mountains to the east (WRCC 2024).

The topography in the San Diego region varies greatly, from beaches in the west to mountains and deserts in the east. Along with local meteorology, the topography influences the dispersal and movement of pollutants in the SDAB. The mountains to the east prohibit dispersal of pollutants in that direction and help trap them in inversion layers, as described in the next section.

The interaction of ocean, land, and the Pacific high-pressure zone maintains clear skies for much of the year and influences the direction of prevailing winds (westerly to northwesterly). Local terrain is often the dominant factor inland, and winds in inland mountainous areas tend to blow through the valleys during the day and down the hills and valleys at night.

2.1.1 Meteorological and Topographical Conditions

The SDAB lies in the southwest corner of California, comprises the entire San Diego region (covering approximately 4,260 square miles), and is an area of high air pollution potential. The SDAB experiences warm summers, mild winters, infrequent rainfall, light winds, and moderate humidity. This usually mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds.

The climate also drives pollutant levels. The climate of San Diego is classified as Mediterranean, but it is diverse because of the topography. The climate is dominated by the Pacific high-pressure system that results in mild, dry summers and mild, wet winters. The Pacific high-pressure system drives the prevailing winds in the SDAB. The winds tend to blow onshore during the daytime and offshore at night. In the fall, the SDAB is often impacted by Santa Ana winds. These winds are the result of a high-pressure system over the Nevada–Utah region that overcomes the westerly wind pattern and forces hot, dry winds from the east toward the Pacific Ocean (SDAPCD 2015). The winds blow the air basin's pollutants out to sea. However, a weak Santa Ana can transport air pollution from the South Coast Air Basin and greatly increase San Diego ozone (O_3) concentrations. A strong Santa Ana primes vegetation for firestorm conditions.

The SDAB experiences frequent temperature inversions. Subsidence inversions occur during the warmer months as descending air associated with the Pacific high-pressure zone meets cool marine air. The boundary between the two layers of air creates a temperature inversion that traps pollutants. Another type of inversion, a radiation inversion, develops on winter nights when air near the ground cools by heat radiation and air aloft remains warm.

The shallow inversion layer formed between these two air masses can also trap pollutants. As the pollutants become more concentrated in the atmosphere, photochemical reactions occur that produce O_3, commonly known as smog.

Light daytime winds, predominantly from the west, further aggravate the condition by driving air pollutants inland, toward the mountains. During the fall and winter, air quality problems are created because of emissions of carbon monoxide (CO) and oxides of nitrogen (NO_x). CO concentrations are generally higher in the morning and late evening. In the morning, CO levels are elevated because of cold temperatures and the large number of motor vehicles traveling. Higher CO levels during the late evenings are a result of stagnant atmospheric conditions trapping CO in the area. Because CO is produced almost entirely from automobiles, the highest CO concentrations in the SDAB are associated with heavy traffic. Nitrogen dioxide (NO_2) levels are also generally higher during fall and winter days when O_3 concentrations are lower.

The local climate on the coast of National City is characterized as semi-arid with consistently mild, warmer temperatures throughout the year. The average yearly high temperature in the region is approximately 69.9°F. The average yearly low temperature is approximately 56.5°F. Average precipitation in the local area is approximately 10.13 inches per year, with the bulk of precipitation falling during November to March (WRCC 2024).

2.1.2 Pollutants and Effects

2.1.2.1 Criteria Air Pollutants

Criteria air pollutants are defined as pollutants for which the federal government has established ambient air quality standards (i.e., criteria) for outdoor concentrations to protect public health. Federal and state standards for these pollutants have been set, with an adequate margin of safety, at levels above which concentrations could be harmful to human health and welfare. These standards are designed to protect the most sensitive persons from illness or discomfort. The six pollutants of concern are O_3, NO_2, CO, sulfur dioxide (SO_2), particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM_{10}), particulate matter with an aerodynamic diameter less than or equal to 2.5 microns ($PM_{2.5}$), and lead. These pollutants, as well as toxic air contaminants (TACs), are discussed in the following paragraphs.[1] California additionally has ambient air quality standards for sulfates, vinyl chloride, hydrogen sulfide, and visibility-reducing particles.

Ozone. O_3 is a strong-smelling, pale blue, reactive, toxic chemical gas consisting of three oxygen atoms. It is a secondary pollutant formed in the atmosphere by a photochemical process involving the sun's energy and O_3 precursors. These precursors are mainly NO_x and volatile organic compounds (VOCs). The maximum effects of precursor emissions on O_3 concentrations usually occur several hours after they are emitted and many miles from the source. Meteorology and terrain play major roles in O_3 formation, and ideal conditions occur during summer and early autumn on days with low wind speeds or stagnant air, warm temperatures, and cloudless skies. O_3 exists in the upper atmosphere O_3 layer (stratospheric ozone) and at the Earth's surface in the troposphere (ozone).[2] The O_3 that the U.S. Environmental Protection Agency (EPA) and the California Air Resources Board (CARB) regulate as a criteria air pollutant is produced close to the ground level, where people live, exercise, and breathe. Ground-level O_3 is a harmful air pollutant that causes numerous adverse health effects and is thus considered "bad" O_3.

1 The descriptions of each of the criteria air pollutants and associated health effects are based on the U.S. Environmental Protection Agency's Criteria Air Pollutants (EPA 2016a) and the California Air Resources Board's Glossary of Air Pollutant Terms (CARB 2016a).

2 The troposphere is the layer of the Earth's atmosphere nearest to the surface of the Earth. The troposphere extends outward approximately 5 miles at the poles and approximately 10 miles at the equator.

Stratospheric, or "good," O_3 occurs naturally in the upper atmosphere, where it reduces the amount of ultraviolet light (i.e., solar radiation) entering the Earth's atmosphere. Without the protection of the beneficial stratospheric O_3 layer, plant and animal life would be seriously harmed.

O_3 in the troposphere causes numerous adverse health effects; short-term exposures (lasting for a few hours) to O_3 at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes (EPA 2013). These health problems are particularly acute in sensitive receptors, such as the sick, older adults, and young children.

Nitrogen Dioxide and Oxides of Nitrogen. NO_2 is a brownish, highly reactive gas that is present in all urban atmospheres. The major mechanism for the formation of NO_2 in the atmosphere is the oxidation of the primary air pollutant nitric oxide, which is a colorless, odorless gas. NO_2 can irritate the lungs, cause bronchitis and pneumonia, and lower resistance to respiratory infections (EPA 2016b).

NO_x plays a major role, together with VOCs, in the atmospheric reactions that produce O_3. NO_x is formed from fuel combustion under high temperature or pressure. In addition, NO_x is an important precursor to acid rain, and may affect both terrestrial and aquatic ecosystems. The two major emissions sources of NO_x are transportation and stationary fuel combustion sources, such as electric utility and industrial boilers.

Carbon Monoxide. CO is a colorless, odorless gas formed by the incomplete combustion of hydrocarbon, or fossil fuels. CO is emitted almost exclusively from motor vehicles, power plants, refineries, industrial boilers, ships, aircraft, and trains. In urban areas, automobile exhaust accounts for the majority of CO emissions. CO is a nonreactive air pollutant that dissipates relatively quickly; therefore, ambient CO concentrations generally follow the spatial and temporal distributions of vehicular traffic. CO concentrations are influenced by local meteorological conditions—primarily wind speed, topography, and atmospheric stability. CO from motor vehicle exhaust can become locally concentrated when surface-based temperature inversions are combined with calm atmospheric conditions, which is a typical situation at dusk in urban areas November through February. The highest levels of CO typically occur during the colder months of the year, when inversion conditions are more frequent.

In terms of adverse health effects, CO competes with oxygen, often replacing it in the blood, reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can include dizziness, fatigue, and impairment of central nervous system functions.

Sulfur Dioxide. SO_2 is a colorless, pungent gas formed primarily from incomplete combustion of sulfur-containing fossil fuels. The main sources of SO_2 are coal and oil used in power plants and industries; as such, the highest levels of SO_2 are generally found near large industrial complexes. In recent years, SO_2 concentrations have been reduced by the increasingly stringent controls placed on stationary-source emissions of SO_2 and limits on the sulfur content of fuels.

SO_2 is an irritant gas that attacks the throat and lungs and can cause acute respiratory symptoms and diminished ventilator function in children. When combined with particulate matter, SO_2 can injure lung tissue and reduce visibility and the level of sunlight. SO_2 can also yellow plant leaves and erode iron and steel.

Particulate Matter. Particulate matter pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter can form when gases emitted from

industries and motor vehicles undergo chemical reactions in the atmosphere. $PM_{2.5}$ and PM_{10} represent fractions of particulate matter. Coarse particulate matter (PM_{10}) consists of particulate matter that is 10 microns or less in diameter (about 1/7 the thickness of a human hair). Major sources of PM_{10} include crushing or grinding operations; dust stirred up by vehicles traveling on roads; wood-burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions. Fine particulate matter ($PM_{2.5}$) consists of particulate matter that is 2.5 microns or less in diameter (roughly 1/28 the diameter of a human hair). $PM_{2.5}$ results from fuel combustion (e.g., from motor vehicles and power generation and industrial facilities), residential fireplaces, and woodstoves. In addition, $PM_{2.5}$ can be formed in the atmosphere from gases such as sulfur oxides (SO_x), NO_x, and VOCs.

$PM_{2.5}$ and PM_{10} pose a greater health risk than larger-size particles. When inhaled, these tiny particles can penetrate the human respiratory system's natural defenses and damage the respiratory tract. $PM_{2.5}$ and PM_{10} can increase the number and severity of asthma attacks, cause or aggravate bronchitis and other lung diseases, and reduce the body's ability to fight infections. Very small particles of substances such as lead, sulfates, and nitrates can cause lung damage directly or be absorbed into the bloodstream, causing damage elsewhere in the body. Additionally, these substances can transport adsorbed gases, such as chlorides or ammonium, into the lungs, also causing injury. PM_{10} tends to collect in the upper portion of the respiratory system, but $PM_{2.5}$ is so tiny it can penetrate deeper into the lungs and damage lung tissue. Suspended particulates also damage and discolor surfaces on which they settle, and produce haze and reduce regional visibility.

People with influenza, people with chronic respiratory and cardiovascular diseases, and older adults may suffer worsening illness and premature death as a result of breathing particulate matter. People with bronchitis can expect aggravated symptoms from breathing in particulate matter. Children may experience a decline in lung function due to breathing in PM_{10} and $PM_{2.5}$ (EPA 2009).

Lead. Lead in the atmosphere occurs as particulate matter. Sources of lead include leaded gasoline; the manufacturing of batteries, paints, ink, ceramics, and ammunition; and secondary lead smelters. Prior to 1978, mobile emissions were the primary source of atmospheric lead. From 1978 to 1987, the phaseout of leaded gasoline reduced the overall inventory of airborne lead by nearly 95%. With the phaseout of leaded gasoline, secondary lead smelters, battery recycling, and manufacturing facilities are becoming lead-emissions sources of greater concern.

Prolonged exposure to atmospheric lead poses a serious threat to human health. Health effects associated with exposure to lead include gastrointestinal disturbances; anemia; kidney disease; and, in severe cases, neuromuscular and neurological dysfunction. Of particular concern are low-level lead exposures during infancy and childhood. Such exposures are associated with decreases in neurobehavioral performance, including intelligence quotient performance, psychomotor performance, reaction time, and growth. Children are highly susceptible to the effects of lead.

Volatile Organic Compounds. Hydrocarbons are organic gases that are formed from hydrogen and carbon and sometimes other elements. Hydrocarbons that contribute to the formation of O_3 are referred to and regulated as VOCs (also referred to as reactive organic gases). Combustion engine exhaust, oil refineries, and fossil-fueled power plants are the primary sources of hydrocarbons. Other sources of hydrocarbons include evaporation from petroleum fuels, solvents, dry cleaning solutions, and paint.

The primary health effects of VOCs result from the formation of O_3 and its related health effects. High levels of VOCs in the atmosphere can interfere with oxygen intake by reducing the amount of available oxygen through displacement. Carcinogenic forms of hydrocarbons, such as benzene, are considered TACs. There are no separate health standards for VOCs as a group.

Sulfates. Sulfates are the fully oxidized form of sulfur, which typically occur in combination with metals or hydrogen ions. Sulfates are produced from reactions of SO_2 in the atmosphere. Sulfates can result in respiratory impairment and reduced visibility.

Vinyl Chloride. Vinyl chloride is a colorless gas with a mild, sweet odor that has been detected near landfills, sewage plants, and hazardous waste sites due to the microbial breakdown of chlorinated solvents. Short-term exposure to high levels of vinyl chloride in the air can cause nervous system effects such as dizziness, drowsiness, and headaches. Long-term exposure through inhalation can cause liver damage, including liver cancer.

Hydrogen Sulfide. Hydrogen sulfide is a colorless and flammable gas that has a characteristic odor of rotten eggs. Sources of hydrogen sulfide include geothermal power plants, petroleum refineries, sewers, and sewage treatment plants. Exposure to hydrogen sulfide can result in nuisance odors, and headaches and breathing difficulties at higher concentrations.

Visibility-Reducing Particles. Visibility-reducing particles are any particles in the air that obstruct the range of visibility. Effects of reduced visibility can include obscuring the viewshed of natural scenery, reducing airport safety, and discouraging tourism. Sources of visibility-reducing particles are the same as for $PM_{2.5}$, described above.

2.1.2.2 Non-Criteria Air Pollutants

Toxic Air Contaminants. A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute and/or chronic non-cancer health effects. A toxic substance released into the air is considered a TAC. TACs are identified by federal and state agencies based on a review of available scientific evidence. In the State of California, TACs are identified through a two-step process established in 1983 under the Toxic Air Contaminant Identification and Control Act. This two-step process of risk identification and risk management and reduction was designed to protect residents from the health effects of toxic substances in the air. In addition, the California Air Toxics "Hot Spots" Information and Assessment Act, Assembly Bill (AB) 2588, was enacted by the legislature in 1987 to address public concern over the release of TACs into the atmosphere. The law requires facilities emitting toxic substances to provide local air pollution control districts with information that will allow an assessment of the air toxics problem, identification of air toxics emissions sources, location of resulting hotspots, notification of the public exposed to significant risk, and development of effective strategies to reduce potential risks to the public over 5 years.

Examples of TACs include certain aromatic and chlorinated hydrocarbons, certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources, such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources, such as automobiles; and area sources, such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and noncarcinogenic effects. Noncarcinogenic effects typically affect one or more target organ systems and may be experienced on either short-term (acute) or long-term (chronic) exposure to a given TAC.

Diesel Particulate Matter. Diesel particulate matter (DPM) is part of a complex mixture that makes up diesel exhaust. Diesel exhaust is composed of two phases—gas and particle—both of which contribute to health risks. More than 90% of DPM is less than 1 micrometer in diameter (about 1/70th the diameter of a human hair) and, thus, is a subset of $PM_{2.5}$ (CARB 2016a). DPM is typically composed of carbon particles ("soot," also called black carbon) and numerous organic compounds, including more than 40 known cancer-causing organic substances. Examples of these chemicals include polycyclic aromatic hydrocarbons, benzene, formaldehyde, acetaldehyde, acrolein, and 1,3-butadiene (CARB 2016a). Per the California Code of Regulations (CCR), CARB classified "particulate emissions from diesel-fueled engines" (i.e., DPM) (17 CCR 93000) as a TAC in August 1998. DPM is emitted from a broad range of diesel engines, including on-road diesel engines from trucks, buses, and cars; and off-road diesel engines from locomotives, marine vessels, and heavy-duty construction equipment, among others. Approximately 70% of all airborne cancer risk in California is associated with DPM (CARB 2000). To reduce the cancer risk associated with DPM, CARB adopted a diesel risk reduction plan in 2000 (CARB 2000). Because it is part of $PM_{2.5}$, DPM also contributes to the same non-cancer health effects as $PM_{2.5}$ exposure. These effects include premature death; hospitalizations and emergency department visits for exacerbated chronic heart and lung disease, including asthma; increased respiratory symptoms; and decreased lung function in children. Several studies suggest that exposure to DPM may also facilitate development of new allergies (CARB 2016b). Those most vulnerable to non-cancer health effects are children whose lungs are still developing and older adults, who often have chronic health problems.

Odorous Compounds. Odors are generally regarded as an annoyance rather than a health hazard. Manifestations of a person's reaction to odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache). The ability to detect odors varies considerably among the population and, overall, is quite subjective. People may have different reactions to the same odor. An odor that is offensive to one person may be perfectly acceptable to another (e.g., coffee roaster). An unfamiliar odor is more easily detected and is more likely to cause complaints than a familiar one. In a phenomenon known as odor fatigue, a person can become desensitized to almost any odor, and recognition may only occur with an alteration in the intensity. The occurrence and severity of odor impacts depend on the nature, frequency, and intensity of the source; wind speed and direction; and the sensitivity of receptors.

Valley Fever. Coccidioidomycosis, more commonly known as "Valley Fever," is an infection caused by inhalation of the spores of the *Coccidioides immitis* fungus, which grows in the soils of the southwestern United States. The fungus is very prevalent in the soils of California's San Joaquin Valley, particularly in Kern County. Kern County is considered a highly endemic county (i.e., more than 20 cases annually of Valley Fever per 100,000 people) based on the incidence rates reported through 2016 (California Department of Public Health 2017). The ecological factors that appear to be most conducive to survival and replication of the spores are high summer temperatures; mild winters; sparse rainfall; and alkaline, sandy soils.

San Diego County is not considered a highly endemic region for Valley Fever. The latest report from the California Department of Public Health indicated the County had 4.4 cases per 100,000 people (California Department of Public Health 2017). Among the total reported incidents of Valley Fever from 2016 through 2018, fewer than 5.1 cases per 100,000 were in the City of San Diego's zip code (91950) (County of San Diego 2018).

2.1.3 Sensitive Receptors

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution include children, older adults, athletes, and people with cardiovascular and chronic respiratory diseases. Facilities and structures where these air-pollution-sensitive people live or spend considerable amounts of time are known as sensitive receptors. Land uses where air-pollution-sensitive individuals are most likely to spend time include schools and schoolyards, parks and playgrounds, daycare centers, nursing homes, hospitals, and residential communities (sensitive sites or sensitive land uses) (CARB 2005). The SDAPCD identifies sensitive receptors as those who are especially susceptible to adverse health effects from exposure to TACs, such as children, older adults, and the ill. Sensitive receptors include schools (grades Kindergarten through 12), day care centers, nursing homes, retirement homes, health clinics, and hospitals (SDAPCD 2022a). The District defines sensitive receptors in the Port Master Plan as "areas where occupants are more susceptible to the adverse effects of exposure to toxic chemicals, pesticides, noise, and other pollutants. A sensitive receptor includes, but is not limited to, hospitals, schools, daycare facilities, elderly housing, and convalescent facilities, but excludes overnight accommodations" (San Diego Unified Port District 2024). The sensitive receptors within 1.24 miles (2 kilometers) of the project site include residences, Kimball Elementary School, National City Middle School, Central Elementary School, John A Otis Elementary School, Angie's Playhouse Childcare, Kimball Senior Center, and Windsor Gardens Convalescent Center of San Diego.

2.2 Regulatory Setting

2.2.1 Federal Regulations

2.2.1.1 Criteria Air Pollutants

The federal Clean Air Act (CAA), passed in 1970 and last amended in 1990, forms the basis for the national air pollution control effort. The EPA is responsible for implementing most aspects of the CAA, including setting the National Ambient Air Quality Standards (NAAQS) for major air pollutants, hazardous air pollutant standards, motor vehicle emission standards, stationary source emission standards and permits, acid rain control measures, stratospheric O_3 protection, and enforcement provisions, and approval of state attainment plans.

Under the CAA, NAAQS are established for the following criteria pollutants: O_3, CO, NO_2, SO_2, PM_{10}, $PM_{2.5}$, and lead. The NAAQS describes acceptable air quality conditions designed to protect the health and welfare of the citizens of the nation. The CAA requires the EPA to reassess the NAAQS at least every 5 years to determine whether adopted standards are adequate to protect public health based on current scientific evidence. States with areas that exceed the NAAQS must prepare a State Implementation Plan (SIP) that demonstrate how those areas will attain the standards within mandated timeframes.

2.2.1.2 Hazardous Air Pollutants

The 1977 federal CAA amendments required the EPA to identify national emission standards for hazardous air pollutants to protect public health and welfare. Hazardous air pollutants include certain VOCs, pesticides, herbicides, and radionuclides that present a tangible hazard based on scientific studies of exposure to humans and

other mammals. Under the 1990 CAA amendments, which expanded the control program for hazardous air pollutants, 189 substances and chemical families were identified as hazardous air pollutants.

2.2.2 State Regulations

2.2.2.1 Criteria Air Pollutants

The federal CAA delegates the regulation of air pollution control and the enforcement of the NAAQS to the states. In California, the task of air quality management and regulation has been legislatively granted to CARB, with subsidiary responsibilities assigned to air quality management districts and air pollution control districts at the regional and county levels. CARB, which became part of the California Environmental Protection Agency in 1991, is responsible for ensuring implementation of the California Clean Air Act of 1988, responding to the CAA, and regulating emissions from motor vehicles and consumer products.

CARB established the California Ambient Air Quality Standards (CAAQS), which are generally more restrictive than the NAAQS. The CAAQS describes adverse conditions; that is, pollution levels must be below these standards before a basin can attain the standard. Air quality is considered "in attainment" if pollutant levels are continuously below the CAAQS and violate the standards no more than once each year. The CAAQS for O_3, CO, SO_2 (1-hour and 24-hour), NO_2, PM_{10}, $PM_{2.5}$, and visibility-reducing particles are values that are not to be exceeded. All others are not to be equaled or exceeded. The NAAQS and CAAQS are presented in Table 1.

Table 1. Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[a]	National Standards[b]	
		Concentration[c]	Primary[c,d]	Secondary[c,e]
O_3	1 hour	0.09 ppm (180 µg/m³)	—	Same as Primary Standard[f]
	8 hours	0.070 ppm (137 µg/m³)	0.070 ppm (137 µg/m³)[f]	
NO_2[g]	1 hour	0.18 ppm (339 µg/m³)	0.100 ppm (188 µg/m³)	Same as Primary Standard
	Annual Arithmetic Mean	0.030 ppm (57 µg/m³)	0.053 ppm (100 µg/m³)	
CO	1 hour	20 ppm (23 mg/m³)	35 ppm (40 mg/m³)	None
	8 hours	9.0 ppm (10 mg/m³)	9 ppm (10 mg/m³)	
SO_2[h]	1 hour	0.25 ppm (655 µg/m³)	0.075 ppm (196 µg/m³)	—
	3 hours	—	—	0.5 ppm (1,300 µg/m³)
	24 hours	0.04 ppm (105 µg/m³)	0.14 ppm (for certain areas)[g]	—
	Annual	—	0.030 ppm (for certain areas)[g]	—
PM_{10}[i]	24 hours	50 µg/m³	150 µg/m³	Same as Primary Standard
	Annual Arithmetic Mean	20 µg/m³	—	

Table 1. Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[a]	National Standards[b]	
		Concentration[c]	Primary[c,d]	Secondary[c,e]
$PM_{2.5}$[i]	24 hours	—	35 µg/m³	Same as Primary Standard
	Annual Arithmetic Mean	12 µg/m³	9.0 µg/m³	15.0 µg/m³
Lead[j,k]	30-day Average	1.5 µg/m³	—	—
	Calendar Quarter	—	1.5 µg/m³ (for certain areas)[k]	Same as Primary Standard
	Rolling 3-Month Average	—	0.15 µg/m³	
Hydrogen sulfide	1 hour	0.03 ppm (42 µg/m³)	—	—
Vinyl chloride[j]	24 hours	0.01 ppm (26 µg/m³)	—	—
Sulfates	24 hours	25 µg/m³	—	—
Visibility reducing particles	8 hours (10:00 a.m. to 6:00 p.m. PST)	Insufficient amount to produce an extinction coefficient of 0.23 per kilometer due to the number of particles when the relative humidity is less than 70%	—	—

Sources: CARB 2016c; EPA 2016c.

Notes: O_3 = ozone; ppm = parts per million by volume; µg/m³ = micrograms per cubic meter; NO_2 = nitrogen dioxide; CO = carbon monoxide; mg/m³= milligrams per cubic meter; SO_2 = sulfur dioxide; PM_{10} = particulate matter with an aerodynamic diameter less than or equal to 10 microns; $PM_{2.5}$ = particulate matter with an aerodynamic diameter less than or equal to 2.5 microns.

a California standards for O_3, CO, SO_2 (1-hour and 24-hour), NO_2, suspended particulate matter (PM_{10}, $PM_{2.5}$), and visibility-reducing particles are values that are not to be exceeded. All others are not to be equaled or exceeded. California Ambient Air Quality Standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

b National standards (other than O_3, NO_2, SO_2, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once per year. The O_3 standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over 3 years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98% of the daily concentrations, averaged over 3 years, are equal to or less than the standard.

c Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based on a reference temperature of 25 ºC and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25 ºC and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

d National Primary Standards: The levels of air quality necessary, with an adequate margin of safety, to protect the public health.

e National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

f On October 1, 2015, the national 8-hour O_3 primary and secondary standards were lowered from 0.075 to 0.070 ppm.

g To attain the national 1-hour standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 parts per billion (ppb). Note that the national 1-hour standard is in units of ppb. California standards are in units of ppm. To directly compare the national 1-hour standard to the California standards, the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

h On June 2, 2010, a new 1-hour SO_2 standard was established, and the existing 24-hour and annual primary standards were revoked. To attain the national 1-hour standard, the 3-year average of the annual 99th percentile of the one-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until 1 year after an area is designated for the 2010 standard, except that in areas designated nonattainment of the

1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

[i] On February 7, 2024, the national annual $PM_{2.5}$ primary standard was lowered from 12 μg/m³ to 9.0 μg/m³. The existing national 24-hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 μg/m³, as was the annual secondary standard of 15 μg/m³. The existing 24-hour PM_{10} standards (primary and secondary) of 150 μg/m³ were also retained. The form of the annual primary and secondary standards is the annual mean averaged over 3 years.

[j] California Air Resources Board has identified lead and vinyl chloride as toxic air contaminants with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

[k] The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 μg/m³ as a quarterly average) remains in effect until 1 year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

2.2.2.2 Toxic Air Contaminants

A TAC is defined by California law as an air pollutant that may cause or contribute to an increase in mortality or an increase in serious illness, or that may pose a present or potential hazard to human health. Federal laws use "hazardous air pollutant" to refer to the same types of compounds that are referred to as TACs under state law. California regulates TACs primarily through the Tanner Air Toxics Act (AB 1807) and the Air Toxics Hot Spots Information and Assessment Act of 1987 (AB 2588).

AB 1807 sets forth a formal procedure for CARB to designate substances as TACs. This includes research, public participation, and scientific peer review before CARB can designate a substance as a TAC. Pursuant to AB 2588, existing facilities that emit air pollutants above specified levels were required to prepare a TAC emission inventory plan and report; prepare a risk assessment if TAC emissions were significant; notify the public of significant risk levels; and, if health impacts were above specified levels, prepare and implement risk reduction measures.

The following regulatory measures pertain to the reduction of DPM and criteria pollutant emissions from off-road equipment and diesel-fueled vehicles.

Large Spark-Ignition Engine Fleets Regulation (13 CCR 2775)

The CARB Large Spark-Ignition Engine Fleet Requirements Regulation targets emissions reductions from equipment such as forklifts, industrial tow tractors, sweepers/scrubbers, and airport ground support equipment powered by spark-ignition engines of at least 25 horsepower and over 1.0 liter displacement. The regulation mandates that medium and large fleets meet specific Fleet Average Emission Level standards for hydrocarbons and nitrogen oxides, which became progressively stricter from 2009 to 2013. Fleets must report their equipment through CARB's Diesel Off-Road Online Reporting System (DOORS) within 60 days of becoming subject to the regulation, label each unit with an Equipment Identification Number within 30 days, and maintain records.

To comply, fleets can replace older equipment with newer certified engines, retrofit or repower existing units, or incorporate zero-emission equipment, like electric forklifts. Exemptions apply to small fleets (three or fewer units), agricultural in-field forklifts used primarily for farming, rental equipment used for 30 or fewer days annually, and military tactical vehicles. Annual attestation of compliance is required, and CARB provides resources and support through its Off-Road Zone and DOORS hotline.

Clean Truck Check Program

The Clean Truck Check Program, developed by CARB under Senate Bill (SB) 210, is a comprehensive inspection and maintenance regulation for heavy-duty vehicles operating in California. It applies to nearly all diesel and alternative fuel vehicles over 14,000 pounds gross vehicle weight rating (GVWR), including those not registered in California. The program began phased implementation in January 2023 and includes periodic emissions testing, roadside emissions monitoring, and expanded enforcement strategies to ensure vehicles maintain properly functioning emissions control systems. Vehicles flagged as high emitters through roadside monitoring receive a Notice to Submit to Testing and must pass an emissions test within 30 days.

To comply, vehicle owners must report their vehicles to CARB's Clean Truck Check Vehicle Inspection System (CTC-VIS), pay an annual compliance fee, and submit passing emissions tests. Enforcement includes penalties for non-compliance and holds on Department of Motor Vehicle registration. Exemptions exist for zero-emission vehicles, military tactical vehicles, emergency vehicles, historical vehicles, and certain new engines certified to the most stringent NOx standards during the program's initial years. The program is expected to significantly reduce smog-forming and toxic air pollutants, helping California meet the NAAQS and improve public health.

The EPA recently issued a proposal that partially approves and partially disapproves California's Clean Truck Check Program, also known as the Heavy-Duty Inspection and Maintenance (HD I/M) Regulation. Although the EPA supports the regulation as it applies to California-registered vehicles, it raised legal and constitutional concerns about its application to out-of-state and international vehicles operating within California.

Heavy-Duty Omnibus Low NOx Amendments (13 CCR 1956.8, 1971.1, and 1971.5)

CARB's Heavy-Duty Omnibus Low NOx Amendments are a landmark regulation aimed at drastically reducing NOx and particulate matter emissions from medium- and heavy-duty engines starting with the 2024 model year. The regulation lowers NOx standards by 75% and particulate matter standards by 50% compared to 2010 levels; introduces a new low-load certification cycle; and strengthens durability, warranty, and in-use testing requirements. These changes are essential for California to meet the NAAQS for O_3 and $PM_{2.5}$ by 2031. The regulation complements CARB's Advanced Clean Trucks rule by ensuring internal combustion engines emit as little pollution as technologically possible while the state transitions to zero-emission vehicles.

Amendments adopted in 2023 provide manufacturers with flexibility to maintain product availability during the 2024–2026 transition period. These include provisions for "legacy engines" that meet older standards but require offsets through zero-emission credits or community projects, and exemptions for transit agencies under certain conditions. CARB also aligned future standards with the U.S. EPA's Clean Trucks Plan to harmonize national and state requirements. Despite these flexibilities, the regulation is expected to achieve significant long-term NOx reductions—estimated at 17.4 tons per day by 2031 and 45.2 tons per day by 2050—making it the single largest NOx control measure in California's 2016 SIP.

In June 2025, Congress, through the Congressional Review Act, passed resolutions—signed by President Trump—revoking EPA's previously granted CAA waivers that allowed California to enforce its stricter emissions standards for heavy-duty trucks. This action directly impacts CARB's ability to implement the Low NOx Omnibus Regulation, which had been approved by the U.S. EPA and was set to take effect for 2024 model year engines. Disagreeing with Congress' action, California and ten other states filed suit, and the issue is being litigated.

Advanced Clean Fleets Regulation

The Advanced Clean Fleets Regulation, adopted by CARB and effective as of October 1, 2023, is a cornerstone of California's strategy to transition medium- and heavy-duty vehicle fleets to zero-emission vehicles (ZEVs). The regulation applies to state and local government fleets, high-priority and federal fleets, and drayage trucks operating at ports and intermodal railyards. It requires that fleets begin replacing internal combustion engine vehicles with ZEVs as part of their normal turnover schedules. By 2036, the rule mandates that 100% of new medium- and heavy-duty vehicle sales in California be ZEVs, supporting the state's climate and air quality goals. CARB estimates the Advanced Clean Fleets Regulation will introduce approximately 1.69 million ZEVs into California's fleet by 2050, resulting in $26.5 billion in statewide health benefits and $48 billion in fleet owner savings due to reduced fuel and maintenance costs. The regulation provides flexibility through exemptions and compliance pathways, including provisions for infrastructure delays and vehicle availability. However, the rule has faced legal and political challenges, particularly following federal actions to revoke California's CAA waivers. In January 2025 CARB withdrew its request for a CAA waiver needed to enforce parts of the ACF regulation on private, federal, high-priority, and drayage fleets.

Advanced Clean Trucks (13 CCR 1963)

The Advanced Clean Trucks Regulation, originally adopted in 2020, aims to significantly reduce harmful emissions from medium- and heavy-duty vehicles, improve public health, and help California meet its air quality and climate goals. The regulation requires manufacturers of medium- and heavy-duty trucks to sell an escalating portion of their vehicles sales in California as zero-emission vehicles.

The Advanced Clean Trucks Amendments, approved by CARB in May 2025, are designed to maintain the emissions benefits of the original regulation while offering manufacturers greater flexibility in implementation. These amendments responded to user feedback and include changes such as allowing manufacturers to pool zero-emission vehicle (ZEV) and near-zero emission vehicle credits across states that have adopted the Advanced Clean Trucks regulation. They also permit offsetting deficits in the Class 7–8 tractor group with credits from other vehicle classes, adjusting the minimum all-electric range requirements for near-zero emission vehicles in later years, and modifying the order in which credits can be retired.

The amendments are part of CARB's broader strategy to support the transition to zero-emission technologies and uphold commitments made in the Clean Truck Partnership—an agreement with major truck manufacturers to comply with California's clean truck regulations regardless of federal challenges. Despite recent federal actions attempting to revoke California's clean air waivers, CARB remains committed to advancing clean transportation.

On June 12, 2025, Congress officially revoked the EPA waiver for the Advanced Clean Trucks regulation, along with waivers for CARB's Advanced Clean Cars II and Heavy-Duty Omnibus Low NO_x regulations. This action triggered legal challenges from the State of California, which argues that the revocations are unconstitutional and violate the CAA. The legal status of the Advanced Clean Trucks regulation now hinges on pending court decisions regarding the legitimacy of using the Congressional Review Act to overturn EPA waivers.

Portable Equipment Registration Program (13 CCR 2450–2465)

The Portable Equipment Registration Program is a voluntary statewide program administered by CARB that allows owners and operators of portable engines and equipment units—such as generators, air compressors, rock

crushers, and wood chippers—to operate throughout California without needing individual permits from local air districts. This streamlines operations for businesses that frequently move equipment across district boundaries. To qualify, equipment must meet the definition of "portable," meaning it can be moved and does not remain at a single location for more than 12 consecutive months. Although Portable Equipment Registration Program registration exempts equipment from air district permitting in most cases, local air districts retain authority to require permits if the equipment is deemed part of a stationary source or if it exceeds certain thresholds.

The Portable Equipment Registration Program also includes specific eligibility criteria for diesel-fueled engines based on horsepower and emission tier levels, with Tier 4 Final engines being the most compliant. The program has implemented a tier phase-out schedule and fleet average emission standards to reduce particulate matter emissions over time. Fees are assessed for new registrations, renewals, and changes in ownership, and CARB issues color-coded placards to identify engine tiers. Recordkeeping and reporting requirements apply, especially for emergency-use and low-use engines. Although the Portable Equipment Registration Program simplifies regulatory compliance for mobile operations, coordination with local air districts is still essential for certain projects and locations.

Idling of Commercial Heavy-Duty Trucks (13 CCR 2485)

In July 2004, CARB adopted the Airborne Toxic Control Measure (ATCM) to control emissions from idling trucks. The ATCM prohibits idling for more than 5 minutes for all commercial trucks with a gross vehicle weight rating over 10,000 pounds. The ATCM contains an exception that allows trucks to idle while queuing or involved in operational activities.

In-Use Off-Road Diesel-Fueled Fleets (13 CCR 2449 et seq.)

In July 2007, CARB adopted an ATCM for in-use off-road diesel vehicles. This regulation requires that specific fleet average requirements be met for NO_x emissions and for particulate matter emissions. Where average requirements cannot be met, best available control technology requirements apply. The regulation also includes several recordkeeping and reporting requirements.

In response to AB 8 2X, the regulations were revised in July 2009 (effective December 3, 2009) to allow a partial postponement of the compliance schedule in 2011 and 2012 for existing fleets. On December 17, 2010, CARB adopted additional revisions to further delay the deadlines for reductions in diesel emissions because of the poor economy and overestimates of diesel emissions in California. The revisions delayed the first compliance date until no earlier than January 1, 2014, for large fleets, with final compliance by January 1, 2023. The compliance dates for medium fleets were delayed until an initial date of January 1, 2017, and final compliance date of January 1, 2023. The compliance dates for small fleets were delayed until an initial date of January 1, 2019, and final compliance date of January 1, 2028. Correspondingly, the fleet average targets were made more stringent in future compliance years. The revisions also accelerated the phaseout of older equipment with newer equipment added to existing large and medium fleets over time, requiring the addition of Tier 2 or higher engines starting on March 1, 2011, with some exceptions; Tier 2 or higher engines on January 1, 2013, without exception; and Tier 3 or higher engines on January 1, 2018 (January 1, 2023, for small fleets).

On October 28, 2011 (effective December 14, 2011), an Executive Officer approved amendments to the regulation. The amendments included revisions to the applicability section and additions and revisions to the definition. The initial date for requiring the addition of Tier 2 or higher engines for large and medium fleets, with some exceptions,

was revised to January 1, 2012. New provisions also allow for the removal of emission control devices for safety or visibility purposes. The regulation was also amended to combine the particulate matter and NO_x fleet average targets under one, instead of two, sections. The amended fleet average targets are based on the fleet's NO_x fleet average, and the previous section regarding particulate matter performance requirements was deleted completely. The best available control technology requirements, if a fleet cannot comply with the fleet average requirements, were restructured and clarified. Other amendments to the regulations included minor administrative changes to the regulatory text.

In 2023, CARB finalized amendments to the In-Use Off-Road Diesel-Fueled Fleets Regulation, which took effect on October 1, 2023, with enforcement beginning January 1, 2024. These updates include a tier phase-out schedule that prohibits the use of the oldest and highest-emitting engines—Tier 0, 1, and 2—based on fleet size, with Tier 0 engines banned for large fleets starting in 2024. The amendments also expanded restrictions on adding vehicles: Tier 3 engines can no longer be added to any fleet, and medium and large fleets are barred from adding Tier 4 interim engines and model year 2006 or older on-road vehicles. Additionally, fleets must now procure and use renewable diesel in all applicable vehicles, with limited exceptions for availability and cold weather. These changes aim to further reduce NOx and particulate matter emissions and help California meet its air quality goals.

In-Use On-Road Diesel-Fueled Vehicles (13 CCR 2025)

On December 12, 2008, CARB adopted an ATCM to reduce NO_x and particulate matter emissions from most in-use on-road diesel trucks and buses with a gross vehicle weight rating greater than 14,000 pounds. The original ATCM regulation required fleets of on-road trucks to limit their NO_x and particulate matter emissions through a combination of exhaust retrofit equipment and new vehicles. The regulation limited particulate matter emissions for most fleets by 2011, and limited NO_x emissions for most fleets by 2013. The regulation did not require any vehicle to be replaced before 2012, and never required all vehicles in a fleet be replaced.

In December 2009, the CARB Governing Board directed staff to evaluate amendments that would provide additional flexibility for fleets adversely affected by the struggling California economy. On December 17, 2010, CARB revised this ATCM to delay its implementation, along with limited relaxation of its requirements. Starting on January 1, 2015, lighter trucks with a gross vehicle weight rating of 14,001 to 26,000 pounds with 20-year-old or older engines needed to be replaced with newer trucks (2010 model year emissions equivalent as defined in the regulation). Trucks with a gross vehicle weight rating greater than 26,000 pounds with 1995 model year or older engines needed to be replaced as of January 1, 2015. Trucks with 1996 to 2006 model year engines must install a Level 3 (85% control) diesel particulate filter starting on January 1, 2012, to January 1, 2014, depending on the model year, and then must be replaced after 8 years. Trucks with 2007 to 2009 model year engines had no requirements until 2023, at which time they had to be replaced with 2010 model year emissions-equivalent engines, as defined in the regulation. Trucks with 2010 model year engines meet the final compliance requirements. The ATCM provides a phase-in option under which a fleet operator equips a percentage of trucks in the fleet with diesel particulate filters, starting at 30% as of January 1, 2012, with 100% by January 1, 2016. Under each option, delayed compliance was granted to fleet operators who would comply with requirements before the required deadlines.

On September 19, 2011 (effective December 14, 2011), the Executive Officer approved amendments to the regulations, including revisions to the compliance schedule for vehicles with a gross vehicle weight rating of 26,000 pounds or less to clarify that *all* vehicles must be equipped with 2010 model year emissions equivalent engines by 2023. The amendments included revised and additional credits for fleets that have downsized;

implement early particulate matter retrofits; incorporate hybrid vehicles, alternative-fueled vehicles, and vehicles with heavy-duty pilot ignition engines; and implement early addition of newer vehicles. The amendments included provisions for additional flexibility, such as for low-usage construction trucks, and revisions to previous exemptions, delays, and extensions. Other amendments to the regulations included minor administrative changes to the regulatory text, such as recordkeeping and reporting requirements related to other revisions.

California Health and Safety Code Section 41700

California Health and Safety Code Section 41700 states that a person must not discharge from any source whatsoever quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public; or that endanger the comfort, repose, health, or safety of any of those persons or the public; or that cause, or have a natural tendency to cause, injury or damage to business or property. This code section also applies to sources of objectionable odors.

2.2.3 Local Regulations

2.2.3.1 San Diego Unified Port District

The Port Master Plan (San Diego Unified Port District 2024) is the governing land use document for physical development within the District; however, there are also other District programs that apply to air quality, and the District's Climate Action Plan (CAP) has co-benefits to air quality (San Diego Unified Port District 2013). The District developed the Green Port Program to support the goals of the Green Port Policy, which was adopted in 2008. The Green Port Program supports resource conservation, waste reduction, and pollution prevention. The Clean Air Program provides a framework for the District's commitment to reducing air emissions, through which control measures have been implemented to reduce air emissions, building on regulatory and voluntary efforts.

Maritime Clean Air Strategy

The Maritime Clean Air Strategy (MCAS) is a strategic planning document, adopted by the Board of Port Commissioners (Board) on October 12, 2021, that identifies short-term and long-term goals and objectives intended to facilitate achievement of a clean, sustainable, and modern seaport.[3] The MCAS identifies aspirational goals to reduce baseline air emissions from the operation of maritime businesses, that negatively impact air quality, primarily at the District's two marine cargo terminals (Tenth Avenue Marine Terminal [TAMT] and National City Marine Terminal [NCMT]). The goals and objectives of the MCAS specifically target the reduction of DPM emissions from the main sources of emissions from maritime operations: heavy-duty trucks, rail, cargo handling equipment, harbor craft, the District's vehicle fleet and equipment, shipyards (maritime industrial uses) and ocean-going vessels.

Additionally, as the MCAS is a strategic plan, implementation is subject to future Board actions, as well as regular check-ins on a variety of topics, including feasibility of implementation.

[3] It should be noted that MCAS was found to be exempt from CEQA review pursuant to State CEQA Guidelines Section 15262 (Feasibility and Planning Studies). Section 15262 exempts projects "involving only feasibility or planning studies for possible future actions which the agency, board, or commission has not approved, adopted, or funded…." Use of this exemption allows for the avoidance of costly environmental review under CEQA when a study – here, the MCAS – does no more than contain preliminary, non-binding recommendations. Hence, the MCAS is an aspirational plan that does not contain binding requirements.

The MCAS assumes the following conditions and advancements will be in place in support of the successful deployment of zero-emission technologies at the District and to meet the MCAS' long-term goals:

Capability: The state of technology meets the load, daily mileage, and hours of operations requirements, including cargo movements within the marine cargo terminals, and ZEV Class 8 trucks will be in place for cargo transported to and from the marine cargo terminals.

Infrastructure: ZEVs and equipment. Additionally, it assumes technologies and markets will continue to mature.

Commercial availability: Commercial availability of vehicles and equipment will have increased, particularly with specialized equipment such as electric top handlers and auto carrier trucks.

Education training: There will be an adequate number of trained service personnel to repair and maintain zero-emission equipment and vehicles to ensure that there is no undue disruption of cargo and maritime operations.

While the MCAS focuses on advancing near-term objectives that will help accelerate the deployment of zero- and near-zero-emission technologies, the MCAS envisions that these advancements will be in place to support successful implementation of the MCAS goals and that there will be sufficient contributions from other parties.

In alignment with its Vision Statement, *"Health Equity for All,"* the MCAS is intended to guide future District decision-making and "provide a planning framework for potential future actions that may be implemented to achieve the goals and objectives identified in the MCAS." The MCAS also recognizes that various means may be employed or pursued by the District to reduce emissions (including the adoption of regulatory standards, purchase of equipment, or strategic partnerships). Accordingly, an individual project would not necessarily impede or obstruct achievement of the MCAS' goals or the ability of the District to consider, approve, and implement projects and/or initiatives toward achievement of the MCAS goals and objectives. The MCAS also anticipates that "technological advances will result in additional options for implementation toward achievement of near-term goals and objectives." To that end, the MCAS represents a strategy to be pursued by the District, through a variety of future means, measures, projects, and initiatives.[4]

2.2.3.2 San Diego County Air Pollution Control District

Although CARB is responsible for the regulation of mobile emission sources within California, local air quality management districts and air pollution control districts are responsible for enforcing standards and regulating stationary sources. The project site is in the SDAB and is subject to the guidelines and regulations of the SDAPCD.

In San Diego County, O_3 and particulate matter are the pollutants of main concern because exceedances of CAAQS for those pollutants have been observed in most years. For this reason, the SDAB has been designated as a nonattainment area for the state PM_{10}, $PM_{2.5}$, and O_3 standards. The SDAB is also a federal O_3 attainment (maintenance) area for 1997 8-hour O_3 standard, an O_3 nonattainment area for the 2008 8-hour O_3 standard, and a CO maintenance area (western and central part of the SDAB only, including the project site).

[4] The MCAS defines "strategy" as a "generic term that encompasses plans, projects, programs, partnership, and various other efforts and initiatives that will help achieve a goal."

Federal Attainment Plans

In October 2020, the SDAPCD adopted an update to the Eight-Hour Ozone Attainment Plan for San Diego County (2015 O_3 NAAQS), which indicated that local controls and state programs would allow the region to reach attainment of the federal 8-hour O_3 standard (2008 O_3 NAAQS) by 2026 and 2032 (2015 O_3 NAAQS) (SDAPCD 2020). In this plan, SDAPCD relies on the Regional Air Quality Strategy (RAQS) to demonstrate how the region will comply with the federal O_3 standard. The RAQS details how the region will manage and reduce O_3 precursors (NO_x and VOCs) by identifying measures and regulations intended to reduce these pollutants. The control measures identified in the RAQS generally focus on stationary sources; however, the emissions inventories and projections in the RAQS address all potential sources, including those under the authority of CARB and the EPA (SDAPCD 2022b). Incentive programs for reduction of emissions from heavy-duty diesel vehicles, off-road equipment, and school buses are also established in the RAQS.

Currently, San Diego County is designated as severe nonattainment for the 2008 and 2015 NAAQS and maintenance for the 1997 NAAQS. As documented in the 2020 Eight-Hour Ozone Attainment Plan for San Diego County, San Diego County has a likely chance of obtaining attainment due to the transition to low-emission cars, stricter new source review rules, and continuing the requirement of general conformity for military growth and the San Diego International Airport. The County will also continue emission control measures, including ongoing implementation of existing regulations in O_3 precursor reduction to stationary and area-wide sources, subsequent inspections of facilities and sources, and the adoption of laws requiring best available retrofit control technology for control of emissions (SDAPCD 2020).

State Attainment Plans

The SDAPCD and the San Diego Association of Governments (SANDAG) are responsible for developing and implementing the clean air plan for attainment and maintenance of the ambient air quality standards in the SDAB. The RAQS for the SDAB was initially adopted in 1991 and is updated triennially, most recently in 2022 (SDAPCD 2022b).

The 2022 RAQS updates the region's plan to meet the CAAQS for O_3. Because San Diego remains a nonattainment area, the California Clean Air Act requires periodic revisions to RAQS to ensure the implementation of all feasible control measures for reducing emissions of O_3 precursors—namely NOx and VOCs—from stationary sources. The 2022 update builds on previous revisions (1995, 1998, 2001, 2004, 2009, and 2016) and incorporates new feasible control measures based on updated assessments of technology, cost-effectiveness, and emission reduction potential (SDAPCD 2016, 2022b).

This revision ensures continued compliance with the "all feasible measures" mandate and outlines a tentative schedule for future regulatory actions. These potential control measures will be evaluated and, if appropriate, developed into proposed rules for consideration by the SDAPCD Board. The strategy was approved on March 9, 2023, and an Environmental Impact Report was prepared in accordance with CEQA, confirming that the project would not have a significant environmental impact.

As of now, the 2022 RAQS for the SDAPCD has not yet been fully approved by the EPA as part of the California SIP. Although the EPA maintains a list of approved rules and regulations for SDAPCD, the 2022 RAQS does not appear in the most recent updates to the SIP approval tables.

SDAPCD Rules and Regulations

As stated above, the SDAPCD is responsible for planning, implementing, and enforcing federal and state ambient standards in the SDAB. The following rules and regulations apply to all sources in the jurisdiction of the SDAPCD and would apply to the proposed project.

SDAPCD Regulation II: Permits; Rule 20.2: New Source Review Non-Major Stationary Sources

This rule requires new or modified stationary-source units (that are not major stationary sources) with the potential to emit 10 pounds per day or more of VOC, NO_x, SO_x, or PM_{10} to be equipped with best available control technology. For those units with a potential to emit above air quality impact assessments trigger levels, the units must demonstrate that such emissions would not violate or interfere with the attainment of any national air quality standard (SDAPCD 2019).

The proposed project does not propose specific stationary sources. If stationary sources were to be included as part of the project, or at a later date, those sources would be subject to Rule 20.2 and would require appropriate operating permits from the SDAPCD. Because the SDAPCD has not adopted specific criteria air pollutant thresholds for CEQA analyses, the thresholds identified in Rule 20.2 were used in this analysis as screening-level thresholds to evaluate project-level impacts, as discussed in Section 2.4.1, Thresholds of Significance.

SDAPCD Regulation IV: Prohibitions; Rule 50: Visible Emissions

This rule prohibits discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than 3 minutes in any period of 60 consecutive minutes that is darker in shade than that designated as Number 1 on the Ringelmann Chart, as published by the U.S. Bureau of Mines, or of such opacity as to obscure an observer's view to a degree greater than does smoke of a shade designated as Number 1 on the Ringelmann Chart (SDAPCD 1997).

Construction of the project may result in visible emissions, primarily during earth-disturbing activities, which would be subject to SDAPCD Rule 50. Although visible emissions are less likely to occur during operation of the project, compliance with SDAPCD Rule 50 would be required during both construction and operation.

SDAPCD Regulation IV: Prohibitions; Rule 51: Nuisance

This rule prohibits the discharge, from any source, of such quantities of air contaminants or other materials that cause or tend to cause injury, detriment, nuisance, or annoyance to people and/or the public, or damage to any business or property (SDAPCD 1969).

Any criteria air pollutant emissions, TAC emissions, or odors generated during construction or operation of the project would be subject to SDAPCD Rule 51. Violations can be reported to the SDAPCD as an air quality complaint by telephone, email, or online form. Complaints are investigated by the SDAPCD as soon as possible.

SDAPCD Regulation IV: Prohibitions; Rule 55: Fugitive Dust

This rule regulates fugitive dust emissions from any commercial construction or demolition activity capable of generating fugitive dust emissions, including active operations, open storage piles, and inactive disturbed areas, as well as track-out and carry-out onto paved roads beyond a project site (SDAPCD 2009).

Construction of the project, primarily during earth-disturbing activities, may result in fugitive dust emissions that would be subject to SDAPCD Rule 55. Fugitive dust emissions are not anticipated during operation of the project.

SDAPCD Regulation IV: Prohibitions; Rule 67.0.1: Architectural Coatings

Rule 67.0.1 requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories (SDAPCD 2021a).

SDAPCD Regulation XII: Toxic Air Contaminants; Rule 1200: Toxic Air Contaminants – New Source Review

This rule requires new or modified stationary source units with the potential to emit TACs above rule threshold levels to either demonstrate that they will not increase the maximum incremental cancer risk above 1 in 1 million at every receptor location, demonstrate that toxics best available control technology will be employed if maximum incremental cancer risk is equal to or less than 10 in 1 million, or demonstrate compliance with SDAPCD's protocol for those sources with an increase in maximum incremental cancer risk at any receptor location of greater than 10 in 1 million but less than 100 in 1 million (SDAPCD 2025a).

The proposed project does not currently include specific stationary sources that would generate TACs not commonly associated with electric vehicle (EV) charging projects. If stationary sources with the potential to emit TACs were to be included as part of the proposed project—or if they were added at a later date—those sources would be subject to SDAPCD Rule 1200 and would be subject to new source review requirements.

SDAPCD Regulation XII: Toxic Air Contaminants; Rule 1210: Toxic Air Contaminant Public Health Risks – Public Notification and Risk Reduction

This rule requires each stationary source required to prepare a public risk assessment to provide written public notice of risks at or above the following levels: maximum incremental cancer risks equal to or greater than 10 in 1 million, cancer burden equal to or greater than 1.0, total acute non-cancer health hazard index equal to or greater than 1.0, or total chronic non-cancer health hazard index equal to or greater than 1.0 (SDAPCD 2025b).

The proposed project does not currently include specific stationary sources that would generate TACs. If stationary sources with the potential to emit TACs were to be included as part of the project—or if they were added at a later date—those sources would be subject to SDAPCD Rule 1210 and would be subject to public notification and risk reduction requirements.

Portside Community Emissions Reduction Plan

The Portside Community Emissions Reduction Plan (CERP) contains detailed information and strategies that are intended to reduce air pollution emissions and community exposure to air pollution in the Portside community environmental justice neighborhoods. The goals in the CERP are aspirational and are intended to guide community members, businesses, organizations, and government agencies partnering in implementation of the CERP to support health and environmental justice in the Portside community. Although there might not be a clear path to reach some of these goals, the goals identify the direction in which the community wants to go to achieve emissions reductions beyond regulatory requirements. As technology evolves and data continues to be collected, the goals in

the CERP may be adjusted (SDAPCD 2021b). CERP goals include reducing TAC emissions in the community, supporting electric freight truck infrastructure and upgrades, quantifying health risk from Port of San Diego (Port) and non-Port activities, establishing health risk reduction goals, and implementing actions to achieve those goals (SDAPCD 2021b). The Portside community's CERP was approved by the SDAPCD Governing Board in July 2021 and approved by CARB's Governing Board in October 2021 (CARB 2021b).

2.2.3.3 San Diego Association of Governments

SANDAG is the regional planning agency for the County and serves as a forum for regional issues relating to transportation, the economy, community development, and the environment. SANDAG serves as the federally designated metropolitan planning organization for the County. With respect to air quality planning and other regional issues, SANDAG prepared San Diego Forward: The Regional Plan (Regional Plan) for the San Diego region which was adopted by the SANDAG Board of Directors on December 12, 2025 (SANDAG 2025). The Regional Plan combines the big-picture vision for how the region will grow over the upcoming years with an implementation program to help make that vision a reality. The Regional Plan, including its Sustainable Communities Strategy (SCS), is built on an integrated set of public policies, strategies, and investments to maintain, manage, and improve the transportation system so that it meets the diverse needs of the San Diego region through 2050.

In regard to air quality, the Regional Plan sets the policy context that SANDAG participates in, responds to the SDAPCD's air quality plans, and builds off the SDAPCD's air quality plan processes that are designed to meet health-based criteria pollutant standards (SANDAG 2015). The Regional Plan complements air quality plans by providing guidance and incentives for public agencies to consider best practices that support technology-based control measures in air quality plans. It also emphasizes the need for better coordination of land use and transportation planning, which heavily influences the emissions inventory from the transportation sectors of the economy. This also minimizes land use conflicts, such as residential development near freeways, industrial areas, or other sources of air pollution.

The 2025 Regional Plan is the latest adopted plan and provides a long-term blueprint for the San Diego region that seeks to meet regulatory requirements; address traffic congestion; and create equal access to jobs, education, healthcare, and other community resources (SANDAG 2025). The Regional Plan is the result of years of planning, data analysis, and community engagement to reimagine the San Diego region with a transformative transportation system, a sustainable pattern of growth and development, and innovative demand and management strategies.

The 2025 Regional Plan includes an SCS, as required by SB 375, for the San Diego region. This SCS describes coordinated transportation and land use planning that exceeds the state's target for reducing per-capita GHG emissions set by CARB. The state-mandated target is a 19% reduction—compared with 2005—in per-capita GHG emissions from cars and light-duty trucks by 2035. The 2025 Regional Plan aims to achieve a 19% reduction by 2035.

The 2025 Regional Plan also puts forth a forecasted development pattern driven by regional goals for sustainability, mobility, housing affordability, and economic prosperity. With an estimated cost of $126 billion, the plan aims to expand high-frequency transit service, add 35 new Rapid bus routes, improve rural and on-demand transportation options, and develop a complete network of managed lanes to enhance highway reliability. It also includes programs like the Youth Opportunity Pass and investments in bike and pedestrian infrastructure. The plan emphasizes equity, sustainability, and fiscal responsibility while ensuring eligibility for federal and state funding for major infrastructure projects.

2.3 Regional and Local Air Quality Conditions

2.3.1 San Diego Air Basin Attainment Designation

Pursuant to the 1990 federal CAA amendments, the EPA classifies air basins (or portions thereof) as "attainment" or "nonattainment" for each criteria air pollutant, based on whether the NAAQS have been achieved. Generally, if the recorded concentrations of a pollutant are lower than the standard, the area is classified as "attainment" for that pollutant. If an area exceeds the standard, the area is classified as "nonattainment" for that pollutant. If there is not enough data available to determine whether the standard is exceeded in an area, the area is designated as "unclassified" or "unclassifiable." The designation of "unclassifiable/attainment" means that the area meets the standard or is expected to be meet the standard despite a lack of monitoring data. Areas that achieve the standards after a nonattainment designation are redesignated as maintenance areas and must have approved maintenance plans to ensure continued attainment of the standards. The California Clean Air Act, like its federal counterpart, called for the designation of areas as "attainment" or "nonattainment," but based on the CAAQS rather than the NAAQS. Table 2 depicts the current attainment status of the SDAB with respect to the NAAQS and CAAQS.

Table 2. San Diego Air Basin Attainment Classification

Pollutant	Designation/Classification	
	Federal Standard	State Standard
Ozone (O_3) – 1 hour	Attainment	**Nonattainment**
O_3 – (8 hour)	**Nonattainment (severe)**	**Nonattainment**
Nitrogen Dioxide (NO_2)	Unclassifiable/attainment	Attainment
Carbon Monoxide (CO)	Attainment (maintenance)	Attainment
Sulfur Dioxide (SO_2)	Unclassifiable/attainment	Attainment
Coarse Particulate Matter (PM_{10})	Unclassifiable/attainment	**Nonattainment**
Fine Particulate Matter ($PM_{2.5}$)	Unclassifiable/attainment	**Nonattainment**
Lead	Unclassifiable/attainment	Attainment
Hydrogen Sulfide	No federal standard	Attainment
Sulfates	No federal standard	Unclassified
Visibility-Reducing Particles	No federal standard	Unclassified
Vinyl Chloride	No federal standard	No designation

Sources: EPA 2025 (federal); CARB 2025a (state).
Notes: Attainment = meets the standards; Attainment (maintenance) = achieved the standards after a nonattainment designation; Nonattainment = does not meet the standards; Unclassified or Unclassifiable = insufficient data to classify; Unclassifiable/ attainment = meets the standard or is expected to be meet the standard despite a lack of monitoring data.
If nonattainment for federal standards, a clarifying classification will be provided indicating the severity of the nonattainment status.

In summary, the SDAB is designated as an attainment area for the 1997 8-hour O_3 NAAQS and as a nonattainment area for the 2008 and 2015 8-hour O_3 NAAQS. The SDAB is designated as a nonattainment area for O_3, PM_{10}, and $PM_{2.5}$ CAAQS. The portion of the SDAB where the proposed project would be located is designated as attainment or unclassifiable/unclassified for all other criteria pollutants under the NAAQS and CAAQS (CARB 2025a; EPA 2025).

2.3.2 Local Ambient Air Quality

CARB, air districts, and other agencies monitor ambient air quality at approximately 250 air quality monitoring stations across the state. Local ambient air quality is monitored by the SDAPCD. The SDAPCD operates a network of ambient air monitoring stations throughout San Diego County that measure ambient concentrations of pollutants and determine whether the ambient air quality meets the CAAQS and NAAQS. The nearest SDAPCD-operated monitoring station to the project site is the Chula Vista monitoring station, which is approximately 5 miles southeast of the project site. This Chula Vista monitoring station was used to show the background ambient air quality for O_3, PM_{10}, $PM_{2.5}$, and NO_2 for the project site. The monitoring station located on First Street was the closest to the project site that monitored SO_2 (12 miles east of the project site). The San Ysidro monitoring station is the closest to the site that monitors CO. Table 3 presents the most recent background ambient air quality data and number of days exceeding the ambient air quality standards from 2022 to 2024.

Table 3. Local Ambient Air Quality Data

Averaging Time	Unit	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year[c]		
				2022	2023	2024	2022	2023	2024
Ozone (O_3) – Chula Vista									
Maximum 1-hour concentration	ppm	State	0.09	0.078	0.082	0.084	0	0	0
Maximum 8-hour concentration	ppm	State	0.070	0.067	0.074	0.068	0	1	0
		Federal	0.070	0.066	0.074	0.068	0	1	0
Nitrogen Dioxide (NO_2) – Chula Vista									
Maximum 1-hour concentration	ppm	State	0.18	0.052	0.052	0.043	0	0	0
		Federal	0.100	0.053	0.052	0.043	0	0	0
Annual concentration	ppm	State	0.030	0.009	0.008	0.007	0	0	0
		Federal	0.053	0.010	0.008	0.007	0	0	0
Carbon Monoxide (CO) – El Cajon/San Ysidro[b]									
Maximum 1-hour concentration	ppm	State	20	1.4	2.7	3.3	0	0	0
		Federal	35	1.4	2.7	3.3	0	0	0
Maximum 8-hour concentration	ppm	State	9.0	1.1	2.1	2.8	0	0	0
		Federal	9	1.1	2.1	2.8	0	0	0
Sulfur Dioxide (SO_2) – First Street									
Maximum 1-hour concentration	ppm	Federal	0.075	0.001	0.001	0.001	0	0	0
Maximum 24-hour concentration	ppm	State	0.04	0.0003	0.0003	0.0004	0	0	0
	ppm	Federal	0.140	0.0003	0.0003	0.0004	0	0	0
Annual concentration	ppm	Federal	0.030	0.0001	0.0001	0.0001	N/A	N/A	N/A
Coarse Particulate Matter (PM_{10})[a] – Chula Vista									
Maximum 24-hour concentration	µg/m³	State	50	38	51	57	0	0	0
		Federal	150	38	51	57	0	0	0

Table 3. Local Ambient Air Quality Data

Averaging Time	Unit	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year[c]		
				2022	2023	2024	2022	2023	2024
Annual concentration	µg/m³	State	20	N/A	N/A	N/A	N/A	N/A	N/A
Fine Particulate Matter ($PM_{2.5}$)[a] – Chula Vista									
Maximum 24-hour Concentration	µg/m³	Federal	35	16.2	25.5	28.8	0	0	0
Annual Concentration	µg/m³	State	12	N/A	N/A	N/A	N/A	N/A	N/A
		Federal	9.0	8.3	8.8	9.9	0	0	0

Sources: CARB 2025b; EPA 2024a.
Notes: ppm = parts per million; µg/m3 = micrograms per cubic meter; N/A = not available.
Data taken from CARB iADAM (http://www.arb.ca.gov/adam) and Environmental Protection Agency AirData (http://www.epa.gov/airdata/) represent the highest concentrations experienced over a given year.
Daily exceedances for particulate matter are estimated days because PM_{10} and $PM_{2.5}$ are not monitored daily. All other criteria pollutants did not exceed federal or state standards during the years shown. There is no federal standard for 1-hour O_3, annual PM_{10}, or 24-hour SO_2, nor is there a state 24-hour standard for $PM_{2.5}$.

[a] Measurements of PM_{10} and $PM_{2.5}$ are usually collected every 6 days and every 1 to 3 days, respectively. Number of days exceeding the standards is a mathematical estimate of the number of days concentrations would have been greater than the level of the standard had each day been monitored.

[b] The San Ysidro monitoring station is the closest to the project site but data is only available for 2023 and 2024. The El Cajon monitoring station was the closest for 2022.

[c] The exceedances are the number of days the standards were exceeded.

2.4 Significance Criteria and Methodology

2.4.1 Thresholds of Significance

The significance criteria used to evaluate the proposed project's impacts to air quality are based on the CEQA Guidelines Appendix G Checklist questions. A project would result in significant impacts to air quality if it would:

1. Conflict with or obstruct implementation of the applicable air quality plan?
2. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?
3. Expose sensitive receptors to substantial pollutant concentrations?
4. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

The District has not developed CEQA thresholds of significance for air quality or health risk. The SDAPCD has also not developed specific thresholds of significance to evaluate construction or operational air quality impacts within CEQA documents; however, SDAPCD's Regulation II, Rules 20.2 and 20.3 (new source review for non-major and major stationary sources, respectively), outline Air Quality Impact Analysis trigger levels for criteria pollutants for new or modified sources, based on emissions levels identified under the New Source Review program (SDAPCD 2019, 2022c). The County of San Diego established screening level thresholds based on SDAPCD Air Quality Impact Analysis trigger levels in its 2007 air quality guidelines for determining significance (County of San Diego 2007).

The SDAPCD amended Rule 20.2 in 2018 to include a $PM_{2.5}$ Air Quality Impact Analysis of 67 pounds per day; however, the County recommends a $PM_{2.5}$ screening level threshold of 55 pounds per day based on EPA's Proposed Rule to Implement the Fine Particle National Ambient Air Quality Standards, published in 2005 (County of San Diego 2007), which is also consistent with South Coast Air Quality Management District's Air Quality Significance Thresholds (SCAQMD 2023). The County's $PM_{2.5}$ threshold is lower than and is consistent with other CEQA analyses at the District; therefore, it is applied herein. The County also recommends a VOC screening level threshold based on the threshold of significance for VOCs from the South Coast Air Quality Management District for the Coachella Valley, which the SDAPCD Air Quality Impact Analysis does not establish. In summary, the County's air quality thresholds, based on SDAPCD guidance, are applied herein to evaluate the significance of the project's criteria air pollutant emissions. The County's air quality thresholds shown in Table 4 were used to determine significance of project-generated construction and operational criteria air pollutants, specifically, the proposed project's potential to violate any air quality standard or contribute substantially to an existing or projected air quality violation (as assessed under the threshold criterion b).

Table 4. San Diego County Air Quality Significance Thresholds for Construction and Operational Emissions

Pollutant	Total Emissions (Pounds per Day)
Respirable Particulate Matter (PM_{10})	100
Fine Particulate Matter ($PM_{2.5}$)	55
Oxides of Nitrogen (NO_x)	250
Oxides of Sulfur (SO_x)	250
Carbon Monoxide (CO)	550
Volatile Organic Compounds (VOCs)	75

Source: County of San Diego 2007.
The air quality section of the CEQA significance determination thresholds recognizes attainment status designations for the SDAB and its nonattainment status for O3 and particulate matter. As such, CEQA recognizes that all new projects should include measures, pursuant to CEQA, to reduce project-related emissions of O3 precursors and particulate matter to ensure new development does not contribute to San Diego's nonattainment status for these pollutants. As part of its air quality permitting process, the SDAPCD has established thresholds in Rule 20.2 requiring the preparation of Air Quality Impact Assessments for permitted stationary sources (SDAPCD 2019). The SDAPCD sets forth quantitative emissions thresholds below which a stationary source would not have a significant impact on ambient air quality. Project-related air quality impacts estimated in this environmental analysis would be considered significant if any of the applicable significance thresholds presented in Table 4 are exceeded.

The thresholds listed in Table 4 represent screening-level thresholds that can be used to evaluate whether project-related emissions could cause a significant impact on air quality. Emissions below the screening-level thresholds would not cause a significant impact. For nonattainment pollutants, if emissions exceed the thresholds shown in Table 4, the proposed project could have the potential to result in a cumulatively considerable net increase in these pollutants and, thus, could have a significant impact on ambient air quality.

With respect to odors, SDAPCD Rule 51 (Public Nuisance) prohibits emission of any material that causes nuisance to a considerable number of persons or endangers the comfort, health, or safety of any person. A project that proposes a use that would produce objectionable odors would be deemed to have a significant odor impact if it would affect a considerable number of off-site receptors.

The SDAPCD document, Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments, provides guidance on how to perform health risk assessments within the SDAB. The current SDAPCD thresholds of significance for TAC emissions from the operations of both permitted and non-permitted sources are

combined and are less than 10 in 1 million for cancer and less than 1.0 for the chronic hazard index (SDAPCD 2022a).

2.4.2 Approach and Methodology

2.4.2.1 Construction

Emissions from the construction phase of the project were estimated using the California Emissions Estimator Model (CalEEMod) Version 2022.1.1.29 (CAPCOA 2024).

As described in Section 1.2, Project Description, the project would include zero-emission truck charging, a photovoltaic canopy, a BESS, a convenience store, and infrastructure improvements. For modeling purposes, it was assumed that construction of the project would commence in August 2026[5] and would last approximately 10 months, ending in May 2027. The project was assumed to be constructed in one phase and be based on the following assumptions (durations are approximate):

- **Trenching:** 1 month
- **Building construction:** 6 months
- **Paving:** 5 months
- **Architectural coating:** 1 month

The estimated construction duration was provided by the project applicant. Detailed construction equipment modeling assumptions are provided in Attachment A, CalEEMod Outputs. The construction equipment mix used for estimating the construction emissions of the proposed project is based on CalEEMod default values per construction phase and is shown in Table 5.

Table 5. Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Average Daily Haul Truck Trips	Equipment Type	Quantity	Max Daily Hours
Trenching	16	16	10	Trencher	1	8
				Tractors/Loaders/Backhoes	1	6
				Roller	1	6
Building Construction	60	60	30	Crane	2	8
				Forklifts	3	7
				Generator Sets	2	8
				Tractors/Loaders/Backhoes	2	6
				Welders	6	8

[5] The analysis assumes a construction start date of April 2026, which represents the earliest date construction would initiate. Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.

Table 5. Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Average Daily Haul Truck Trips	Equipment Type	Quantity	Max Daily Hours
Paving	30	30	20	Paving Equipment	2	8
				Pavers	2	8
				Rollers	2	8
Architectural Coating	10	10	2	Air Compressors	1	6

Note: See Attachment A for details.

For the analysis, it was assumed that heavy construction equipment would be operating 5 days per week (22 days per month) during project construction. Construction worker and vendor trips were based on CalEEMod default assumptions and rounded up to the nearest whole number to account for whole round trips. Project grading would be minimal and would be balanced on site.

Construction of project components would be subject to SDAPCD Rule 55, Fugitive Dust Control, which requires that construction include steps to restrict visible emissions of fugitive dust beyond the property line (SDAPCD 2009). Compliance with Rule 55 would limit fugitive dust (PM_{10} and $PM_{2.5}$) that may be generated during grading and construction activities.

A detailed depiction of the construction schedule—including information regarding phases and equipment used during each phase—is included in Attachment A of this report. The information contained in Attachment A was used as CalEEMod model inputs. In accordance with SDAPCD Rule 55, the applicant would water during dust-generating activities at least twice per day. In accordance with SDAPCD Rule 67.0.1, the applicant would use architectural coatings that do not exceed 50 grams per liter of VOC for interior and 100 grams per liter for exterior applications.

2.4.2.2 Operation

Emissions from the operational phase of the project were estimated using CalEEMod. Operational year 2027 was assumed because it would be the first full year following completion of construction.

Area Sources

CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use, architectural coatings, and landscape maintenance equipment. Emissions associated with natural gas usage in space heating and water heating are calculated in the building energy use module of CalEEMod, as described in the following text. The project would not have fireplaces or hearths.

Consumer products are chemically formulated products used by household and institutional consumers, including detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products. Other paint products, furniture coatings, and architectural coatings are not considered consumer products (CAPCOA 2024). Consumer

product VOC emissions for buildings are estimated in CalEEMod based on the floor area of buildings and on the default factor of pounds of VOC per building square foot per day. Consumer products associated with parking lots and other asphalt surfaces include degreasers, which are estimated based on the square footage of the parking lot and the default factor of pounds of VOC per square foot per day. The CalEEMod default values for project consumer products were assumed.

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings, such as in paints and primers used during building maintenance. CalEEMod calculates the VOC evaporative emissions from the application of surface coatings based on the VOC emission factor, the building square footage, the assumed fraction of surface area, and the reapplication rate. The VOC emission factor is based on the VOC content of the surface coatings, and SDAPCD's Rule 67.0.1 (Architectural Coatings) governs the VOC content for interior and exterior coatings. This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories (SDAPCD 2021a). The project would use architectural coatings that would not exceed 50 grams per liter for interior applications and 100 grams per liter for exterior applications, consistent with SDAPCD Rule 67.0.1. The model default reapplication rate of 10% of area per year was assumed. Consistent with CalEEMod defaults, it was assumed that the surface area for painting equals 2.7 times the floor square footage, with 75% assumed for interior coating and 25% assumed for exterior surface coating (CAPCOA 2024).

Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chainsaws, and hedge trimmers. The emissions associated with landscape equipment use are estimated based on CalEEMod default values for emission factors (grams per square foot of building space per day) and number of summer days (when landscape maintenance would generally be performed) and winter days.

Energy Sources

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage. Electricity use would contribute indirectly to criteria air pollutant emissions; however, the emissions from electricity use are only quantified for GHGs in CalEEMod because criteria pollutant emissions occur at the site of the power plant, which is typically off site. Natural gas was assumed to be used within the convenience store.

Mobile Sources

Following the completion of construction activities, the project would generate criteria pollutant emissions from mobile sources (vehicular traffic) as a result of the visitors and employees of the project. At full buildout conditions, 672 daily trips are anticipated, 524 of which are ZE trucks. For emissions modeling, 148 trips per day would be from internal combustion vehicles. CalEEMod default data, including trip length, trip characteristics, and emissions factors, were used for the model inputs. Project-related traffic was assumed to include a mixture of vehicles in accordance with the associated use, as modeled within CalEEMod. Emission factors representing the vehicle mix and emissions for 2027 were used to estimate emissions associated with vehicular sources.

Stationary Sources

The project would need supplemental power in case ample utility power is not available at the start of operation. It is assumed that one 891-horsepower diesel generator would be operated up to 10 hours per day for up to 6 months

during the start of operation. The diesel generator would be equipped with a CARB-certified level 3 diesel particulate filter. At the end of the 6-month period there would be ample power between the on-site solar, BESS, and grid power to support the project. Emissions from the generator were estimated using CalEEMod.

Process Hazard Analysis and Off-Site Consequence Analysis

During normal operations there would be no toxic air emissions from the project. The BESS would be equipped with monitoring and control systems, fire detection and protection systems, and gas ventilation systems, among others, to prevent, monitor, and/or control any battery cell malfunctions. However, to determine the potential public health impacts for this analysis, this report assumes an unlikely event of multiple safety cooling and ventilation system failures that do not control the battery cell malfunction. It was also assumed that the battery cell malfunction would continue until the reaction ceases once stored energy has been expended.

In the event of a battery cell malfunction, it is possible that a thermal runaway event and/or a fire could occur, and if a fire does occur, pollutants could be emitted into the atmosphere. The project BESS system is designed to contain such fires within a single battery module. Lithium-ion battery system fires are generally considered Class A (plastics fires, from materials such as the separator) and Class B (flammable liquids, from materials such as the electrolyte), but may also have characteristics of Class C (electrical fires). As such, the pollutants generated are similar to other common residential and commercial fires that result in the emissions of carbon dioxide (CO_2), CO, hydrocarbons, and VOCs such as benzene (New York Department of Health 2024).

To evaluate a potential runaway scenario, it was assumed that the release of pollutants to the atmosphere would occur within a relatively short and concentrated period of time (i.e., 1 hour or less). Emission rates for each pollutant were based on the cell and module level UL9540A (which tests the BESS for thermal runaway propagation) testing data for the proposed BESS equipment.

Tesla (as a surrogate for the battery chemistry used at the facility) provided information on primary pollutants from a battery combustion malfunction. Detailed emissions calculations are provided in Attachment B. The compounds and the associated mass emission rates were determined by proprietary testing performed by Telsa as part of the UL9540A testing protocol. Under this test, the Tesla Megapack 2XL used cell model CB5T0. The cells are packaged into modules of 112 cells each. There are 24 modules within each megapack container (Contemporary Amperex Technical Services Co. LTD 2021).

The thermal runaway emission tests showed that in the event of a single battery cell undergoing thermal runaway, there was propagation to two surrounding cells. No external flaming or flame venting occurred during the UL9540A testing. In addition, the tests showed that when an entire battery system module was intentionally ignited, there was no propagation to surrounding modules. During testing of the module, which includes 112 cells, again when one cell underwent thermal runway it propagated to two adjacent cells, for a total of three cells (Contemporary Amperex Technical Services Co. LTD 2021). This analysis, however, assumes that 30 cells would be affected (10x what the UL9540A testing showed). The analysis, therefore, presents a worst-case analysis (i.e., a multi-battery cell malfunction).

A dispersion modeling analysis was conducted to assess the health risk impacts of a thermal runaway event on proximate off-site neighboring uses. The dispersion modeling was performed using American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) Version 24142, which is the model that EPA approved and the SDAPCD recommends for atmospheric dispersion of emissions. AERMOD is a steady-state

Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts (driven by temperature variations, convection, and friction with the ground), including treatment of surface and elevated sources, building downwash (effect of dispersion around buildings), and simple and complex terrain (EPA 2023). Principal parameters of AERMOD for project operations included the following and are included in Attachment B:

- **Dispersion Model:** The air dispersion model used was AERMOD, Version 24142, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 13.0.0. A unit emission rate (1 gram per second) was normalized over each unique source of emissions for the AERMOD run to obtain the "X/Q" values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength and is used as a way to simplify the representation of emissions from many sources. The maximum concentrations were determined for the 1-hour and period-averaging periods. Table 6 provides detailed source parameters for modeling emissions with AERMOD. Source parameters were based on information within the UL9540A test (Contemporary Amperex Technical Services Co. LTD. 2021).

Table 6. Emission Source Parameters

Source ID	Source Name	Source Type	Source Parameters
STCK1	Battery energy storage system container	Point	Base Elevation: 11.6 feet Release Height: 9.14 feet Emission Rate: 1 g/s Gas Exit Temperature: 524.3°C Stack Inside Diameter: 1.36 feet Gas Exit Velocity: 0.004 m/s Gas Exit Flow Rate: 1.16 ft^3/min Variable Emissions Scenario: None

Source: Contemporary Amperex Technical Services Co. LTD 2021.
Notes: ft^3/min = cubic feet per minute; g/s = grams per second; ID = Identification; m/s = meters per second.

- **Meteorological Data:** The nearest station with processed meteorological data for use in AERMOD as recommended by the SDAPCD is Sherman Elementary School. The latest 3-year meteorological data (2020–2022) for Sherman Elementary School were downloaded from SDAPCD and then input to AERMOD.
- **Urban and Rural Options:** Typically, urban areas have more surface roughness and structures and low-albedo surfaces that absorb more sunlight, and thus, more heat, relative to rural areas. The rural dispersion option was selected based on SDAPCD guidance (SDAPCD 2022a).
- **Terrain Characteristics:** Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate for the site. This accounts for complex terrain within 1.24 miles (2 kilometers) of the site. The National Elevation Dataset (NED) dataset with resolution of 1 arc-second was used. The AERMAP terrain preprocessor, which can process U.S. Geological Survey's Digital Elevation Model (DEM) data and data from the National Elevation Dataset (NED), was also used to generate terrain elevations for the receptor locations. The AERMAP program generates an output file that contains the receptor pathway data for AERMOD.
- **Neighboring Uses:** This assessment evaluated the risk to neighboring uses in proximity to the project site. A telescoping grid was placed along the fenceline with 25-meter spacing out to 100 meters, 50-meter spacing out to 200 meters, 100-meter spacing out to 500 meters, 200-meter spacing out to 1,000 meters, and 400-meter spacing out to 2,000 meters.

In March 2015, the Office of Environmental Health Hazard Assessment (OEHHA) approved the 2015 Risk Assessment Guidelines Manual (OEHHA 2015). The assessment was prepared following the 2015 Risk Assessment Guidelines Manual. Noncancer health risk calculations were performed for the project using ground-level unity emission concentration (X/Q) input from AERMOD. This modeling established the emissions dispersion field to the existing neighboring uses from atmospheric influence of the stationary source emissions. Plot files generated in AERMOD were then imported into CARB's Hotspots Analysis and Reporting Program Version 2 (HARP2), with ground-level concentrations determined by multiplication of emission rates and X/Q values for each source of emissions. HARP2 then assessed resulting noncancer risk at the neighboring uses from exposure to TAC emissions using the OEHHA-derived calculation method.

The noncancer health impact of an inhaled TAC is measured by the hazard quotient, which is the ratio of the ambient concentration of a TAC in units of micrograms per cubic meter ($\mu g/m^3$) divided by the reference exposure level, also in units of micrograms per cubic meter ($\mu g/m^3$). The reference exposure level is the concentration at or below which no adverse health effects are anticipated (OEHHA 2015). The reference exposure level is typically based on health effects on a particular target organ system, such as the respiratory system, liver, or central nervous system. Hazard quotients of individual TACs are then summed for each target organ system to obtain a hazard index. Because this is an acute health risk exposure assessment, the maximum 1-hour emission rates from thermal runaway of 30 cells was assumed. The chronic non-cancer assessment is based on long-term exposure and therefore is not appropriate for this type of event. The analysis evaluated impacts at the highest impacted location beyond the fenceline of the project site.

2.5 Impact Analysis

Issue AQ-1. Would the project conflict with or obstruct implementation of an applicable air quality plan?

As stated in Section 2.2.3, Local Regulations, the SDAPCD and SANDAG are responsible for developing and implementing the clean air plans for attainment and maintenance of the NAAQS and CAAQS in the SDAB, specifically, the SIP and RAQS.[6] The federal O_3 attainment plan, which is part of the SIP, was adopted in 2020 (SDAPCD 2020). The SIP includes a demonstration that current strategies and tactics will attain acceptable air quality in the SDAB based on the NAAQS. The RAQS was initially adopted in 1991 and is updated every 3 years (most recently in 2022). The RAQS outlines SDAPCD's plans and control measures designed to attain the CAAQS for O_3 (SDAPCD 2022b). The SIP and RAQS rely on information from CARB and SANDAG, including mobile and area source emissions, as well as information regarding projected growth in San Diego County and the cities in the County, to project future emissions and then determine from that the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by the County and the cities in the County as part of development of their general plans. As such, projects involving development consistent with the growth anticipated by local plans would be consistent with the SIP and RAQS. However, if a project involves development that is greater than that anticipated in the local plan and/or SANDAG's growth projections, that project might conflict with the SIP and RAQS, and may contribute to a potentially significant cumulative impact on air quality.

The project would not change the use or use designation of the site, and activities would be supportive and consistent with the industrial maritime activities surrounding the site. As such, the project would be consistent with

[6] For the purpose of this discussion, the relevant federal air quality plan is the O_3 attainment plan (SDAPCD 2020). The RAQS is the applicable plan for purposes of state air quality planning (SDAPCD 2022b). Both plans reflect growth projections in the SDAB.

the Port Master Plan. The convenience store is anticipated to employ up to seven people. The SANDAG Series 15 Growth Forecast shows 38,802 jobs within National City in 2022 and 39,155 jobs in 2029 (SANDAG 2024a), or an additional 44 jobs per year. The project's seven employees would be within the growth projections for National City. The project would not conflict with the RAQS or SIP. Therefore, impacts would be **less than significant**.

Issue AQ-2. Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and the SDAPCD develops and implements plans for future attainment of ambient air quality standards. Based on these considerations, project-level thresholds of significance for criteria pollutants are relevant in the determination of whether a project's individual emissions would violate any air quality standard or contribute substantially to an existing or projected air quality violation, or have a cumulatively significant impact on air quality.

Construction Emissions

Construction of the project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing) and off-site sources (worker vehicle trips). Construction emissions can vary substantially day to day depending on the level of activity; the specific type of operation; and, for dust, the prevailing weather conditions.

Criteria air pollutant emissions associated with construction activities were quantified using CalEEMod. Default values provided by CalEEMod were used where detailed project information was not available. A detailed depiction of the construction schedule—including information regarding phasing, equipment used during each phase, haul trucks, vendor trucks, and worker vehicles—is provided in Section 2.4.2.1, Construction. The information contained in Attachment A was used as CalEEMod inputs.

Development of the project would generate air pollutant emissions from entrained dust, off-road equipment, vehicle emissions, asphalt pavement application, and architectural coatings. Entrained dust results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil, resulting in PM_{10} and $PM_{2.5}$ emissions. The project would be subject to SDAPCD Rule 55, Fugitive Dust Control. This rule requires that the project take steps to restrict visible emissions of fugitive dust beyond the property line. Compliance with Rule 55 would limit fugitive dust (PM_{10} and $PM_{2.5}$) generated during grading and construction activities. To account for dust control measures in the calculations, it was assumed that the project would water active sites at least two times daily as a condition of approval.

Exhaust from internal combustion engines used by construction equipment and vehicles would result in emissions of VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$. The application of asphalt pavement and architectural coatings would also produce VOC emissions.

Table 7 shows the estimated maximum daily construction emissions associated with construction of the project. Complete details of the emissions calculations are provided in Attachment A.

Table 7. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions

Year	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Summer						
2026	3.05	28.54	32.02	0.08	2.45	1.28
2027	4.60	11.01	14.04	0.03	1.36	0.59
Winter						
2026	3.63	34.68	39.10	0.10	3.37	1.60
2027	4.60	33.41	38.72	0.10	3.28	1.51
Maximum	**4.60**	**34.68**	**39.10**	**0.10**	**3.37**	**1.60**
County of San Diego Threshold	*75*	*250*	*550*	*250*	*100*	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter.
See Attachment A for complete results.
The values shown are the maximum summer or winter daily emissions results from the California Emissions Estimator Model (CalEEMod). Although not considered mitigation, these emissions reflect the CalEEMod "mitigated" output, which accounts for the required compliance with SDAPCD Rule 55 (Fugitive Dust) and Rule 67.0.1 (Architectural Coatings).

As shown in Table 7, daily construction emissions would not exceed the significance thresholds for any criteria air pollutant. Therefore, impacts during construction would not violate any air quality standard or contribute substantially to an existing or projected air quality violation. Impacts would be **less than significant.**

Operational Emissions

Operation of the project would generate VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$ emissions from mobile sources (vehicle trips), area sources (consumer products, landscape maintenance equipment), and energy sources. As discussed in Section 2.4.2.2, Operation, pollutant emissions associated with long-term operations were quantified using CalEEMod. Project-generated mobile source emissions were estimated in CalEEMod based on project-specific trip rates. CalEEMod default values were used to estimate emissions from the project site and energy sources.

Table 8 presents the maximum daily area, energy, and mobile source emissions associated with operation (Year 2027) of the project without mitigation. The values shown are the maximum summer or winter daily emissions results from CalEEMod. Details of the emission calculations are provided in Attachment A.

Table 8. Estimated Maximum Daily Operational Criteria Air Pollutant Emissions

Emission Source	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Summer						
Area	0.21	<0.01	0.26	<0.01	<0.01	<0.01
Energy	<0.01	0.02	0.02	<0.01	<0.01	<0.01
Mobile	0.55	0.35	3.65	0.01	0.78	0.20
Stationary	14.62	65.39	37.28	0.07	0.29	0.29

Table 8. Estimated Maximum Daily Operational Criteria Air Pollutant Emissions

Emission Source	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Summer Total	**15.38**	**65.76**	**41.21**	**0.08**	**1.06**	**0.49**
Winter						
Area	0.17	0.00	0.00	0.00	0.00	0.00
Energy	<0.01	0.02	0.02	<0.01	<0.01	<0.01
Mobile	0.54	0.38	3.48	0.01	0.78	0.20
Stationary	14.62	65.39	37.28	0.07	0.29	0.29
Winter Total	**15.33**	**65.79**	**40.78**	**0.08**	**1.06**	**0.49**
County of San Diego Threshold	*75*	*250*	*550*	*250*	*100*	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; <0.01 = reported value is less than 0.01.
See Attachment A for complete results.
The values shown are the maximum summer or winter daily emissions results from the California Emissions Estimator Model (CalEEMod). These emissions reflect the CalEEMod "mitigated" output, which accounts for compliance with SDAPCD Rule 67.0.1 (Architectural Coatings).

As shown in Table 8, the combined daily area, energy, and mobile source emissions would not exceed the SDAPCD's operational thresholds for VOC, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$. Impacts during operation would not violate any air quality standard or contribute substantially to an existing or projected air quality violation. Impacts would be **less than significant**.

Cumulative Analysis

The SDAB has been designated as a federal nonattainment area for O_3 and a state nonattainment area for O_3, PM_{10}, and $PM_{2.5}$. The poor air quality in the SDAB is the result of cumulative emissions from motor vehicles, off-road equipment, commercial and industrial facilities, and other emission sources. Projects that emit these pollutants or their precursors (i.e., VOCs and NO_x for O_3) potentially contribute to poor air quality. In analyzing cumulative impacts from a project, the analysis must specifically evaluate the project's contribution to the cumulative increase in pollutants for which the SDAB is designated as nonattainment for the CAAQS and NAAQS. If the project does not exceed thresholds and is determined to have less-than-significant project-specific impacts, it may still contribute to a significant cumulative impact on air quality if the emissions from the project, in combination with the emissions from other proposed or reasonably foreseeable future projects, are in excess of established thresholds. However, a project would only be considered to have a significant cumulative impact if the project's contribution accounts for a significant proportion of the cumulative total emissions (i.e., it represents a "cumulatively considerable contribution" to the cumulative air quality impact).

Regarding short-term construction impacts, the SDAPCD thresholds of significance are used to determine whether the project may have a short-term cumulative impact. As shown in Table 7, the project would not exceed any criteria air pollutant during construction. Therefore, the project would have a less-than-significant cumulative impact during construction.

Additionally, for the SDAB, the RAQS serves as the long-term regional air quality planning document for the purpose of assessing cumulative operational emissions to ensure the SDAB continues to make progress toward NAAQS and CAAQS attainment status. As such, cumulative projects in the San Diego region would have the potential to result in a cumulative impact to air quality if, in combination, they would conflict with or obstruct implementation of the RAQS. Similarly, individual projects that are inconsistent with the regional planning documents upon which the RAQS is based would have the potential to result in cumulative operational impacts if they represent development and population increases beyond regional projections.

Regarding long-term cumulative operational emissions in relation to consistency with local air quality plans, the SIP and RAQS serve as the primary air quality planning documents for the state and SDAB, respectively. The SIP and RAQS rely on SANDAG growth projections based on population, vehicle trends, and land use plans developed by the cities and the County as part of development of their general plans. Therefore, projects that propose development that is consistent with the growth anticipated by local plans would be consistent with the SIP and RAQS, and would not be considered to result in cumulatively considerable impacts from operational emissions. As stated previously, the project would not result in significant regional growth not accounted for within the RAQS. As a result, the project would not result in a cumulatively considerable contribution to pollutant emissions. Cumulative impacts would be **less than significant** during construction and operations.

Issue AQ-3. Would the project expose sensitive receptors to substantial pollutant concentrations?

Air quality varies as a direct function of the amount of pollutants emitted into the atmosphere, the size and topography of the air basin, and the prevailing meteorological conditions. Air quality problems arise when the rate of pollutant emissions exceeds the rate of dispersion. Reduced visibility, eye irritation, and adverse health impacts to sensitive receptors are the most serious hazards of existing air quality conditions. Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. As defined and discussed in Section 2.1.3, there are sensitive receptors within 1.24 miles (2 kilometers) of the project site.

Toxic Air Contaminants

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute (immediate) and/or chronic (cumulative) non-cancer health effects. A toxic substance released into the air is considered a TAC. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and noncarcinogenic effects. Noncarcinogenic effects typically affect one or more target organ systems and may be experienced on either short-term (acute) or long-term (chronic) exposure to a given TAC.

TACs are identified by federal and state agencies based on a review of available scientific evidence. In California, TACs are identified through a two-step process that was established in 1983 under the Toxic Air Contaminant Identification and Control Act. This two-step process of risk identification and risk management and reduction was designed to protect residents from the health effects of toxic substances in the air. In addition, the California Air Toxics “Hot Spots” Information and Assessment Act (AB 2588) was enacted by the legislature in 1987 to address public concern over the release of TACs into the atmosphere.

Examples include certain aromatic and chlorinated hydrocarbons, certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources, such as dry cleaners, gas stations, combustion

sources, and laboratories; mobile sources, such as automobiles; and area sources, such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic and noncarcinogenic effects.

Project construction would result in emissions of DPM from heavy construction equipment and trucks accessing the site. DPM is characterized as a TAC by the State of California. OEHHA has identified carcinogenic and chronic noncarcinogenic effects from long-term exposure, but has not identified health effects due to short-term exposure to diesel exhaust. According to OEHHA, health risk assessments, which determine the exposure of sensitive receptors to toxic emissions, should be based on a 30-year exposure period for the maximally exposed individual resident; however, such assessments should be limited to the period/duration of activities associated with the project (OEHHA 2015). Thus, the duration of the proposed construction activities would only constitute a small percentage of the total 30-year exposure period. Due to this relatively short period of exposure (10 months) and minimal particulate emissions on site, TACs generated by the project would not result in concentrations causing significant health risks. The closest sensitive receptor is more than 1,300 feet east of the project site (residences). Overall, the project would not result in substantial TAC exposure to sensitive receptors in the vicinity of the project site, and impacts would be **less than significant**.

Additionally, the health risk public-notification thresholds adopted by the SDAPCD is 10 excess cancer cases in 1 million for cancer risk and a hazard index of more than 1.0 for non-cancer risk. The hazard index of more than 1.0 means that predicted levels of a toxic pollutant are greater than the reference exposure level, which is considered the level below which adverse health effects are expected. Examples of projects that emit toxic pollutants over long-term operations include oil and gas processing, gasoline dispensing, dry cleaning, electronic and parts manufacturing, medical equipment sterilization, freeways, and rail yards (SCAQMD 1993). The project would not emit substantial amounts of TACs during operations and sensitive receptors are not proximate to the project site; as such, a formal health risk assessment is not required for the project. Accordingly, the project is not anticipated to result in emissions that would exceed the SDAPCD adopted health risk notification thresholds.

Although the project would not result in regular emission of TACs during operation, as discussed in Section 2.4.2.2, Operation, TACs may be emitted during a thermal runaway event. A hazardous consequence analysis was prepared to evaluate potential acute health impacts from TAC emissions from a thermal runaway event from 30 cells (10x what the UL9540A testing showed) at proximate receptors. The results of the analysis are shown in Table 9.

Table 9. Hazardous Consequence Analysis Results

Impact Parameter	Unit	Project Impact	CEQA Threshold	Level of Significance
Acute Hazard Index – Point of Maximum Impact	Index Value	0.1	1.0	Less than Significant

Source: See Attachment B.
Note: CEQA = California Environmental Quality Act.

As shown in Table 9, the results of the hazardous consequence analysis showed that the acute hazard index at the point of maximum impact would be below the threshold of 1.0. As such, impacts would be **less than significant**.

Health Impacts of Carbon Monoxide

Mobile-source impacts occur on two basic scales of motion. Regionally, project-related travel would add to regional trip generation and increase the vehicle miles traveled (VMT) within the local airshed and the SDAB. Locally, project-

related traffic would be added to National City's roadway system. If such traffic occurs during periods of poor atmospheric ventilation, consists of a large number of vehicles "cold-started" and operating at pollution-inefficient speeds, and operates on roadways already crowded with non-project traffic, there is a potential for the formation of microscale CO "hotspots" in the area immediately around points of congested traffic. Because of continued improvement in mobile emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SDAB is steadily decreasing.

Projects contributing to adverse traffic impacts may result in the formation of CO hotspots. As discussed in Section 2.4.2.2, the project would result in up to 148 daily one-way trips from internal combustion vehicles. The majority of the traffic going to and from the project site would be battery-electric trucks that do not emit CO. Therefore, a CO hotspot analysis is not needed, and project impacts would be **less than significant**.

Health Impacts of Other Criteria Air Pollutants

Construction and operation of the project would not result in emissions that exceed SDAPCD's emission thresholds for any criteria air pollutants. Regarding VOCs, some VOCs are associated with motor vehicles and construction equipment, and others are associated with architectural coatings, the emissions of which would not result in the exceedances of SDAPCD thresholds. Generally, the VOCs in architectural coatings are of relatively low toxicity. Additionally, SDAPCD Rule 67.0.1 restricts the VOC content of coatings for both construction and operational applications.

In addition, VOCs and NO_x are precursors to O_3, for which the SDAB is designated as nonattainment with respect to the NAAQS and CAAQS (the SDAB is designated by the EPA as an attainment area for the 1-hour O_3 NAAQS standard and 1997 8-hour NAAQS standard). The health effects associated with O_3, as discussed in Section 2.1.2, Pollutants and Effects, are generally associated with reduced lung function. The contribution of VOCs and NO_x to regional ambient O_3 concentrations is the result of complex photochemistry. The increases in O_3 concentrations in the SDAB due to O_3 precursor emissions tend to be found downwind from the source to allow time for the photochemical reactions to occur. However, the potential for exacerbating excessive O_3 concentrations also depend on the time of year that the VOC emissions occur, because exceedances of the O_3 ambient air quality standards tend to occur in April to October when solar radiation is highest.

Regarding NO_2, according to the construction emissions analysis, construction of the project would not contribute to exceedances of the NAAQS or CAAQS for NO_2. As described in Section 2.1.2, health impacts from exposure to NO_2 and NO_x are associated with respiratory irritation, which may be experienced by nearby receptors during the periods of heaviest use of off-road construction equipment. However, construction would be relatively short term. Additionally, off-road construction equipment would operate at various portions of the site and would not be concentrated in one area of the site at any one time. Construction of the project would not require any stationary emission sources that would create substantial, localized NO_x impacts, as shown in Table 7. Therefore, health impacts from NOx emissions on sensitive receptors would be **less than significant**.

The VOC and NO_x emissions, as described previously, would minimally contribute to regional O_3 concentrations and its associated health effects. In addition to O_3, NO_x emissions would not contribute to potential exceedances of the NAAQS or CAAQS for NO_2. As shown in Table 3, the existing NO_2 concentrations in the area are well below the NAAQS and CAAQS standards. Thus, it is not expected that the project's operational NO_x emissions would result in exceedances of the NO_2 standards or contribute to the associated health effects. CO tends to be a localized impact associated with congested intersections. The associated CO "hotspots" were discussed previously as a less-than-

significant impact. Thus, the project's CO emissions would not contribute to significant health effects associated with this pollutant. Likewise, PM_{10} and $PM_{2.5}$ would not contribute to potential exceedances of the NAAQS or CAAQS for particulate matter, would not obstruct the SDAB from coming into attainment for these pollutants, and would not contribute to significant health effects associated with particulates.

Based on the preceding considerations, health impacts associated with criteria air pollutants would be **less than significant,** and the project would not expose sensitive receptors to substantial pollutant concentrations during construction or operation.

Issue AQ-4. Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

California Health and Safety Code Section 41700 and SDAPCD Rule 51 (Public Nuisance) prohibit emissions from any source whatsoever in such quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to the public health or damage to property. Projects required to obtain permits from the SDAPCD are evaluated by SDAPCD staff for potential odor nuisance, and conditions may be applied (or control equipment required) where necessary to prevent occurrence of public nuisance.

SDAPCD Rule 51 (Public Nuisance) also prohibits emission of any material that would cause nuisance to a considerable number of people or endanger the comfort, health, or safety of any person. A project that proposes a use that would produce objectionable odors would be deemed to have a significant odor impact if it would affect a considerable number of off-site receptors. Odor issues are very subjective and their measurements are difficult to quantify. As a result, this guideline is qualitative and focuses on the existing and potential surrounding uses and location of sensitive receptors (as defined in Section 2.1.3).

The occurrence and severity of potential odor impacts depend on numerous factors: the nature, frequency, and intensity of the source; the wind speeds and direction; and the sensitivity of receiving location. Although offensive odors seldom cause physical harm, they can be annoying, cause distress among the public, and generate citizen complaints.

Construction

Odors would be potentially generated from vehicles and equipment exhaust emissions during construction of the project. Potential odors produced during proposed construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application. The project would be required to comply with the California Code of Regulations, Title 13, Sections 2449(d)(2) and 2485, which would minimize the idling time of construction equipment either by shutting it off when not in use or by reducing the time of idling to no more than 5 minutes. This would reduce the detectable odors from heavy-duty equipment exhaust. Such odors would be temporary, short-term, and intermittent, and would disperse rapidly from the project site and generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be **less than significant.**

Operation

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting facilities, refineries, landfills, dairies, and

fiberglass molding facilities (SCAQMD 1993). The project would not include operations associated with odor complaints. Therefore, project operations would result in an odor impact that would be **less than significant**.

3 Greenhouse Gas Emissions

3.1 Environmental Setting

3.1.1 Climate Change Overview

Climate change refers to any significant change in measures of climate—such as temperature, precipitation, or wind patterns—lasting for an extended period of time (decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system. Many factors, both natural and human, can cause changes in Earth's energy balance, including variations in the Sun's energy reaching Earth; changes in the reflectivity of Earth's atmosphere and surface; and changes in the greenhouse effect, which affects the amount of heat retained by Earth's atmosphere (EPA 2017).

The greenhouse effect is the trapping and build-up of heat in the atmosphere (troposphere) near the Earth's surface. The greenhouse effect traps heat in the troposphere through a threefold process: short-wave radiation emitted by the Sun is absorbed by the Earth, the Earth emits a portion of this energy in the form of long-wave radiation, and GHGs in the upper atmosphere absorb this long-wave radiation and emit it into space and toward the Earth. The greenhouse effect is a natural process that contributes to regulating the Earth's temperature and creates a pleasant, livable environment on Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise.

The scientific record of the Earth's climate shows that the climate system varies naturally over a wide range of time scales and that, in general, climate changes prior to the Industrial Revolution in the 1700s can be explained by natural causes, such as changes in solar energy, volcanic eruptions, and natural changes in GHG concentrations. Recent climate changes, particularly the warming observed over the past century, however, cannot be explained by natural causes alone. Rather, human activities have been the dominant cause of that warming since the mid-20th century and are the most significant driver of observed climate change (EPA 2017; IPCC 2013). Human influence on the climate system is evident from the increasing GHG concentrations in the atmosphere, positive radiative forcing, observed warming, and improved understanding of the climate system (IPCC 2013). The atmospheric concentrations of GHGs have increased to levels unprecedented in the last 800,000 years, primarily from fossil fuel emissions and secondarily from emissions associated with land use changes (IPCC 2013). Continued emissions of GHGs will cause further warming and changes in all components of the climate system, as discussed further in Section 3.3.2, Potential Effects of Climate Change.

3.1.2 Greenhouse Gases

A GHG is any gas that absorbs infrared radiation in the atmosphere; in other words, GHGs trap heat in the atmosphere. GHGs include carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), O_3, water vapor, hydrofluorocarbons (HFCs), hydrochlorofluorocarbons (HCFCs), perfluorocarbons (PFCs), and sulfur hexafluoride

(SF_6).[7] Some GHGs—such as CO_2, CH_4, and N_2O—occur naturally and are emitted to the atmosphere through natural processes and human activities. Of these gases, CO_2 and CH_4 are emitted in the greatest quantities from human activities. Manufactured GHGs, which have a much greater heat-absorption potential than CO_2, include fluorinated gases (e.g., HFCs, HCFCs, PFCs, and SF_6), which are associated with certain industrial products and processes. A summary of the most common GHGs and their sources, along with other climate-forcing substances, is provided in the following text.[8]

Carbon Dioxide. CO_2 is a naturally occurring gas and a byproduct of human activities; it is the principal anthropogenic GHG that affects the Earth's radiative balance. Natural sources of CO_2 include respiration of bacteria, plants, animals, and fungus; evaporation from oceans; volcanic out-gassing; and decomposition of dead organic matter. Human activities that generate CO_2 are the combustion of fuels (e.g., coal, oil, natural gas, and wood) and changes in land use.

Methane. CH_4 is produced through both natural and human activities. CH_4 is a flammable gas and is the main component of natural gas. CH_4 is produced through anaerobic (without oxygen) decomposition of waste in landfills, flooded rice fields, animal digestion, decomposition of animal wastes, production and distribution of natural gas and petroleum, coal production, and incomplete fossil fuel combustion.

Nitrous Oxide. N_2O is produced through natural and human activities, mainly through agricultural activities and natural biological processes, although fuel burning and other processes also create N_2O. Sources of N_2O include soil cultivation practices (microbial processes in soil and water), especially the use of commercial and organic fertilizers; manure management; industrial processes, such as in nitric acid production, nylon production, and fossil-fuel-fired power plants; vehicle emissions; and using N_2O as a propellant (such as in rockets, race cars, and aerosol sprays).

Fluorinated Gases. Fluorinated gases (also referred to as F-gases) are powerful, synthetic GHGs emitted from many industrial processes. Fluorinated gases are commonly used as substitutes for stratospheric O_3-depleting substances (e.g., chlorofluorocarbons [CFCs], HCFCs, and halons). The most prevalent fluorinated gases are the following:

- ***Hydrofluorocarbons:*** HFCs are compounds containing only hydrogen, fluorine, and carbon atoms. HFCs are synthetic chemicals used as alternatives to O_3-depleting substances in serving many industrial, commercial, and personal needs. HFCs are emitted as byproducts of industrial processes and are used in manufacturing.
- ***Perfluorocarbons:*** PFCs are a group of human-made chemicals composed of carbon and fluorine only. These chemicals were introduced as alternatives, along with HFCs, to O_3-depleting substances. The two main sources of PFCs are primary aluminum production and semiconductor manufacturing. Because PFCs have stable molecular structures and do not break down through chemical processes in the lower atmosphere, these chemicals have long lifetimes, ranging from 10,000 to 50,000 years.

[7] California Health and Safety Code Section 38505 identifies seven GHGs that CARB is responsible for monitoring and regulating to reduce emissions: CO_2, CH_4, N_2O, SF_6, HFCs, PFCs, and nitrogen trifluoride.

[8] The descriptions of GHGs are summarized from the Intergovernmental Panel on Climate Change (IPCC) Second Assessment Report (IPCC 1995), IPCC's Fourth Assessment Report (IPCC 2007), CARB's Glossary of Terms (CARB 2016a), and EPA's Glossary of Climate Change Terms (EPA 2016d).

- ***Sulfur Hexafluoride***: SF_6 is a colorless gas that is soluble in alcohol and ether and slightly soluble in water. SF_6 is used for insulation in electric power transmission and distribution equipment, semiconductor manufacturing, the magnesium industry, and as a tracer gas for leak detection.
- ***Nitrogen Trifluoride:*** Nitrogen trifluoride is used in the manufacture of a variety of electronics, including semiconductors and flat panel displays.

Chlorofluorocarbons. CFCs are synthetic chemicals that have been used as cleaning solvents, refrigerants, and aerosol propellants. CFCs are chemically unreactive in the lower atmosphere (troposphere), and the production of CFCs was prohibited in 1987 due to the chemical destruction of stratospheric O_3.

Hydrochlorofluorocarbons. HCFCs are a large group of compounds with a structure very close to that of CFCs—containing hydrogen, fluorine, chlorine, and carbon atoms—but including one or more hydrogen atoms. Like HFCs, HCFCs are used in refrigerants and propellants. HCFCs were also used in place of CFCs for some applications; however, their use in general is being phased out.

Black Carbon. Black carbon is a component of fine particulate matter ($PM_{2.5}$), which has been identified as a leading environmental risk factor for premature death. It is produced from the incomplete combustion of fossil fuels and biomass burning, particularly from older diesel engines and forest fires. Black carbon warms the atmosphere by absorbing solar radiation; influencing cloud formation; and darkening the surface of snow and ice, which accelerates heat absorption and melting. Black carbon is short lived and varies spatially, which makes it difficult to quantify its global warming potential (GWP). DPM emissions are a major source of black carbon and are TACs that have been regulated and controlled in California for several decades to protect public health. According to CARB's Climate Goals update, the state remains committed to reducing black carbon emissions by 50% below 2013 levels by 2030, as outlined in the 2017 Short-Lived Climate Pollutant Reduction Strategy (CARB 2017a).

Water Vapor. The primary source of water vapor is evaporation from the ocean, with additional vapor generated by sublimation (change from solid to gas) from ice and snow, evaporation from other water bodies, and transpiration from plant leaves. Water vapor is the most important, abundant, and variable GHG in the atmosphere, and maintains a climate necessary for life.

Ozone. Tropospheric O_3, which is created by photochemical reactions involving gases from both natural sources and human activities, acts as a GHG. Stratospheric O_3, created by the interaction between solar ultraviolet radiation and molecular oxygen, plays a decisive role in the stratospheric radiative balance. Depletion of stratospheric O_3, due to chemical reactions that may be enhanced by climate change, results in an increased ground-level flux of ultraviolet-B radiation.

Aerosols. Aerosols are suspensions of particulate matter in a gas emitted into the air through burning biomass (plant material) and fossil fuels. Aerosols can warm the atmosphere by absorbing and emitting heat, and can cool the atmosphere by reflecting light.

3.1.3 Global Warming Potential

Gases in the atmosphere can contribute to climate change both directly and indirectly. Direct effects occur when the gas itself absorbs radiation. Indirect radiative forcing occurs when chemical transformations of the substance produce other GHGs, when a gas influences the atmospheric lifetimes of other gases, and/or when a gas affects

atmospheric processes that alter the radiative balance of the Earth (e.g., affect cloud formation or albedo) (EPA 2017). The Intergovernmental Panel on Climate Change developed the GWP concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP of a GHG is defined as the ratio of the time-integrated radiative forcing from the instantaneous release of 1 kilogram of a trace substance relative to that of 1 kilogram of a reference gas (IPCC 2014). The reference gas used is CO_2; therefore, GWP-weighted emissions are measured in metric tons (MT) of carbon dioxide equivalent (CO_2e).

The current version of CalEEMod (Version 2022.1.1.26) assumes that the GWP for CH_4 is 25 (so emissions of 1 MT of CH_4 are equivalent to emissions of 25 MT of CO_2), and the GWP for N_2O is 298, based on the Intergovernmental Panel on Climate Change Fourth Assessment Report (IPCC 2007). The GWP values identified in CalEEMod were applied to the project.

3.2 Regulatory Setting

3.2.1 Federal Regulations

Massachusetts v. EPA

In *Massachusetts v. EPA* (April 2007), the U.S. Supreme Court directed the EPA administrator to determine whether GHG emissions from new motor vehicles cause or contribute to air pollution that may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision. In December 2009, the administrator signed a final rule with the following two distinct findings regarding GHGs under CAA Section 202(a):

- The administrator found that elevated concentrations of GHGs—CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6—in the atmosphere threaten the public health and welfare of current and future generations. This is the "endangerment finding."
- The administrator further found the combined emissions of GHGs—CO_2, CH_4, N_2O, and HFCs—from new motor vehicles and new motor vehicle engines contribute to the GHG air pollution that endangers public health and welfare. This is the "cause or contribute finding."

These two findings were necessary to establish the foundation for regulation of GHGs from new motor vehicles as air pollutants under the CAA. However, President Trump's Executive Order (EO) 14154, issued on January 10, 2025, called for the EPA to consider the legality and applicability of the 2009 Endangerment Finding for Greenhouse Gases.

Energy Independence and Security Act

The Energy Independence and Security Act of 2007 (EISA) (December 2007), among other key measures, did the following to aid in the reduction of national GHG emissions (EPA 2007):

- Increase the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard requiring fuel producers to use at least 36 billion gallons of biofuel by 2022.
- Set a target of 35 miles per gallon for the combined fleet of cars and light trucks by model year 2020 and directed the National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks, and create a separate fuel economy standard for work trucks.

- Prescribe or revise standards affecting regional efficiency for heating and cooling products, and procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.

President Trump's EO 14154 may also impact the EISA. This order declared a national energy emergency and directed federal agencies to expedite the permitting and production of domestic energy resources. This emphasis on increasing fossil fuel production and reducing regulatory barriers may undermine the EISA's objectives of enhancing energy efficiency and promoting renewable energy sources.

Federal Vehicle Standards

In response to the *Massachusetts v. EPA* U.S. Supreme Court ruling discussed above, the Bush Administration issued EO 13432 in 2007 directing the EPA, the Department of Transportation, and the Department of Energy to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. In 2009, the NHTSA issued a final rule regulating fuel efficiency and GHG emissions from cars and light-duty trucks for model year 2011, and in 2010, the EPA and NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012–2016 (75 FR 25324–25728). In March 2022, the NHTSA established new fuel economy standards that would require an industry-wide fleet average of approximately 49 miles per gallon for passenger cars and light trucks in model year 2026 by increasing fuel efficiency by 8% annually for model years 2024 and 2025, and 10% annually for model year 2026.

On March 12, 2025, in response to President Trump's EO 14154, the EPA stated that it would reconsider its 2024 rules that would cut passenger vehicle fleetwide tailpipe emissions by nearly 50% by 2032 compared with 2027 projected levels. The EPA said it is also reconsidering a 2022 regulation that aims to drastically cut smog-and soot-forming emissions from heavy-duty trucks, saying the rule makes trucks more expensive.

In January 2025, President Trump's Transportation Secretary moved to rescind fuel economy standards issued under President Biden that aimed to drastically reduce fuel use for cars and trucks. He has also frozen funding to states for EV charging facilities. In June 2024 the NHTSA said it would hike Corporate Average Fuel Economy requirements to approximately 50.4 miles per gallon by 2031 from 39.1 miles per gallon currently for light-duty vehicles. The NHTSA also said in June 2024 the rule for passenger cars and trucks would reduce gasoline consumption by 64 billion gallons through 2050 and cut emissions by 659 million metric tons (MMT). Although some vehicles would be more expensive to buy, consumers would save on fuel costs, with estimated net benefits of $35.2 billion. Trump's Transportation Secretary directed the NHTSA to reconsider rules for heavy-duty pickup trucks and vans through 2035.

3.2.2 State Regulations

The statewide GHG emissions regulatory framework is summarized below by category: state climate change targets, building energy, renewable energy and energy procurement, mobile sources, solid waste, water, and other state regulations and goals. The following text describes executive orders, legislation, regulations, and other plans and policies that would directly or indirectly reduce GHG emissions and/or address climate change issues.

State Climate Change Targets

Executive Order S-3-05

EO S-3-05 (June 2005) established the following statewide goals: GHG emissions should be reduced to 2000 levels by 2010, to 1990 levels by 2020, and to 80% below 1990 levels by 2050.

Assembly Bill 32 and CARB's Climate Change Scoping Plan

In furtherance of the goals established in EO S-3-05, the legislature enacted AB 32, the California Global Warming Solutions Act of 2006. AB 32 required California to reduce its GHG emissions to 1990 levels by 2020.

Under AB 32, CARB is responsible for and is recognized as having the expertise to carry out and develop the programs and requirements necessary to achieve the GHG emissions reduction mandate of AB 32. Under AB 32, CARB must adopt regulations requiring the reporting and verification of statewide GHG emissions from specified sources. This program is used to monitor and enforce compliance with established standards. CARB also is required to adopt rules and regulations to achieve the maximum technologically feasible and cost-effective GHG emission reductions. AB 32 relatedly authorized CARB to adopt market-based compliance mechanisms to meet the specified requirements. Finally, CARB is responsible for monitoring compliance and enforcing any rule, regulation, order, emission limitation, emission reduction measure, and market-based compliance mechanism adopted.

In 2007, CARB approved a limit on the statewide GHG emissions level for 2020, consistent with the determined 1990 baseline (427 MMT CO_2e). CARB's adoption of this limit is in accordance with California Health and Safety Code Section 38550.

In 2008, CARB adopted the Climate Change Scoping Plan: A Framework for Change (Scoping Plan) in accordance with California Health and Safety Code Section 38561. The Scoping Plan established an overall framework for the measures that would be adopted to reduce California's GHG emissions for various emission sources/sectors to 1990 levels by 2020 (CARB 2008). The Scoping Plan evaluated opportunities for sector-specific reductions, integrated all CARB and Climate Action Team early actions and additional GHG reduction features by both entities, identified additional measures to be pursued as regulations, and outlined the role of a cap-and-trade program. The key elements of the Scoping Plan are as follows (CARB 2008):

1. Expand and strengthen existing energy efficiency programs and building and appliance standards.
2. Achieve a statewide renewable energy mix of 33%.
3. Develop a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system and cap sources contributing 85% of California's GHG emissions.
4. Establish targets for transportation-related GHG emissions for regions throughout California, and pursue policies and incentives to achieve those targets.
5. Adopt and implement measures pursuant to existing state laws and policies, including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard.
6. Create targeted fees, including a public goods charge on water use, fees on high GWP gases, and a fee to fund the administrative costs of the State of California's long-term commitment to AB 32 implementation.

In the 2008 Scoping Plan, CARB determined that achieving the 1990 emissions level by 2020 would require a reduction in GHG emissions of approximately 29% from the otherwise projected 2020 emissions level (i.e., those emissions that would occur in 2020, absent GHG-reducing laws and regulations [referred to as "business-as-usual"]). For purposes of calculating this percent reduction, CARB assumed that all new electricity generation would be supplied by natural gas plants, no further regulatory action would impact vehicle fuel efficiency, and building energy efficiency codes would be held at 2005 standards.

In the 2011 Final Supplement to the Scoping Plan's Functional Equivalent Document (Final Supplement), CARB revised its estimates of the projected 2020 emissions level in light of the economic recession and the availability of updated information about GHG-reduction regulations. Based on the new economic data, CARB determined that achieving the 1990 emissions level by 2020 would require a reduction in GHG emissions of 22% (down from 29%) from the business-as-usual conditions. When the 2020 emissions level projection was updated to account for newly implemented regulatory measures, including Pavley I (model years 2009 through 2016) and the Renewables Portfolio Standard (RPS) (12% to 20%), CARB determined that achieving the 1990 emissions level by 2020 would require a reduction in GHG emissions of 16% (down from 29%) from the business-as-usual conditions (CARB 2011).

In 2014, CARB adopted the First Update to the Climate Change Scoping Plan: Building on the Framework (First Update). The stated purpose of the First Update was to "highlight California's success to date in reducing its GHG emissions and lay the foundation for establishing a broad framework for continued emission reductions beyond 2020, on the path to 80% below 1990 levels by 2050" (CARB 2014). The First Update found that California was on track to meet the 2020 emissions reduction mandate established by AB 32, and noted that California could reduce emissions further by 2030 to levels squarely in line with those needed to stay on track to reduce emissions to 80% below 1990 levels by 2050 if the state realizes the expected benefits of existing policy goals.

In conjunction with the First Update, CARB identified "six key focus areas comprising major components of the state's economy to evaluate and describe the larger transformative actions that will be needed to meet the state's more expansive emission reduction needs by 2050." Those six areas are energy, transportation (e.g., vehicles/ equipment, sustainable communities, housing, fuels, infrastructure), agriculture, water, waste management, and natural and working lands. The First Update identified key recommended actions for each sector that will facilitate achievement of EO S-3-05's 2050 reduction goal (CARB 2014).

Based on CARB's research efforts presented in the First Update, it has a "strong sense of the mix of technologies needed to reduce emissions through 2050." Those technologies include energy demand reduction through efficiency and activity changes; large-scale electrification of on-road vehicles, buildings, and industrial machinery; decarbonizing electricity and fuel supplies; and the rapid market penetration of efficient and clean energy technologies (CARB 2014).

As part of the First Update, CARB recalculated the state's 1990 emissions level using more recent GWPs identified by the Intergovernmental Panel on Climate Change. Using the recalculated 1990 emissions level (431 MMT CO_2e) and the revised 2020 emissions level projection identified in the 2011 Final Supplement, CARB determined that achieving the 1990 emissions level by 2020 required a reduction in GHG emissions of approximately 15% (instead of 29% or 16%) from the business-as-usual conditions (CARB 2014).

On January 20, 2017, CARB released the 2017 Climate Change Scoping Plan Update (Second Update) for public review and comment (CARB 2017b). This update proposed CARB's strategy for achieving the state's 2030 GHG target as established in SB 32 (discussed below), including continuing the cap-and-trade program through 2030.

The Second Update incorporated approaches to cutting short-lived climate pollutants (SLCPs) under the SLCP Reduction Strategy (CARB 2017a), acknowledged the need for reducing emissions in agriculture, and highlighted the work underway to ensure that California's natural and working lands increasingly sequester carbon. During development of the Second Update, CARB held a number of public workshops in the natural and working lands, agriculture, energy, and transportation sectors to inform development of the 2030 Scoping Plan Update (CARB 2017b). When discussing project-level GHG emissions-reduction actions and thresholds, the Second Update stated, "Achieving net zero increases in GHG emissions, resulting in no contribution to GHG impacts, may not be feasible or appropriate for every project, however, and the inability of a project to mitigate its GHG emissions to net zero does not imply the project results in a substantial contribution to the cumulatively significant environmental impact of climate change under CEQA" (CARB 2017b). The Second Update was approved by CARB's Governing Board on December 14, 2017.

The most recent update, the 2022 Scoping Plan, outlines the state's plan to reduce emissions and achieve carbon neutrality by 2045 in alignment with AB 1279. It also assesses progress toward achieving the 2030 SB 32 target (CARB 2022). The 2022 Scoping Plan builds on and accelerates programs currently in place, including moving to zero-emission transportation; phasing out the use of fossil gas for heating homes and buildings; reducing chemicals and refrigerants that have high GWPs; providing communities with sustainable options for walking, biking, and public transit; and reducing fossil-fuel-fired electrical generation through use of renewable energy alternatives (e.g., solar arrays and wind turbines) (CARB 2022). The 2045 carbon neutrality goal required CARB to expand proposed actions in the 2022 Scoping Plan to include those that capture and store carbon, in addition to those that only reduce anthropogenic sources of GHG emissions.

Many of the measures and programs included in the Scoping Plan would result in the reduction of project-related GHG emissions with no action required at the project level, including GHG emission reductions through increased energy efficiency and renewable energy production (SB 350), reduction in carbon intensity of transportation fuels (Low Carbon Fuel Standard), and the accelerated efficiency and electrification of the statewide vehicle fleet (Mobile Source Strategy). Of note, the 2022 Scoping Plan emphasized that reliance on carbon sequestration in California's natural and working lands will not be sufficient to address residual GHG emissions, and achieving carbon neutrality will require research, development, and deployment of additional methods to capture atmospheric GHG emissions (e.g., mechanical direct air capture).

Executive Order B-30-15

EO B-30-15 (April 2015) identified an interim GHG reduction target in support of targets previously identified under EO S-3-05 and AB 32. EO B-30-15 set an interim target goal of reducing statewide GHG emissions to 40% below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing statewide GHG emissions to 80% below 1990 levels by 2050, as set forth in EO S-3-05. To facilitate achievement of this goal, EO B-30-15 called for an update to CARB's Scoping Plan to express the 2030 target in terms of MMT CO_2e. EO B-30-15 also called for state agencies to continue developing and implementing GHG emission reduction programs in support of the reduction targets. EO B-30-15 does not require local agencies to take any action to meet the new interim GHG reduction target.

Senate Bill 32 and Assembly Bill 197

SB 32 and AB 197 (enacted in 2016) are companion bills that set new statewide GHG reduction targets, made changes to CARB's membership, increased legislative oversight of CARB's climate change–based activities, and

expanded dissemination of GHG and other air-quality-related emissions data to enhance transparency and accountability. More specifically, SB 32 codified the 2030 emissions reduction goal of EO B-30-15 by requiring CARB to ensure that statewide GHG emissions are reduced to 40% below 1990 levels by 2030. AB 197 established the Joint Legislative Committee on Climate Change Policies, consisting of at least three members of the Senate and three members of the Assembly, to provide ongoing oversight of implementation of the state's climate policies. AB 197 also added two members of the legislature to CARB as nonvoting members; required CARB to make available and update (at least annually through its website) emissions data for GHGs, criteria air pollutants, and TACs from reporting facilities; and required CARB to identify specific information for GHG emissions-reduction measures when updating the Scoping Plan.

Senate Bill 605 and Senate Bill 1383

SB 605 (2014) required CARB to complete a comprehensive strategy to reduce emissions of SLCPs in the state; SB 1383 (2016) required CARB to approve and implement the SLCP Reduction Strategy. SB 1383 also established specific targets for the reduction of SLCPs (40% below 2013 levels by 2030 for CH_4 and HFCs, and 50% below 2013 levels by 2030 for anthropogenic black carbon), and provided direction for reductions from dairy and livestock operations and landfills. Accordingly, and as mentioned above, CARB adopted its SLCP Reduction Strategy in March 2017, which established a framework for the statewide reduction of emissions of black carbon, CH_4, and fluorinated gases (CARB 2017a).

Executive Order B-55-18

EO B-55-18 (September 2018) established a new statewide goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter." This executive order directed CARB to "work with relevant state agencies to ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal."

Building Energy

California Code of Regulations Title 24, Part 6

Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. Although not initially promulgated to reduce GHG emissions, Part 6 of Title 24 specifically established building energy-efficiency standards that are designed to ensure new and existing buildings in California achieve energy efficiency and preserve outdoor and indoor environmental quality. These energy efficiency standards are reviewed every few years by the Building Standards Commission and the California Energy Commission (CEC) (and revised if necessary) (California Public Resources Code [PRC] Section 25402[b][1]). The regulations receive input from members of industry, as well as the public, with the goal of "reducing of wasteful, uneconomic, inefficient, or unnecessary consumption of energy" (PRC Section 25402). These regulations are carefully scrutinized and analyzed for technological and economic feasibility (PRC Section 25402[d]), and cost effectiveness (PRC Sections 25402[b][2] and [b][3]). These standards are updated to consider and incorporate new energy efficient technologies and construction methods. As a result, these standards save energy, increase electricity supply reliability, increase indoor comfort, avoid the need to construct new power plants, and help preserve the environment. The 2019 standards continue to improve upon the 2016 standards for new construction of, and additions and alterations to, residential and non-residential buildings. The 2019 standards went into effect on January 1, 2020.

California Code of Regulations Title 24, Part 11

In addition to the CEC's efforts, in 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (24 CCR 11) is commonly referred to as CALGreen and establishes minimum mandatory standards and voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality. CALGreen took effect in January 2011 and instituted mandatory minimum environmental performance standards for all ground-up, new construction of commercial; low-rise residential; and state-owned buildings, schools, and hospitals. The CALGreen 2019 standards went into effect on January 1, 2020, and continue to improve upon the 2016 CALGreen standards for new construction of, and additions and alterations to, residential and non-residential buildings.

California Code of Regulations Title 20

Title 20 of the California Code of Regulations requires manufacturers of appliances to meet state and federal standards for energy and water efficiency. Performance of appliances must be certified through the CEC to demonstrate compliance with standards. New appliances regulated under Title 20 include refrigerators, refrigerator/freezers, and freezers; room air conditioners and room air-conditioning heat pumps; central air conditioners; spot air conditioners; vented gas space heaters; gas pool heaters; plumbing fittings and plumbing fixtures; fluorescent lamp ballasts; lamps; emergency lighting; traffic signal modules; dishwashers; clothes washers and dryers; cooking products; electric motors; low-voltage dry-type distribution transformers; power supplies; televisions and consumer audio and video equipment; and battery charger systems. Title 20 presents protocols for testing each type of appliance covered under the regulations, and appliances must meet the standards for energy performance, energy design, water performance, and water design. Title 20 contains three types of standards for appliances: federal and state standards for federally regulated appliances, state standards for federally regulated appliances, and state standards for non-federally regulated appliances.

Assembly Bill 1109

Enacted in 2007, AB 1109 required the CEC to adopt minimum energy efficiency standards for general purpose lighting to reduce electricity consumption by 50% for indoor residential lighting and by 25% for indoor commercial lighting.

Executive Order N-10-21

In response to a state of emergency due to severe drought conditions, EO N-10-21 (July 2021) called on all Californians to voluntarily reduce their water use by 15% from their 2020 levels. Actions suggested in EO N-10-21 include reducing landscape irrigation, running dishwashers and washing machines only when full, finding and fixing leaks, installing water-efficient showerheads, taking shorter showers, using a shut-off nozzle on hoses, and taking cars to commercial car washes that use recycled water.

Renewable Energy and Energy Procurement

Senate Bill 1078

SB 1078 (2002) established the Renewables Portfolio Standard (RPS) program, which requires an annual increase in renewable generation by the utilities equivalent to at least 1% of sales, with an aggregate goal of 20% by 2017. This goal was subsequently accelerated, requiring utilities to obtain 20% of their power from renewable sources by 2010.

Senate Bill 1368

SB 1368 (2006) required the CEC to develop and adopt regulations for GHG emission performance standards for the long-term procurement of electricity by local publicly owned utilities. This effort helps protect energy customers from financial risks associated with investments in carbon-intensive generation by allowing new capital investments in power plants that have GHG emissions that are as low as or lower than new combined-cycle natural gas plants by requiring imported electricity to meet GHG performance standards in California and by requiring that the standards be developed and adopted in a public process.

Senate Bill X1 2

SB X1 2 (2011) expanded the RPS by establishing that 20% of the total electricity sold to retail customers in California per year by December 31, 2013, and 33% by December 31, 2020, and in subsequent years be secured from qualifying renewable energy sources. Under the bill, a renewable electrical generation facility is one that uses biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable fuels, small hydroelectric generation of 30 megawatts or less, digester gas, municipal solid waste conversion, landfill gas, ocean wave, ocean thermal, or tidal current, and that meets other specified requirements with respect to its location. In addition to the retail sellers previously covered by the RPS, SB X1 2 added local, publicly owned electric utilities to the RPS.

Senate Bill 350

SB 350 (2015) further expanded the RPS by establishing that 50% of the total electricity sold to retail customers in California per year by December 31, 2030, be secured from qualifying renewable energy sources. In addition, SB 350 included the goal to double the energy efficiency savings in electricity and natural gas final end uses (such as heating, cooling, lighting, or class of energy uses on which an energy efficiency program is focused) of retail customers through energy conservation and efficiency. The bill also required the California Public Utilities Commission (CPUC), in consultation with the CEC, to establish efficiency targets for electrical and gas corporations consistent with this goal.

Senate Bill 100

SB 100 (2018) increased the standards set forth in SB 350 establishing that 44% of the total electricity sold to retail customers in California per year by December 31, 2024, 52% by December 31, 2027, and 60% by December 31, 2030, be secured from qualifying renewable energy sources. Under SB 100, eligible renewable energy resources and zero-carbon resources must supply 100% of the retail sales of electricity to California. This bill requires that the achievement of 100% zero-carbon electricity resources does not increase the carbon emissions elsewhere in the western grid and that the achievement not occur through resource shuffling.

Mobile Sources

Executive Order S-1-07

Issued on January 18, 2007, EO S-1-07 set a declining Low Carbon Fuel Standard for GHG emissions measured in CO_2e grams per unit of fuel energy sold in California. The target of the Low Carbon Fuel Standard was to reduce the carbon intensity of California passenger vehicle fuels by at least 10% by 2020. The carbon intensity measures the amount of GHG emissions in the lifecycle of a fuel, including extraction/feedstock production, processing, transportation, and final consumption, per unit of energy delivered. CARB adopted the implementing regulation in April 2009. The regulation is expected to increase the production of biofuels, including those from alternative sources, such as algae, wood, and agricultural waste.

Senate Bill 375

SB 375 (2008) addresses GHG emissions associated with the transportation sector through regional transportation and sustainability plans. SB 375 required CARB to adopt regional GHG reduction targets for the automobile and light-truck sector for 2020 and 2035. Regional metropolitan planning organizations were then responsible for preparing a Sustainable Communities Strategy (SCS) within their Regional Transportation Plan (RTP). The goal of the SCS is to establish a forecasted development pattern for the region that, after considering transportation measures and policies, would achieve, if feasible, the GHG reduction targets. If an SCS is unable to achieve the GHG reduction target, a metropolitan planning organization must prepare an Alternative Planning Strategy demonstrating how the GHG reduction target would be achieved through alternative development patterns, infrastructure, or additional transportation measures or policies.

Pursuant to Government Code Section 65080(b)(2)(K), an SCS does not regulate the use of land; supersede the land use authority of cities or counties; or require that a city's or county's land use policies and regulations, including those in a General Plan, be consistent with it. Nonetheless, SB 375 makes regional and local planning agencies responsible for developing those strategies as part of the federally required metropolitan transportation planning process and the state-mandated Housing Element process.

In 2010, CARB adopted the SB 375 targets for the regional metropolitan planning organizations. The targets for SANDAG are a 7% reduction in emissions per-capita by 2020 and a 13% reduction by 2035.

SANDAG completed and adopted its 2050 RTP/SCS in October 2011 (SANDAG 2011). In November 2011, CARB, by resolution, accepted SANDAG's GHG emissions quantification analysis and determination that, if implemented, the 2050 RTP/SCS would achieve CARB's 2020 and 2035 GHG emissions-reduction targets for the region.

In October 2015, SANDAG adopted the Regional Plan. Like the 2050 RTP/SCS, the Regional Plan meets CARB's 2020 and 2035 reduction targets for the region (SANDAG 2015). In December 2015, CARB, by resolution, accepted SANDAG's GHG emissions quantification analysis and determination that, if implemented, the Regional Plan would achieve CARB's 2020 and 2035 GHG emissions reduction targets for the region.

On September 23, 2016, SANDAG's Board of Directors adopted the final 2016 RTIP, which is a multibillion-dollar, multiyear program of proposed major transportation projects in the San Diego region. Transportation projects funded with federal, state, and TransNet (the San Diego transportation sales tax program) must be included in an approved RTIP. The programming of locally funded projects may also be programmed at the discretion of SANDAG.

The 2016 RTIP covered 5 fiscal years and incrementally implemented the Regional Plan (SANDAG 2016). The 2021 Regional Plan was released in May 2021 and, at its meeting on February 26, 2021, the SANDAG Board of Directors adopted the final 2021 RTIP. The 2021 RTIP and its conformity determination were approved by the Federal Highway Administration and Federal Transit Administration on April 16, 2021. The 2021 Regional Plan provides a long-term blueprint for the San Diego region that seeks to meet regulatory requirements; address traffic congestion; and create equal access to jobs, education, healthcare, and other community resources (SANDAG 2021). The Regional Plan is the result of years of planning, data analysis, and community engagement to reimagine the San Diego region with a transformative transportation system, a sustainable pattern of growth and development, and innovative demand and management strategies.

The 2021 Regional Plan includes an SCS, as required by SB 375, for the San Diego region. This SCS describes coordinated transportation and land use planning that exceeds the state's target for reducing per-capita GHG emissions set by CARB. The state-mandated target is a 19% reduction—compared with 2005—in per-capita GHG emissions from cars and light-duty trucks by 2035. The 2021 Regional Plan would help achieve a 20% reduction by 2035 (SANDAG 2021). The 2021 Regional Plan also puts forth a forecasted development pattern driven by regional goals for sustainability, mobility, housing affordability, and economic prosperity.

An updated 2025 Draft Regional Plan was published in May 2025 (SANDAG 2025).

Advanced Clean Cars Program and Zero-Emission Vehicle Program

The Advanced Clean Cars I program (January 2012) was an emissions-control program for model years 2015 through 2025. The program combined the control of smog- and soot-causing pollutants and GHG emissions into a single, coordinated package of regulations: the Low-Emission Vehicle regulation for criteria air pollutant and GHG emissions, and a technology-forcing regulation for ZEVs that contributes to both types of emission reductions. The package included elements to reduce smog-forming pollution, reduce GHG emissions, promote clean cars, and provide fuels for clean cars. To improve air quality, CARB implemented new emission standards to reduce smog-forming emissions beginning with 2015 model year vehicles. It is estimated that in 2025, cars will emit 75% less smog-forming pollution than the average new car sold in 2015. The ZEV program acted as the focused technology of the Advanced Clean Cars I program by requiring manufacturers to produce increasing numbers of ZEVs and plug-in hybrid EVs in the 2018 to 2025 model years.

The Advanced Clean Cars II program is currently in development to establish the next set of low-emission-vehicle and ZEV requirements for model years after 2025 to contribute to meeting NAAQS O_3 standards and California's carbon neutrality standards. The main objectives of Advanced Clean Cars II are as follows:

1. Maximize criteria and GHG emission reductions through increased stringency and real-world reductions.
2. Accelerate the transition to ZEVs through both increased stringency of requirements and associated actions to support wide-scale adoption and use.

The Advanced Clean Cars II regulation by CARB is currently facing significant federal and legal challenges despite having received EPA approval in December 2024. The waiver granted by the EPA allowed California to enforce its Advanced Clean Cars II program, which mandates that 100% of new passenger vehicles sold in the state be ZEV by 2035, starting with a 35% ZEV requirement in model year 2026. However, in May 2025, the U.S. Senate voted to repeal the EPA waivers for Advanced Clean Cars II, along with CARB's Advanced Clean Trucks and Heavy-Duty Omnibus Low NOx regulations, under the Congressional Review Act. This move followed similar votes in the House

of Representatives. The legality of this repeal is under dispute—CARB and legal experts argue that EPA waivers are not subject to Congressional Review Act revocation, and CARB has vowed to challenge the repeal in court. The outcome remains uncertain, and the regulation's enforceability may hinge on ongoing litigation and potential executive action.

Advanced Clean Fleets Regulation

The Advanced Clean Fleets Regulation, adopted by CARB and effective as of October 1, 2023, is a cornerstone of California's strategy to transition medium- and heavy-duty vehicle fleets to ZEVs. The regulation applies to state and local government fleets, high-priority and federal fleets, and drayage trucks operating at ports and intermodal railyards. It requires that fleets begin replacing internal combustion engine vehicles with ZEVs as part of their normal turnover schedules. By 2036, the rule mandates that 100% of new medium- and heavy-duty vehicle sales in California be ZEVs, supporting the state's climate and air quality goals. CARB estimates the Advanced Clean Fleets regulation will introduce approximately 1.69 million ZEVs into California's fleet by 2050, resulting in $26.5 billion in statewide health benefits and $48 billion in fleet owner savings due to reduced fuel and maintenance costs. The regulation provides flexibility through exemptions and compliance pathways, including provisions for infrastructure delays and vehicle availability. However, the rule has faced legal and political challenges, particularly following federal actions to revoke California's CAA waivers. Despite this, CARB continues to enforce the regulation, and is pursuing legal avenues to maintain its authority.

Advanced Clean Trucks Regulation

The Advanced Clean Trucks regulation was approved by CARB in 2021. The purpose of the Advanced Clean Trucks regulation is to accelerate the market for ZEVs in the medium- and heavy-duty truck sector, and to reduce air pollutant emissions generated from on-road mobile sources (CARB 2021a). The regulation has two components: a manufacturer sales requirement and a reporting requirement, as follows:

- Zero-emission truck sales: Manufacturers that certify Class 2b to Class 8 chassis or complete vehicles with combustion engines will be required to sell zero-emission trucks as an increasing percentage of their annual California sales from 2024 to 2035. By 2035, zero-emission truck/chassis sales will need to be 55% of Class 2b to Class 3 truck sales, 75% of Class 4–8 straight truck sales, and 40% of truck tractor sales.
- Company and fleet reporting: Large employers, including retailers, manufacturers, brokers, and others, will be required to report information about shipments and shuttle services. Fleet owners with 50 or more trucks will be required to report about their existing fleet operations. This information will help identify future strategies to ensure that fleets purchase available zero-emission trucks and place them in service where suitable to meet their needs.

On June 12, 2025, Congress officially revoked the EPA waiver for the Advanced Clean Trucks regulation, along with waivers for CARB's Advanced Clean Cars II and Heavy-Duty Omnibus Low NOx rules. This action triggered legal challenges from the State of California, which argues that the revocations are unconstitutional and violate the CAA. Despite the repeal, CARB has reaffirmed its commitment to clean vehicle policies and is working with manufacturers under the Clean Truck Partnership to continue advancing zero-emission technologies. The legal status of the Advanced Clean Trucks regulation now hinges on pending court decisions regarding the legitimacy of using the Congressional Review Act to overturn EPA waivers.

Executive Order N-79-20

EO N-79-20 (September 2020) requires CARB to develop regulations as follows: (1) passenger vehicle and truck regulations requiring increasing volumes of new ZEVs sold in the state toward the target of 100% of in-state sales by 2035; (2) medium- and heavy-duty vehicle regulations requiring increasing volumes of new zero-emission trucks and buses sold and operated in the state toward the target of 100% of the fleet transitioning to ZEVs by 2045 everywhere feasible, and for all drayage trucks to be zero emission by 2035; and (3) strategies, in coordination with other state agencies, the EPA, and local air districts, to achieve 100% zero-emission off-road vehicles and equipment operations in the state by 2035. EO N-79-20 called for the development of a Zero-Emissions Vehicle Market Development Strategy, which was released in February 2021, to be updated every 3 years, that ensures coordination and implementation of the executive order and outlines actions to support new and used ZEV markets. In addition, EO N-79-20 specifies identification of near-term actions and investment strategies to improve clean transportation, sustainable freight, and transit options, and calls for development of strategies, recommendations, and actions by July 15, 2021, to manage and expedite the responsible closure and remediation of former oil extraction sites as the state transitions to a carbon-neutral economy.

Executive Order B-16-12

EO B-16-12 (2012) directs state entities under the governor's direction and control to support and facilitate development and distribution of ZEVs. This executive order also set a target of reaching 1.5 million ZEVs on California's roadways by 2025. On a statewide basis, EO B-16-12 establishes a GHG emissions-reduction target from the transportation sector equaling 80% less than 1990 levels by 2050. In furtherance of this executive order, the governor convened an interagency working group on ZEVs that has published multiple reports regarding the progress made on the penetration of ZEVs in the statewide vehicle fleet.

Assembly Bill 1236

AB 1236 (2015) requires local land use jurisdictions to approve applications for the installation of EV charging stations, as defined, through the issuance of specified permits, unless there is substantial evidence in the record that the proposed installation would have a specific, adverse impact on the public health or safety and there is no feasible method to satisfactorily mitigate or avoid the specific, adverse impact. The bill provides for appeal of that decision to the planning commission, as specified. AB 1236 required local land use jurisdictions with a population of 200,000 or more residents to adopt an ordinance, by September 30, 2016, that creates an expedited and streamlined permitting process for EV charging stations, as specified.

Senate Bill 350

In 2015, SB 350—the Clean Energy and Pollution Reduction Act—was enacted into law. As one of its elements, SB 350 established a statewide policy for widespread electrification of the transportation sector, recognizing that such electrification is required for achievement of the state's 2030 and 2050 reduction targets (see California Public Utilities Code Section 740.12).

Executive Order B-48-18

EO B-48-18 (2018) launched an 8-year initiative to accelerate the sale of EVs through a mix of rebate programs and infrastructure improvements. The executive order also set a new EV target of 5 million EVs in California by

2030. EO B-48-18 included funding for multiple state agencies, including the CEC, to increase EV charging infrastructure and for CARB to provide rebates for the purchase of new EVs and purchase incentives for low-income customers.

Solid Waste

Assembly Bill 939 and Assembly Bill 341

In 1989, AB 939, known as the Integrated Waste Management Act (PRC Sections 40000 et seq.), was passed because of the increase in waste stream and the decrease in landfill capacity. The statute established the California Integrated Waste Management Board, which oversees a disposal reporting system. AB 939 mandated a reduction of waste being disposed, where jurisdictions were required to meet diversion goals of all solid waste through source reduction, recycling, and composting activities of 25% by 1995 and 50% by 2000.

AB 341 (2011) amended the California Integrated Waste Management Act of 1989 to include a provision declaring that it is the policy goal of the state that not less than 75% of solid waste generated be source-reduced, recycled, or composted by 2020, and annually thereafter. In addition, AB 341 required the California Department of Resources Recycling and Recovery to develop strategies to achieve the state's policy goal. The California Department of Resources Recycling and Recovery conducted workshops and published documents that identified priority strategies to assist the state in reaching the 75% goal by 2020 (CalRecycle 2015).

SB 1383, signed into law in 2016, is California's landmark legislation targeting SLCPs, with a strong focus on reducing methane (CH_4) emissions from organic waste. The law mandates a 75% reduction in organic waste disposal from 2014 levels by 2025, and a 20% increase in edible food recovery. To meet these goals, jurisdictions across California are required to implement organic waste collection programs; expand food recovery infrastructure; and ensure compliance through education, outreach, and enforcement. SB 1383 also sets a 40% methane reduction target for the dairy and livestock sector by 2030.

Water

Executive Order B-29-15

In response to the ongoing drought in California, EO B-29-15 (April 2015) set a goal of achieving a statewide reduction in potable urban water usage of 25% relative to water use by 2013. The term of the executive order extended through February 28, 2016, although many of the directives have since become permanent water-efficiency standards and requirements. EO B-29-15 includes specific directives that set strict limits on water usage in the state. In response to EO B-29-15, the California Department of Water Resources modified and adopted a revised version of the Model Water Efficient Landscape Ordinance that, among other changes, significantly increased the requirements for landscape water use efficiency and broadened its applicability to include new development projects with smaller landscape areas.

Other State Regulations and Goals

Senate Bill 97

SB 97 (August 2007) directed the Governor's Office of Planning and Research (now the Governor's Office of Land Use and Climate Innovation) to develop guidelines under CEQA for the mitigation of GHG emissions. In 2008, the Office of Planning and Research issued a technical advisory as interim guidance regarding the analysis of GHG emissions in CEQA documents. The advisory indicated that the lead agency should identify and estimate a project's GHG emissions, including those associated with vehicular traffic, energy consumption, water usage, and construction activities (OPR 2008). The advisory further recommended that the lead agency determine significance of the impacts and impose all mitigation measures necessary to reduce GHG emissions to a level that is less than significant. The California Natural Resources Agency (CNRA) adopted the CEQA Guidelines amendments in December 2009, which became effective in March 2010.

Under the amended CEQA Guidelines, a lead agency has the discretion to determine whether to use a quantitative or qualitative analysis or apply performance standards to determine the significance of GHG emissions resulting from a particular project (14 CCR 15064.4[a]). The CEQA Guidelines require a lead agency to consider the extent to which a project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4[b]). The CEQA Guidelines also allow a lead agency to consider feasible means of mitigating the significant effects of GHG emissions, including reductions in emissions, through implementation of project features or off-site measures. The adopted amendments do not establish a GHG emission threshold, instead allowing a lead agency to develop, adopt, and apply its own thresholds of significance or those developed by other agencies or experts. The CNRA also acknowledges that a lead agency may consider compliance with regulations or requirements implementing AB 32 in determining the significance of a project's GHG emissions (CNRA 2009).

With respect to GHG emissions, CEQA Guidelines Section 15064.4(a) states that lead agencies should "make a good faith effort, to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions. The CEQA Guidelines note that an agency may identify emissions by either selecting a "model or methodology" to quantify the emissions or by relying on "qualitative analysis or other performance based standards" (14 CCR 15064.4[a]). Section 15064.4(b) states that the lead agency should consider the following when assessing the significance of impacts from GHG emissions on the environment: (1) the extent a project may increase or reduce GHG emissions as compared to the existing environmental setting; (2) whether project emissions exceed a threshold of significance that the lead agency determines applies to the project; and (3) the extent to which a project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4[b]).

Executive Order S-13-08

EO S-13-08 (November 2008) is intended to hasten California's response to the impacts of global climate change, particularly sea-level rise. Therefore, the executive order directs state agencies to take specified actions to assess and plan for such impacts. The final 2009 California Climate Adaptation Strategy report was issued in December 2009, and an update, Safeguarding California: Reducing Climate Risk, followed in July 2014 (CNRA 2014). To assess the state's vulnerability, the report summarizes key climate change impacts to the state for the following areas: agriculture, biodiversity and habitat, emergency management, energy, forestry, ocean and coastal ecosystems and resources, public health, transportation, and water. Issuance of the Safeguarding California:

Implementation Action Plans followed in March 2016 (CNRA 2016). In May 2017 and January 2018, the CNRA released 2017 and 2018 updates, which communicated current and needed actions that state government should take to build climate change resiliency (CNRA 2017, 2018).

Center for Biological Diversity v. California Department of Fish and Wildlife

In its decision in *Center for Biological Diversity v. California Department of Fish and Wildlife* (*Newhall*) 62 Cal.4th 204 (2015), the California Supreme Court set forth several options that lead agencies may consider for evaluating the cumulative significance of a project's GHG emissions:

1. A calculation of emissions reductions compared to a business-as-usual scenario based on the emissions reductions in CARB's Scoping Plan, including examination of the data to determine what level of reduction from business-as-usual a new land use development at the proposed location must contribute in order to comply with statewide goals.
2. A lead agency might assess consistency with AB 32's goals by looking to compliance with regulatory programs designed to reduce GHG emissions from particular activities.
3. A lead agency may use geographically specific GHG emission reduction plans to provide a basis for tiering and streamlining of project-level CEQA analysis.
4. A lead agency may rely on existing numerical thresholds of significance for GHG emissions, although use of such thresholds is not required.

The Newhall decision specifically found that use of a numerical threshold is not required.

3.2.3 Local Regulations

3.2.3.1 San Diego County Air Pollution Control District

The SDAPCD does not have established GHG rules, regulations, or policies.

3.2.3.2 San Diego Unified Port District

The District developed the Green Port Program to support the goals of the Green Port Policy, which was adopted in 2008. The Green Port Program supports resource conservation, waste reduction, and pollution prevention. The Clean Air Program (developed in 2007) is one key area of the Green Port Program, with the primary goal of reducing GHG emissions and other air emissions from Port of San Diego operations at its three marine terminals. The Clean Air Program seeks to voluntarily reduce emissions through the identification and evaluation of feasible and effective control measures. Through this program, the District identified control measures to achieve a reduction of pollutants from the largest sources. Recent updates to the Clean Air Program include the MCAS, which is a strategic planning document identifying goals and objectives that are consistent with the District Board of Port Commissioners' vision of health equity and a clean, sustainable, and modern seaport. The MCAS is intended to guide future decision-making and provide a planning framework for potential future actions that may be implemented to achieve the goals and objectives identified in the MCAS. A detailed description of the MCAS is provided in Section 2.2.3, Local Regulations, and is summarized in the context of GHG emissions below. The District and San Diego Gas & Electric Company (SDG&E) have also established a partnership to increase energy efficiency and reduce overall energy consumption.

Climate Action Plan

CARB encourages local governments to adopt a reduction goal for municipal operations emissions and move toward establishing similar goals for community emissions that parallel the state's commitment to reducing GHG emissions (CARB 2008). The District adopted a CAP in December 2013. The CAP includes an inventory of existing (2006) and projected emissions for 2020, 2035, and 2050, and identified the District's GHG reduction goals and measures to support meeting the statewide reduction goals set forth in AB 32 (1990 levels by 2020). Port-wide 1990 emissions were not quantified given activity data gaps; instead, a base year of 2006 was used to calculate reductions needed at the Port to reach 1990 levels by 2020. Consistent with AB 32 targets, a 10% reduction target (471.3 million MT CO_2e in 2006 and estimated 426.6 million MT CO_2e in 1990 statewide) was used as the Port-wide reduction target for 2020 (San Diego Unified Port District 2013).

Green Port Program and Green Port Policy (Board of Port Commissioners Policy No. 736)

The District's Board of Port Commissioners adopted the Green Port Policy in 2007. This policy establishes guiding principles to achieve long-term environmental, societal, and economic benefits through resource conservation, waste reduction, and pollution prevention. The policy provides the overall framework for the Green Port Program. The Green Port Program is an umbrella program designed to achieve the District's environmental sustainability goals in six key areas: water, energy, air, waste management, sustainable development, and sustainable business practices. It was established in early 2008 to achieve the objectives outlined in the District's Green Port Policy. Policy objectives include the following.

- Minimize, to the extent practicable, environmental impacts directly attributable to operations on San Diego Bay and the tidelands.
- Strengthen the District's financial position by maximizing the long-term benefits of energy and resource conservation.
- Prevent pollution and improve personal, community, and environmental health.
- When possible, exceed applicable environmental laws, regulations, and other industry standards.
- Ensure a balance of environmental, social, and economic concerns are considered during planning, development, and operational decisions.
- Define and establish performance-driven environmental sustainability objectives, targets, and programs.
- Monitor key environmental indicators and consistently improve performance.
- Foster socially and environmentally responsible behavior through communications with employees, tenants, affected parties, and the community.
- Collaborate with tenants to develop an integrated, measurable, Bay-wide environmental sustainability effort.

At present, the Green Port Program primarily focuses on things the District can do to be more environmentally sustainable, such as using less water and being more energy efficient in its own operations. In the future, the District will work with its tenants (businesses that lease bayfront land from the District), local environmental groups, and others around San Diego Bay to identify ways they can support the Green Port Program.

Maritime Clean Air Strategy

As noted above, the MCAS is a strategic planning document that is intended to guide future decision-making and provide a planning framework for potential future actions that may be implemented to achieve the goals and objectives identified in the MCAS. Although the vision of the MCAS is Health Equity for All, with a primary focus on air pollutants that contribute to negative health outcomes (criteria pollutants and TACs), most of the measures in the MCAS achieve GHG reductions as a co-benefit. For example, MCAS Truck Goal 1 aims to improve air quality in the Portside Community by accelerating the implementation of zero-emission/near-zero-emission trucks. Electrifying trucks is an air quality- and health-driven goal designed to reduce diesel emissions from trucks traveling through neighboring communities. However, this effort would achieve GHG reductions as a co-benefit because the electrical grid emits less GHG emissions than diesel combustion. Moreover, as the electrical grid gets cleaner (lower emitting) over time due to RPS and overall net-zero generation goals, GHG emissions from trucks, and all other equipment that transitions from combustion to electric, will trend down even more over time (San Diego Unified Port District 2021).

The MCAS includes ambitious, long-term goals for 2030, including the following (San Diego Unified Port District 2021):

- Long-Term Goal for Trucks: In advance of the State's goals identified in Executive Order No. N-79-20, attain 100% zero-emission truck trips by 2030 for all trucks that call at the Port's two marine cargo terminals.
- Long-Term Goal for Cargo Handling Equipment: In advance of the state's goals identified in Executive Order No. N-79-20, the transition of diesel cargo handling equipment to 100% zero-emission equipment by 2030.

Long-term goals include the following (San Diego Unified Port District 2021):

- Long-Term Goal for Harbor Craft: Tugboat-related diesel particulate matter (DPM) emissions identified in the District's Emissions Inventory (2019) will be reduced by half by transitioning to zero-emission/near-zero-emission technologies and/or other lower-emitting engines or alternative fuels.
- Long-Term Goal for Port Fleet: Transition Port-owned fleet of vehicles and equipment to ZE/NZE [zero-emission/near-zero-emission] emission technologies in manner that meets operational needs and reduces emissions, as outlined below:
  - Beginning in 2022, transition light-, medium-, and heavy-duty vehicles to zero-emission vehicles.
  - Transition emergency vehicles to alternative fuels, including hybrid, electric, and/or low-carbon fuels.
  - Convert equipment, such as forklifts and lawn maintenance equipment, to zero-emission equipment.
  - Seek opportunities to advance lower-emitting solutions for marine vessels.
- Long-Term Goal for Ocean-Going Vessels: Equip marine terminals with shore power and/or an alternative technology to reduce ocean-going vessel emissions for ships that call to the Port.

The MCAS is intended to keep the District in front of and go beyond state goals and regulations. The MCAS will serve as a living document, and District staff report to the Board of Port Commissioners annually on implementation, and every 2 years for more in-depth reporting related to heavy-duty trucks. The measures in the MCAS may change over time based on Board of Port Commissioners direction or as technology improvements occur.

The draft revised MCAS was released for public review in August 2021, and it was adopted by the District Board of Port Commissioners in October 2021. The goals and strategies guide the District's investments in zero-emission technology and electrification, and allow the District to help tenants and terminal operators prioritize replacements over time. The MCAS is intended to guide future decision-making and provide a planning framework for potential future actions that may be implemented to achieve the goals and objectives identified in the MCAS. The MCAS focuses on maritime and shipyard activities (San Diego Unified Port District 2021). Measures from the MCAS, and potentially the CERP (SDAPCD 2021b), are applicable to new projects as they arise.

3.2.3.3 San Diego Association of Governments

The 2021 Regional Plan includes an SCS, as required by SB 375, for the San Diego region. This SCS describes coordinated transportation and land use planning that exceeds the state's target for reducing per-capita GHG emissions set by CARB. The state-mandated target is a 19% reduction—compared with 2005—in per-capita GHG emissions from cars and light-duty trucks by 2035. The 2021 Regional Plan would achieve a 20% reduction by 2035. The 2021 Regional Plan also puts forth a forecasted development pattern driven by regional goals for sustainability, mobility, housing affordability, and economic prosperity (SANDAG 2021). An updated Draft Regional Plan was published in May 2025 (SANDAG 2025).

The SANDAG Sustainable Freight Strategy, finalized in March 2024, outlines a regional plan to transition freight operations in San Diego and Imperial Counties toward cleaner, more-efficient, and equitable systems. Developed with support from the California Department of Transportation and extensive community engagement, the strategy identifies 11 priority actions focused on ZEV deployment, multimodal infrastructure improvements, and workforce development. It emphasizes reducing environmental impacts in disadvantaged communities, enhancing freight efficiency, and preparing the labor force for emerging technologies. The strategy positions the region as a leader in sustainable freight planning while balancing economic growth, environmental health, and social equity (SANDAG 2024b).

3.3 Greenhouse Gas Inventories and Climate Change Conditions

3.3.1 Sources of Greenhouse Gas Emissions

Global Inventory

GHG emissions worldwide in 2022 (the most recent year for which data are available) totaled approximately 53,786 MMT CO_2e, excluding land use change and forestry (Joint Research Centre 2023). Six countries—China, the United States, India, Russia, Japan, and Brazil—and the European Union accounted for approximately 62% of the total global emissions, or approximately 33,124 MMT CO_2e (Joint Research Centre 2023) (Table 10).

Table 10. Top Greenhouse Gas Producer Countries/Regions

Emitting Country/Region	2022 GHG Emissions (MMT CO_2e)[a,b]
China	15,685
United States	6,017

Table 10. Top Greenhouse Gas Producer Countries/Regions

Emitting Country/Region	2022 GHG Emissions (MMT CO_2e)[a,b]
India	3,943
European Union	3,588
Russia	2,580
Brazil	1,311
Total	33,124

Source: Joint Research Centre 2023.
Notes: GHG = greenhouse gas; MMT CO_2e = million metric tons of carbon dioxide equivalent.
[a] Column may not sum due to rounding.
[b] GHG emissions do not include land use change and forestry-related GHG emissions.

National and State Inventories

Per the 2024 EPA Inventory of U.S. GHG Emissions and Sinks: 1990–2022, total U.S. GHG emissions were approximately 6,343 MMT CO_2e in 2022 (EPA 2024b). The primary GHG emitted by human activities in the United States was CO_2, which represented approximately 79.7% of total GHG emissions (5,053 MMT CO_2e). The largest source of CO_2, and of overall GHG emissions, was fossil-fuel combustion, which accounted for approximately 93% of CO_2 emissions in 2022 (4,699 MMT CO_2e). Relative to the 1990 emissions level, gross U.S. GHG emissions in 2022 were 3% lower. GHG emissions increased from 2021 to 2022 by 0.2% (14.4 MMT CO_2e) and, overall, net emissions in 2022 were 15.4% below 2005 levels (EPA 2024b).

According to California's 2000 through 2022 GHG emissions inventory (2024 edition), California emitted 371.1 MMT CO_2e in 2022, including emissions resulting from out-of-state electrical generation (CARB 2024). The sources of GHG emissions in California include transportation, industry, electric power production from both in-state and out-of-state sources, residential and commercial activities, agriculture, high GWP substances, and recycling and waste. The California GHG emissions source categories and their relative contributions in 2022 are presented in Table 11.

Table 11. Greenhouse Gas Emissions Sources in California

Source Category	Annual GHG Emissions (MMT CO_2e)	Percent of Total[a]
Transportation	139.9	37.7%
Industrial	72.7	19.6%
Electricity (in state)	42.2	11.4%
Electricity (imports)	17.5	4.7%
Agriculture	29.8	8.0%
Residential	24.7	6.6%
Commercial	14.8	4.0%
High global-warming potential substances	21.3	5.7%
Recycling and waste	8.2	2.2%
Total	371.1	100%

Source: CARB 2024.
Notes: GHG = greenhouse gas; MMT CO_2e = million metric tons of carbon dioxide equivalent.
[a] Column may not sum due to rounding.

From 2000 to 2022, the carbon intensity of California's economy decreased by 54.8% while the gross state product increased by 77.5%. California's gross state product increased 0.7% in 2022. Emissions per gross state product declined by 3.1% from 2021 to 2022 (CARB 2024).

The District provided its GHG emission inventory in its 2016 Maritime Air Emissions Inventory (San Diego Unified Port District 2018). The District's GHG emissions for 2016 are presented in Table 12.

Table 12. San Diego Unified Port District Greenhouse Gas Emissions Sources

Source Category	Annual GHG Emissions (MT CO_2e)	Percent of Total[a]
Harbor Craft	25,500	37.8%
Ocean-Going Vessels	22,500	33.4%
On-Road Vehicles	14,601	21.7%
Freight Rail	2,646	3.9%
Cargo Handling Equipment	2,183	3.2%
Totals	**67,431**	**100%**

Source: San Diego Unified Port District 2018.
Notes: GHG = greenhouse gas; MT CO_2e = metric tons of carbon dioxide equivalent.
[a] Percentage of total has been rounded, and total may not sum due to rounding.

3.3.2 Potential Effects of Climate Change

Globally, climate change has the potential to affect numerous environmental resources through uncertain impacts related to future air temperatures and precipitation patterns. The 2014 Intergovernmental Panel on Climate Change Synthesis Report indicated that warming of the climate system is unequivocal, and since the 1950s, many of the observed changes are unprecedented over decades to millennia. Signs that global climate change has occurred include warming of the atmosphere and ocean, diminished amounts of snow and ice, and rising sea levels (IPCC 2014).

In California, climate change impacts have the potential to affect sea-level rise, agriculture, snowpack and water supply, forestry, wildfire risk, public health, and electricity demand and supply (CCCC 2006). The primary effect of global climate change has been a 0.2°C rise in average global tropospheric temperature per decade, determined from meteorological measurements worldwide from 1990 to 2005. Scientific modeling predicts that continued emissions of GHGs at or above current rates would induce more extreme climate changes during the 21st century than were observed during the 20th century. A warming of approximately 0.2°C [0.36°F]) per decade is projected, and there are identifiable signs that global warming could be taking place.

Although climate change is driven by global atmospheric conditions, climate change impacts are felt locally. A scientific consensus confirms that climate change is already affecting California. The average temperatures in California have increased, leading to more extreme hot days and fewer cold nights; shifts in the water cycle have been observed, with less winter precipitation falling as snow, and both snowmelt and rainwater running off earlier in the year; sea levels have risen; and wildland fires are becoming more frequent and intense due to dry seasons that start earlier and end later (CAT 2010).

An increase in annual average temperature is a reasonably foreseeable effect of climate change. Observed changes over the last several decades across the western United States reveal clear signals of climate change. Statewide

average temperatures increased by approximately 1.7°F from 1895 to 2011, and warming has been the greatest in the Sierra Nevada (CCCC 2012). By 2050, California is projected to warm by approximately 2.7°F above 2000 averages, a threefold increase in the rate of warming over the last century. By 2100, average temperatures could increase by 4.1°F to 8.6°F, depending on emissions levels. Springtime warming—a critical influence on snowmelt—will be particularly pronounced. Summer temperatures will rise more than winter temperatures, and the increases will be greater in inland California compared to the coast. Heat waves will be more frequent, hotter, and longer. There will be fewer extremely cold nights (CCCC 2012). It is predicted that the Sierra snowpack, which accounts for approximately half of the surface water storage in California and much of the state's water supply, will decline by 30% to as much as 90% over the next 100 years (CAT 2006).

Model projections for precipitation over California continue to show the Mediterranean pattern of wet winters and dry summers with seasonal, year-to-year, and decade-to-decade variability. For the first time, however, several of the improved climate models shift toward drier conditions by the mid-to-late 21st century in central and, most notably, Southern California. By the late 21st century, all projections show drying, and half of them suggest the 30-year average precipitation will decline by more than 10% below the historical average (CCCC 2012).

A summary of current and future climate change impacts to resource areas in California, as discussed in Safeguarding California: Reducing Climate Risk (CNRA 2014), is provided below.

Agriculture. The impacts of climate change on the agricultural sector are far more severe than the typical variability in weather and precipitation patterns that occur year to year. The agriculture sector and farmers face specific challenges that include more drastic and unpredictable precipitation and weather patterns; extreme weather events that range from severe flooding and extreme drought to destructive storm events; significant shifts in water availably and water quality; changes in pollinator lifecycles; temperature fluctuations, including extreme heat stress and decreased chill hours; increased risks from invasive species and weeds, agricultural pests, and plant diseases; and disruptions to the transportation and energy infrastructure supporting agricultural production. These challenges and associated short-term and long-term impacts will have negative effects on agricultural production. It is predicted that current crop and livestock production will suffer long-term negative effects, resulting in a substantial decrease in the agricultural sector if climate change is not managed or mitigated.

Biodiversity and Habitat. The state's extensive biodiversity stems from its varied climate and assorted landscapes, which have resulted in numerous habitats where species have evolved and adapted over time. Specific climate change challenges to biodiversity and habitat include species migration in response to climatic changes; range shift and novel combinations of species; pathogens, parasites, and disease; invasive species; extinction risks; changes in the timing of seasonal life-cycle events; food web disruptions; and threshold effects (i.e., a change in the ecosystem that results in a "tipping point" beyond which irreversible damage or loss has occurs). Habitat restoration, conservation, and resource management across California and through collaborative efforts among public, private, and nonprofit agencies have assisted in the effort to fight climate change impacts on biodiversity and habitat. One of the key measures in these efforts is ensuring species' ability to relocate as temperature and water availability fluctuate as a result of climate change.

Energy. Specific climate change challenges for the energy sector include increasing temperatures, fluctuating precipitation patterns, increasing extreme weather events, and sea-level rise. Increasing temperatures and reduced snowpack negatively impact the availability of a steady flow of snowmelt to hydroelectric reservoirs. Higher temperatures also reduce the capacity of thermal power plants because power plant cooling is less efficient at higher ambient temperatures. Increased temperatures will also increase electricity demand associated with air

conditioning. Natural gas infrastructure in coastal California is threatened by sea-level rise and extreme storm events.

Forestry. Forests occupy approximately 33% of California's 100 million acres and provide key benefits, such as wildlife habitat, absorption of CO_2, and building materials. The most significant climate-change-related risks to forests are accelerated risk of wildfire and more frequent and severe droughts. Droughts have resulted in more large-scale tree mortalities and, combined with increasing temperatures, have led to an overall increase in wildfire risks. Increased wildfire intensity subsequently increases public safety risks, property damage, fire suppression and emergency response costs, watershed and water quality impacts, and vegetation conversions. These factors contribute to decreased forest growth, geographic shifts in tree distribution, loss of fish and wildlife habitat, and decreased carbon absorption. Climate change may result in increased establishment of non-native species, particularly in rangelands where invasive species are already a problem. Invasive species may be able to exploit temperature or precipitation changes or quickly occupy areas denuded by fire, insect mortality, or other climate change effects on vegetation.

Ocean and Coastal Ecosystems and Resources. Sea-level rise, changing ocean conditions, and other climate change stressors are likely to exacerbate long-standing challenges related to ocean and coastal ecosystems, in addition to threatening people and infrastructure located along the California coastline and in coastal communities. Sea-level rise, in addition to more frequent and severe coastal storms and erosion, is threatening vital infrastructure, such as roads, bridges, power plants, ports, airports, gasoline pipes, and emergency facilities, as well as negatively impacting coastal recreational assets, such as beaches and tidal wetlands. Water quality and ocean acidification threaten the abundance of seafood and other plant and wildlife habitats throughout California and globally.

Public Health. Climate change can impact public health through various environmental changes and is the largest threat to human health in the 21st century. Changes in precipitation patterns affect public health primarily through potential for altered water supplies and extreme events, such as heat, floods, droughts, and wildfires. Increased frequency, intensity, and duration of extreme heat and heat waves is likely to increase the risk of mortality due to heat-related illness and exacerbate existing chronic health conditions. Other extreme weather events are likely to negatively impact air quality and increase or intensify respiratory illness, such as asthma and allergies. Additional health impacts that may be caused by climate change include cardiovascular disease, vector-borne diseases, mental health impacts, and malnutrition effects. Increased frequency of these ailments is likely to subsequently increase the direct risk of injury and/or mortality.

Transportation. Residents of California rely on airports, seaports, public transportation, and an extensive roadway network to gain access to destinations, goods, and services. Although the transportation industry is a source of GHG emissions, it is also vulnerable to climate change risks. Particularly, sea-level rise and erosion threaten many coastal California roadways, airports, seaports, transit systems, bridges, and energy and fueling infrastructure. Increasing temperatures and extended periods of extreme heat threaten the integrity of roadways and rail lines. High temperatures cause road surfaces to expand, which leads to increased pressure and pavement buckling. High temperatures can also cause rail breakages, which could lead to train derailment. Other forms of extreme weather events, such as extreme storm events, can negatively impact infrastructure, which can impair movement of people and goods, or potentially block evacuation routes and emergency access roads. Increased wildfires, flooding, erosion risks, landslides, mudslides, and rockslides can all profoundly impact the transportation system and pose a serious risk to public safety.

Water. Water resources in California support residences, plants, wildlife, farmland, landscapes, and ecosystems, and bring trillions of dollars in economic activity. Climate change could seriously impact the timing, form, and amount of precipitation; runoff patterns; and the frequency and severity of precipitation events. Higher temperatures reduce the amount of snowpack and lead to earlier snowmelt, which can impact water supply availability, natural ecosystems, and winter recreation. Water supply availability during the intense dry summer months is heavily dependent on the snowpack accumulated during the winter. Increased risk of flooding has a variety of public health concerns, including water quality, public safety, property damage, displacement, and post-disaster mental health problems. Prolonged and intensified droughts can also negatively affect groundwater reserves and result in increased overdraft and subsidence. Droughts can negatively impact agriculture and farmland throughout the state. The higher risk of wildfires can lead to increased erosion, which can negatively impact watersheds and result in poor water quality. Water temperatures are also prone to increases, which can negatively impact wildlife that rely on a specific range of temperatures for suitable habitat.

In May 2017, the CNRA released the draft Safeguarding California Plan: 2017 Update, which was a survey of programmatic responses for climate change and contained recommendations for further actions (CNRA 2017).

3.4 Significance Criteria and Methodology

3.4.1 Thresholds of Significance

Appendix G of the CEQA Guidelines provides guidelines for addressing the significance of GHG emissions impacts (14 CCR 15000 et seq.). Appendix G provides that a project would have a significant environmental impact if it would:

1. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.
2. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

The Appendix G thresholds for GHGs do not prescribe specific methodologies for performing an assessment, do not establish specific thresholds of significance, and do not mandate specific mitigation measures. Rather, the CEQA Guidelines emphasize the lead agency's discretion to determine the appropriate methodologies and thresholds of significance consistent with the manner in which other impact areas are handled in CEQA (CNRA 2009). Additional guidance regarding the assessment of GHGs is discussed below.

CEQA Guidelines

CEQA Guidelines Section 15064.4(a) states that lead agencies "shall make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions resulting from a project. The CEQA Guidelines note that an agency has the discretion to either quantify a project's GHG emissions or rely on a "qualitative analysis or performance based standards" (14 CCR 15064.4[a]). A lead agency may use a "model or methodology" to estimate GHG emissions, and has the discretion to select the model or methodology it considers "most appropriate to enable decision makers to intelligently take into account the project's incremental contribution to climate change" (14 CCR 15064.4[c]). The CEQA Guidelines provide that the lead agency should consider the

following when determining the significance of impacts from GHG emissions on the environment (14 CCR 15064.4[b]):

1. The extent a project may increase or reduce greenhouse gas emissions as compared to the existing environmental setting.
2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
3. The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of greenhouse gas emissions.

In addition, the CEQA Guidelines specify that "when adopting or using thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence" (14 CCR 15064.7[c]).

The extent to which a project increases or decreases GHG emissions in the existing environmental setting should be estimated in accordance with Section 15064.4, Determining the Significance of Impacts from Greenhouse Gas Emissions, of the CEQA Guidelines. The CEQA Guidelines indicate that when calculating GHG emissions resulting from a project, lead agencies must make a good-faith effort based on scientific and factual data (14 CCR 15064.4[a]), and lead agencies have the discretion to select the model or methodology deemed most appropriate for enabling decision makers to intelligently assess the project's incremental contribution to climate change (14 CCR 15064.4[c]).

The CEQA Guidelines do not indicate an amount of GHG emissions that constitutes a significant impact on the environment. Instead, they authorize the lead agency to consider thresholds of significance previously adopted or recommended by other public agencies or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence (14 CCR 15064.4[a] and 15064.7[c]). Several agencies throughout the state have drafted and/or adopted numerical threshold approaches and guidelines for analyzing the significance of project-related GHG emissions, including the South Coast Air Quality Management District's 3,000 MT CO_2e annual threshold for residential/commercial or mixed-use projects (SCAQMD 2010), among others. However, no numerical thresholds have been formally adopted by an air district or lead agency for use in the San Diego region.

In the absence of an adopted numerical threshold for the region, the significance of project-related GHG emissions can be determined by evaluating a project's compliance with regulations or requirements adopted to implement statewide, regional, or local plans for the reduction or mitigation of GHG emissions. As discussed in Section 3.2.2, State Regulations, the state's 2030 target (reduce GHG emissions to 40% below 1990 levels by 2030) has been codified in law through SB 32, and the 2045 target (net-zero GHG emissions and reduce anthropogenic GHG emissions to 85% below 1990 levels by 2045) has been codified into law through AB 1279. Therefore, 2030 and 2045 mark the next statutory statewide milestone targets applicable to the project.

In this case, the significance of impacts related to project-generated GHG emissions can be determined through an assessment of compliance with statewide regulations and requirements adopted to implement GHG reduction plans that align with the SB 32 2030 and AB 1279 2045 targets, such as CARB's 2022 Scoping Plan. The specific

threshold approach used to assess the significance of the project's GHG emission impacts is informed by the guidance summarized here, and is discussed in further detail in the following section.

Governor's Office of Land Use and Climate Innovation

The Governor's Office of Land Use and Climate Innovation's technical advisory addressing climate change through CEQA review states the following (OPR 2008):

> Public agencies are encouraged but not required to adopt thresholds of significance for environmental impacts. Even in the absence of clearly defined thresholds for GHG emissions, the law requires that such emissions from CEQA projects must be disclosed and mitigated to the extent feasible whenever the lead agency determines that the project contributes to a significant, cumulative climate change impact.

Furthermore, the advisory document indicates that, "in the absence of regulatory standards for GHG emissions or other scientific data to clearly define what constitutes a 'significant impact,' individual lead agencies may undertake a project-by-project analysis, consistent with available guidance and current CEQA practice" (OPR 2008).

Approach to Determining Significance

The approach for evaluating the project's impacts related to GHG emissions relies on an assessment of the project's compliance with applicable plans, policies, and regulations adopted for the purpose of reducing the emissions of GHGs. At the state level, this includes consideration of CARB's Scoping Plan; at the local level, this includes consideration of the SANDAG RTP/SCS and the District's CAP, Green Port Program, and MCAS. The compliance evaluation is the sole basis for determining the significance of the project's GHG-related impacts on the environment.

In accordance with CEQA Guidelines Section 15064.4, GHG emissions resulting from construction and operation of the project also were quantitatively estimated. Project-related GHG emissions were assessed based on the total increase above the existing environmental setting, with some conservative limitations described further below that serve to overestimate the project's incremental increase above existing, on-site emissions. GHG emissions associated with implementation of the project were estimated using industry standard and accepted software tools, techniques, and emissions factors, as described below for construction and operations. Estimation of emissions is for informational purposes only and for comparison with existing environmental conditions.

3.4.2 Approach and Methodology

3.4.2.1 Construction

The construction methodology outlined in Section 2.4.2.1 for air quality also applies to this section.

3.4.2.2 Operation

CalEEMod Version 2022.1.1.29 was used to estimate potential operational GHG emissions from area sources (landscape maintenance), energy sources (natural gas and electricity), mobile sources, solid waste, stationary sources (generator), and water supply and wastewater treatment.

Area Sources

CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use, architectural coatings, and landscape maintenance equipment. Emissions associated with natural gas usage in space heating and water heating are calculated in the building energy use module of CalEEMod, as described below.

Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chainsaws, and hedge trimmers. The emissions associated with landscape equipment use are estimated based on CalEEMod default values for emission factors (grams per square foot of building space per day) and number of summer days (when landscape maintenance would generally be performed) and winter days.

Energy Sources

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage. The electricity use associated with the transmission losses from the charging facilities and the auxiliary loads on the BESS were also estimated and evaluated herein. The project would supply up to 1,703 kilowatts of solar power to support charging demand. The estimated production from the solar system was estimated using the National Renewable Energy Laboratory's PVWatts model (NREL 2024). The emissions from electricity use and natural gas use were quantified for GHGs in CalEEMod.

Mobile Sources

Following the completion of construction activities, the project would generate GHG emissions from mobile sources (vehicular traffic) as a result of visitors to and employees of the project. CalEEMod default data, including trip characteristics and emissions factors, were used for the model inputs. Project-related traffic was assumed to include a mixture of vehicles in accordance with the associated use, as modeled within CalEEMod. Emission factors representing the vehicle mix and emissions for 2027 were used to estimate emissions associated with vehicular sources.

Refrigerants

CalEEMod was used to estimate fugitive GHG emissions from refrigerants used for air conditioning and refrigeration equipment. Different types of refrigeration equipment are used for different types of land uses, and CalEEMod generates default refrigerant values based on land use subtype and industry data from the EPA. CalEEMod quantifies refrigerant emissions from leaks during regular operation and routine servicing over the equipment lifetime and then derives average annual emissions from the lifetime estimate, but does not quantify emissions from the disposal of refrigeration or air conditioning equipment at the end of its lifetime.

Most of the refrigerants used today are HFCs or blends thereof, which can have high GWP values. However, California is required to reduce HFC emissions 40% below 2013 levels by 2030 under SB 1383, and regulations have been adopted to place GWP limits on HFCs, such as SB 120. CalEEMod default refrigerant values were assumed for the project.

Solid Waste

The project would generate solid waste, and therefore, result in CO_2e emissions associated with landfill off-gassing. CalEEMod default values for solid waste generation were used to estimate GHG emissions associated with solid waste. Project compliance with statewide solid waste diversion goals, including the 75% diversion rate by 2020 consistent with AB 341 (25% increase from the solid waste diversion requirements of AB 939, Integrated Waste Management Act), would reduce project-generated GHG emissions associated with solid waste disposal. No diversion above the CalEEMod default assumptions was assumed.

Stationary Sources

The project would need supplemental power in the case that ample utility power is not available at the start of operation. It is assumed that one, 891-horsepower diesel generator would be operated up to 10 hours per day for up to 6 months during the start of operation. At the end of the 6-month period, there would be ample power from the on-site solar, BESS, and grid power to support the project. Emissions from the generator were estimated using CalEEMod.

Water and Wastewater

Supply, conveyance, treatment, and distribution of water for the project would require the use of electricity, which would result in associated indirect GHG emissions. Similarly, wastewater generated by the project would require the use of electricity for conveyance and treatment, along with GHG emissions generated during wastewater treatment. Water consumption estimates for indoor and outdoor water use, associated electricity consumption from water use, and wastewater generation were estimated using CalEEMod default values.

3.5 Impact Analysis

Impact GHG-1. Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Impact GHG-2. Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Applicable plans for the project include CARB's Scoping Plan; SANDAG's RTP/SCS; and the District's CAP, Green Port Program, and MCAS. Each of these plans is described below, along with an analysis of the project's potential to conflict with the related GHG emission reduction goals.

Consistency with Applicable Greenhouse Gas Reduction Plans

CARB's 2022 Scoping Plan for Achieving Carbon Neutrality

The 2022 Scoping Plan reflects the statewide 2030 target of a 40% reduction below 1990 emissions levels codified by SB 32 and the statewide 2045 target of an 85% reduction below 1990 emissions levels and carbon neutrality codified by AB 1279. Table 13 evaluates the project's potential to conflict with the 2022 Scoping Plan, and specifically the project attributes identified by CARB to reduce operational GHG emissions identified in Appendix D of the 2022 Scoping Plan (CARB 2022). Per the Scoping Plan, empirical evidence shows that residential development projects that are consistent with the Appendix D project attributes to reduce GHG emissions will

accommodate growth in a manner that aligns with the GHG and equity goals of SB 32. Additionally, consistency with the Scoping Plan Appendix D project attributes will ensure that projects are addressing the largest sources of their operational emissions, are in alignment with the priority areas defined by CARB for local climate action, and are in alignment with the state's climate goals.

Before providing the tabular assessment of the project's consistency with the Scoping Plan Appendix D project attributes, it is relevant to revisit the project's purpose and description and its relationship to statewide climate policies. To begin, the primary goal of the project is to facilitate the use of and transition to zero-emission battery-electric heavy-duty trucks servicing the District. The project would accomplish this objective through construction of 70 Level 3 charging stations. The project would also include up to 1,703 kilowatts of solar photovoltaic power on site, along with a BESS to store the energy. The environmental co-benefits of facilitating the transition away from internal combustion trucks to electric trucks powered by carbon-free solar power would reduce local emissions of criteria air pollutants and DPM. Additionally, the project would be located on an infill site that is proximate to the District's marine cargo terminals. Each of these facets of the project is compatible with priority GHG reduction strategies identified in Appendix D of the 2022 Scoping Plan.

Table 13. Project Potential to Conflict with Appendix D of the 2022 Scoping Plan

Scoping Plan Appendix D Priority GHG Reduction Strategy	Potential for Project to Conflict
Transportation Electrification	
Provide electric vehicle charging infrastructure at least in accordance with CALGreen Tier 2 standards.	**No conflict.** The project would include 70 Level 3 electric vehicle chargers for trucks and trucks with trailers.
Vehicle Miles Traveled Reduction	
Is located on infill sites that are surrounded by existing urban uses and reuses or redevelop previously undeveloped or underutilized land presently served by existing utilities and essential public services (e.g., transit, streets, water, sewer).	**No conflict.** The project would be sited on an existing developed area in an urban, infill setting. The project would not convert existing natural or working lands.
Does not result in the loss or conversion of the state's natural and working lands.	**No conflict.** The project would not convert existing natural or working lands.
Consists of transit-supportive densities (minimum of 20 residential dwelling units per acre), *or* Is in proximity to existing transit (within 0.5 miles), *or* Satisfies more detailed and stringent criteria specified in the region's Sustainable Communities Strategy (SCS).	**No conflict.** The project is non-residential but would support the Scoping Plan goals to reduce greenhouse gas emissions through the transition to battery-electric heavy-duty trucks charged by carbon-free solar electricity.
Relax parking requirements by: ▪ Eliminating parking requirements or including maximum allowable parking ratios. ▪ Providing residential parking supply at a ratio of <1 parking space per unit. ▪ Unbundling residential parking costs from costs to rent or lease.	**No conflict.** Parking is only provided for the electric vehicle charging stations, employees, and site maintenance passenger vehicles, including spaces compliant with the Americans with Disabilities Act.
At least 20% of the units are affordable to lower-income residents.	**No conflict.** The project would not include residential.

Table 13. Project Potential to Conflict with Appendix D of the 2022 Scoping Plan

Scoping Plan Appendix D Priority GHG Reduction Strategy	Potential for Project to Conflict
Result in no net loss of existing affordable units.	**No conflict.** The project would not result in a net loss of existing affordable residential units.
Building Decarbonization	
Use all-electric appliances, without any natural gas connections, and would not use propane or other fossil fuels for space heating, water heating, or indoor cooking.	**No conflict.** The project's convenience store would include limited natural gas service for water and space heating.

Source: CARB 2022.
Notes: GHG = greenhouse gas; CALGreen = California Green Building Standards.

As shown in Table 13, the project is consistent with the priority GHG reduction strategies identified in Appendix D of the 2022 Scoping Plan. According to the 2022 Scoping Plan, these attributes are a guide to determine projects that are clearly consistent with the state's climate strategy for CEQA purposes and are not necessarily required, and a project that incorporates some but not all of the key strategies may still be consistent with the state's climate goals.

SANDAG's San Diego Forward: The 2021 Regional Plan

SANDAG's 2021 Regional Plan identifies how the San Diego region will reduce GHG emissions as it relates to transportation, pursuant to SB 375. The SCS contained within the 2021 Regional Plan describes coordinated transportation and land use planning that exceeds the state's target for reducing per-capita GHG emissions set by CARB. The state-mandated target is a 19% reduction—compared with 2005—in per-capita GHG emissions from cars and light-duty trucks by 2035. The 2021 Regional Plan achieves a 20% reduction (SANDAG 2021).

The 2021 Regional Plan identifies the following 10 implementation actions designed as specific steps to be taken by projects, polices, and programs, and each one supports the 2021 Regional Plan's defined strategies (SANDAG 2021):

1. Apply **the Social Equity Planning Framework** and ensure that equity is considered throughout 2021 Regional Plan implementation.
2. **Develop Comprehensive Multimodal Corridor Plans (CMCPs)** to refine 2021 Regional Plan projects at the corridor level and qualify the region for future funding opportunities.
3. **Update SANDAG policies**, including the TransNet Ordinance, to reflect 2021 Regional Plan projects and priorities.
4. **Evaluate the transition to free public transit and develop a value pricing and user fee implementation strategy**.
5. **Seek new local funding,** in addition to pursuing state and federal funding opportunities.
6. **Advance the Next Operating System (Next OS)** by preparing technical and planning studies and initiating pilot opportunities.
7. **Implement the Regional Transportation Improvement Program (RTIP)** and near-term projects.
8. **Partner with local jurisdictions, tribal governments, agencies in Mexico, the military, and other agencies** on collaborative efforts to implement the 2021 Regional Plan.

9. **Expand regional programs and seek funding to fully support** low-carbon transportation options, roadway safety and maintenance, habitat conservation, and nature-based climate solutions.
10. **Advance a data science program** to better understand travel behavior in the region, update travel demand modeling tools, and improve transparency and reporting on program effectiveness and project delivery.

The 2021 Regional Plan then identifies 11 policy and program areas that support the 10 priority implementation actions listed above. These 11 policy and program areas are provided in Table 14, alongside analysis of the project's potential to conflict with the SANDAG 2021 Regional Plan.

Table 14. Project Potential to Conflict with SANDAG 2021 Regional Plan

Category	2021 Regional Plan Implementation Action	Project's Potential to Conflict
Land Use and Habitat	The 2021 Regional Plan vision for land use focuses on development and growth in Mobility Hub areas to preserve the region's habitat and open space while supporting transportation investments and reducing vehicle miles traveled (VMT). SANDAG will leverage partnerships with cities and the County through the Smart Growth Incentive Program and other grant programs to provide funds for transportation-related improvements and planning efforts that support smart growth in Mobility Hubs.	**No conflict.** The project is located on land currently developed in an urban, infill setting. The project is non-residential but would support the Regional Plan goals to reduce greenhouse gas emissions through the transition to battery-electric heavy-duty trucks charged by carbon-free solar electricity.
Housing	The 2021 Regional Plan addresses the housing crisis through Mobility Hubs, bringing locations where people live and work closer together and providing more housing options for more San Diegans through increased density. SANDAG will rely on building stronger partnerships with local jurisdictions to increase housing in the region, especially housing available to low-income residents.	**No conflict.** The project is non-residential and would not conflict with SANDAG's goal to increase housing.
Climate Action Planning	To help reach regional and state greenhouse gas (GHG) emissions–reduction targets, the 2021 Regional Plan focuses heavily on the conversion to clean transportation and a shift from personal vehicle dependency through the 5 Big Moves. To help local jurisdictions make this transition and achieve broader reductions in GHG emissions, SANDAG will provide technical assistance, guidance, resources, templates, and grant funding to incorporate the 5 Big Moves and Sustainable Communities Strategy actions into their Climate Action Plans, and plan for more well-connected, sustainable, healthy communities that are accessible to all.	**No conflict.** The project would support this goal to transition to clean transportation by providing carbon-free electric vehicle charging for heavy-duty trucks.
Climate Adaptation and Resilience	The 2021 Regional Plan aims to better prepare San Diego communities and habitats for climate change impacts by considering evacuation and rapid mobility needs in transit corridors, evaluating and considering climate vulnerabilities to the region's transportation	**No conflict.** This action is not within the purview of this project and is instead directed toward SANDAG and local governments. Implementation of the project would not prevent

Table 14. Project Potential to Conflict with SANDAG 2021 Regional Plan

Category	2021 Regional Plan Implementation Action	Project's Potential to Conflict
	infrastructure, and using natural lands and conservation to absorb and protect against climate change impacts. SANDAG will establish a coordinated effort across agencies and local jurisdictions for a more holistic, comprehensive, equitable, sustainable, and resilient region.	SANDAG from coordinating efforts across agencies to evaluate and consider climate vulnerabilities in the region. The project's final design will consider climate resilience, and resilience is incorporated into various building design standards and best practices.
Electric Vehicles	Electrification is included in the 2021 Regional Plan as a way to reach regional greenhouse gas (GHG) emission–reduction targets. Electric vehicles (EVs) are zero-emission vehicles that include plug-in battery EVs and hydrogen fuel cell EVs. SANDAG aims to incentivize and encourage the incorporation of all types of EVs into Flexible Fleets, Transit Leap, and goods movement, and to support funding programs that increase the number of EVs and charging stations throughout the region and within Mobility Hubs and part of the Complete Corridor strategy.	**No conflict.** The project would include 70 Level 3 electric vehicle chargers for heavy-duty electric trucks.
Parking and Curb Management	The 2021 Regional Plan promotes policies that use land more efficiently and encourage people to consider switching from driving alone to walking, biking, taking transit, carpooling, and using shared mobility. Effective parking-management policies include reduced parking requirements, including near transit; unbundling parking from housing costs; and parking cash-out incentives for employees who commute to work without personal vehicles.	**No conflict.** Parking would only be provided for the electric vehicle charging stations, employees, and site maintenance passenger vehicles, including spaces compliant with the Americans with Disabilities Act.
Transportation Demand Management	Transportation Demand Management (TDM) innovations have the potential to transform the way people travel within and between communities. Managing demands on the existing transportation system is a vital strategy for making the overall system more effective in reducing drive-alone commute trips. SANDAG will continue to administer and monitor the iCommute program by providing regional rideshare, employer outreach, and bike education and secure parking services to help reduce commute-related traffic congestion and vehicle miles traveled.	**No conflict.** The project would not conflict with SANDAG's goal to reduce commute-relate traffic congestion and vehicle miles traveled.
Vision Zero	Vision Zero is a national campaign to eliminate all traffic-related deaths and serious injuries by focusing on policies and the redesign of streets to create a transportation system that is safe for everyone. In adopting Vision Zero, SANDAG will work toward zero by collecting and analyzing crash data to identify safety issues and recommend solutions; developing a regional safety policy; continuing to construct the regional bike network; working with local jurisdictions	**No conflict.** This action is not within the purview of this project and is instead directed toward SANDAG to prepare and implement a regional safety policy and coordinate with local jurisdictions to provide resources and assistance on safe roadway design. Implementation of the project would not prevent SANDAG from providing

Table 14. Project Potential to Conflict with SANDAG 2021 Regional Plan

Category	2021 Regional Plan Implementation Action	Project's Potential to Conflict
	to conduct outreach for and build out their complete streets networks; and funding educational programs, including opportunities to collaborate with tribal nations.	the expressed guidance and resources for Vision Zero planning efforts.
Fix It First	To optimize investments in the region's transportation infrastructure, the Regional Plan and the 5 Big Moves focus on improving existing roads, rails, and sidewalks. The Fix It First strategy aims to repair existing roads and create a system for sustained maintenance in the future, creating a safe and efficient transportation network for all users.	**No conflict.** This action is not within the purview of the project and is instead aimed at repair and maintenance of the regional transportation system. Implementation of the project would not prevent SANDAG from improving existing roads, rails, and sidewalks.
Transportation System Management and Operations	Transportation System Management and Operations (TSMO) employs a series of intelligent transportation system strategies designed to maximize the capacity and efficiency of the existing and future transportation system. TSMO includes the establishment of institutional and governance actions to help advance and facilitate cross-agency collaboration to ensure existing and proposed transportation systems are not operated or managed as independent systems but as a multimodal transportation system.	**No conflict.** This action is not within the purview of the project and is instead directed toward SANDAG to develop the TSMO through cross-agency collaboration. Implementation of the project would not prevent SANDAG from employing the strategies in support of TSMO and a multimodal transportation system.
Value Pricing and User Fees	The 2021 Regional Plan incorporates a variety of value pricing and user fee strategies as tools to improve mobility by encouraging changes in travel behaviors while generating revenue to address aging infrastructure and expand travel options. These strategies include a network of managed lanes, a mileage-based road usage charge, a fee on the fares charged for rides provided by transportation network companies, and further subsidization of transit fares.	**No conflict.** This action is not within the purview of the project and is instead directed toward SANDAG to develop and implement pricing and fee strategies. Implementation of the project would not prevent SANDAG from designing fee structures and other pricing tools to support infrastructure and expand travel options.

Source: SANDAG 2021.
Note: SANDAG = San Diego Association of Governments.

As shown in Table 14, the project would not conflict with actions from the SANDAG 2021 Regional Plan related to affordable housing near mobility hubs, conservation strategies to protect against climate change, parking and curb management, or transportation demand management and reduction of VMT. Rather, the objectives and design of the project are compatible and consistent with the 2021 Regional Plan because the project would facilitate the use of zero-emission trucks in the region. Given these considerations, the project would not conflict with SANDAG's 2021 Regional Plan.

San Diego Unified Port District Climate Action Plan

The District adopted a CAP in 2013 to protect and enhance its future success as a thriving, working port. It is based on community input and rigorous scientific data. The CAP serves as a guide for action, including a targeted set of

GHG reduction policies and measures. Although the CAP is not considered a qualified GHG reduction plan in accordance with CEQA Guidelines Section 15183.5, it still provides guiding actions for the District to reduce GHG emissions through 2035 (San Diego Unified Port District 2013). Table 15 provides the project's consistency with applicable GHG reduction measures within the CAP.

Table 15. Project Potential to Conflict with San Diego Unified Port District CAP

Measure Number	CAP Measure	Potential for Project to Conflict
TA1	Support and promote the use of alternate fueled, electric or hybrid Port-owned vehicles and vessels (also includes cargo handling, terminal, and stationary equipment).	**No conflict.** The project would include 70 Level 3 electric vehicle chargers for heavy-duty electric trucks that would support the use of electric trucks.
TA2	Support and promote non-Port owned vehicles and vessels to achieve the lowest emissions possible, using a mix of alternative fueled, electric or hybrid technology.	**No conflict.** The project would include 70 Level 3 electric vehicle chargers for heavy-duty electric trucks that would support the use of electric trucks.
EA1	Implement an on-site renewable energy generation policy for 2020 (solar power, wind power, methane recovery, wave power, etc.).	**No conflict.** This measure is directed toward the District to develop policies to require renewable energy generation on site. However, the project would include up to 1,703 kilowatts of solar power on site.
EA2	Implement an on-site renewable energy generation policy for 2035 (solar power, wind power, methane recovery, wave power, etc.).	**No conflict.** This measure is directed toward the District to develop policies to require renewable energy generation on site. However, the project would include up to 1,703 kilowatts of solar power on site.
EA3	Implement an on-site renewable energy generation policy for by 2050 (solar power, wind power, methane recovery, wave power, etc.).	**No conflict.** This measure is directed toward the District to develop policies to require renewable energy generation on site. However, the project would include up to 1,703 kilowatts of solar power on site.

Source: San Diego Unified Port District 2013.
Notes: CAP = Climate Action Plan; District = San Diego Unified Port District.

As shown in Table 15, the project would not conflict with the applicable GHG reduction strategies within the District's CAP.

San Diego Unified Port District Green Port Program

The District's Board of Port Commissioners adopted the Green Port Policy in 2007. This policy establishes guiding principles to achieve long-term environmental, societal, and economic benefits through resource conservation, waste reduction, and pollution prevention. The applicable policy objectives and the project's consistency with them are discussed below.

- Prevent pollution and improve personal, community, and environmental health.
  - The project would support this goal by reducing the need for heavy-duty diesel trucks around the Port. This would reduce emissions around sensitive areas close to the Port.

- When possible, exceed applicable environmental laws, regulations, and other industry standards.
  - The project would install 70 Level 3 EV charging stations and solar charging with battery storage. This type of project is not required by law, but supports the state's and District's GHG reduction goals.
- Collaborate with tenants to develop an integrated, measurable, Bay-wide environmental sustainability effort.
  - The applicant, as a tenant, is collaborating with the District to implement the project and improve sustainability at the Port through facilitating the electrification of the heavy-duty truck fleet.

As discussed above, the project would be consistent with the District's Green Port Policy and support the environmental improvement goals.

San Diego Unified Port District Maritime Clean Air Strategy

The MCAS is a strategic planning document that is intended to guide future decision-making and provide a planning framework for potential future actions that may be implemented to achieve the goals and objectives identified in the MCAS. Although the vision of the MCAS is Health Equity for All, with a primary focus on air pollutants that contribute to negative health outcomes (criteria pollutants and TACs), most of the measures in the MCAS achieve GHG reductions as a co-benefit. The MCAS includes two long-term goals for 2030 and complementary short-term goals and objectives. The MCAS's applicable goals and the project's consistency with them are provided below (San Diego Unified Port District 2021):

- Long-Term Goal for Trucks: In advance of the State's goals identified in Executive Order No. N-79-20, attain 100% zero-emission truck trips by 2030 for all trucks that call at the Port's two marine cargo terminals.
  - The project supports this goal by providing EV infrastructure for trucks that service the Port of San Diego.
- Long-Term Goal for Port Fleet: Transition Port-owned fleet of vehicles and equipment to ZE/NZE [zero emission/near-zero emission] emission technologies in manner that meets operational needs and reduces emissions, as follows: Beginning in 2022, transition light-, medium-, and heavy-duty vehicles to zero-emission vehicles.
  - The project supports this goal by providing EV infrastructure for trucks that service the Port of San Diego.

As shown above, the project supports the applicable goals to transition to zero-emission trucks.

Based on the analysis provided above, the project would not conflict with the CARB Scoping Plan, SANDAG Regional Plan, District CAP, District Green Port Program, or District MCAS, each of which was adopted for the purpose of reducing GHG emissions. As such, the project would result in a **less-than-significant** impact attributable to its GHG emissions.

Quantification of Greenhouse Gas Emissions

The following GHG emissions analysis is provided in support of the land use consistency determination.

Construction

Table 16 provides estimated GHG emissions from the project. Detailed calculations are provided as Attachment A, CalEEMod Outputs.

Table 16. Estimated Project Construction Greenhouse Gas Emissions

Emission Year	CO_2	CH_4	N_2O	R	CO_2e
	Metric Tons per Year				
2026	474.16	0.02	0.04	0.25	485.55
2027	244.36	0.01	0.02	0.13	250.74
				Total	736.29
				30-Year Amortized Emissions	24.54

Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; R = refrigerants; CO_2e = carbon dioxide equivalent.
See Attachment A for detailed calculations.

Operation

Table 17 provides estimated GHG emissions from the project. Detailed calculations are provided in Attachment A.

Table 17. Estimated Project Operational Greenhouse Gas Emissions

Emission Source	CO_2	CH_4	N_2O	R	CO_2e
	Metric Tons per Year				
Area	0.09	<0.01	<0.01	0.00	0.09
Energy (natural gas and electricity)	4.83	<0.01	<0.01	0.00	4.84
Mobile	80.07	0.01	<0.01	0.11	81.54
Refrigerants	0.00	0.00	0.00	171.66	171.66
Solid waste	1.45	0.15	0.00	0.00	5.08
Stationary[1]	441.08	0.02	<0.01	0.00	442.55
Water supply and wastewater	0.18	0.01	<0.01	0.00	0.57
				30-Year Amortized Emissions	24.54
				Total Emissions	730.87

Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; R = refrigerants; CO_2e = carbon dioxide equivalent.
[1] The generator's emissions would only occur during the first year of operation.
See Attachment A for detailed calculations.

As shown in Table 17, annual emissions from buildout of the project would be approximately 731 MT CO_2e per year, including amortized construction emissions over a 30-year project life. It should be noted that this is for the first year of operation only and includes the generator. After the first year, annual emissions would be 288 MT CO_2e per year for the remainder of operation.

4 Energy

This chapter describes the existing energy conditions of the project site and vicinity, identifies associated regulatory requirements, and evaluates potential impacts related to implementation of the project based on the criteria provided in CEQA Guidelines Appendix G, Energy. The information and analysis presented in this chapter are supported by Attachment A.

4.1 Existing Conditions

Electricity

According to the U.S. Energy Information Administration, California used approximately 239,480 gigawatt-hours of electricity in 2023 (EIA 2024a). Electricity usage in California for different land uses varies substantially based on the types of uses in a building, the types of construction materials used in a building, and the efficiency of all electricity-consuming devices within a building. Due to the state's numerous energy efficiency building standards and efficiency and conservation programs, California's electricity use per capita in the residential sector is lower than any other state in the nation except for Hawai'i (EIA 2024b).

SDG&E provides electrical and natural gas service to the region. SDG&E is a regulated public utility that provides energy service to 3.7 million people through 1.5 million electric meters and 900,000 natural gas meters in San Diego County and southern Orange County. The SDG&E service area spans 4,100 square miles. SDG&E and other utilities in the state are regulated by the CPUC (SDG&E 2024). According to the CEC, approximately 78 billion kilowatt-hours (kWh) of electricity were used in SDG&E's service area in 2019 (CEC 2024a). The project would connect to and be served by SDG&E electrical infrastructure, but would receive power from San Diego Clean Power.

Natural Gas

According to the U.S. Energy Information Administration, California used approximately 2,139.3 trillion British thermal units of natural gas in 2022 (EIA 2024b). Natural gas is used for cooking, space heating, and generating electricity, and as an alternative transportation fuel. In 2022, by sector, industrial uses used 33% of the state's natural gas, followed by 31% from electric power generation, 21% from residential, 12% from commercial, and 2% from transportation uses (EIA 2022a).

The CPUC regulates California's natural gas rates and natural gas services, including in-state transmission and distribution pipeline systems, storage, procurement, metering, and billing. Most of the natural gas used in California comes from out-of-state natural gas basins. Biogas (e.g., from wastewater treatment facilities or dairy farms) is just beginning to be delivered into the gas utility pipeline systems, and the state has been encouraging its development (CPUC 2022).

In 2019, SDG&E delivered approximately 4.9 billion therms of natural gas to the region, with 3 billion therms for non-residential use and 1.9 billion therms for residential use (CEC 2023). The project would connect to and be served by SDG&E natural gas infrastructure.

Petroleum

According to the U.S. Energy Information Administration, California used approximately 628 million barrels of petroleum in 2022, with the majority (534 million barrels) used for the transportation sector (EIA 2022b). There are 42 U.S. gallons in a barrel, so this equates to a total daily use of approximately 60 million gallons of petroleum among all sectors and 50 million gallons for the transportation sector.

Petroleum usage in California includes petroleum products such as motor gasoline, distillate fuel, liquefied petroleum gases, and jet fuel. California has implemented numerous regulations and policies to improve vehicle efficiency and to support the use of alternative transportation, which are described in Section 4.2, Regulatory Setting. As such, the CEC anticipates an overall decrease in gasoline demand in the state over the next decade (CEC 2024b).

4.2 Regulatory Setting

4.2.1 Federal Regulations

Federal Energy Policy and Conservation Act

In 1975, Congress enacted the Federal Energy Policy and Conservation Act, which established the first fuel economy standards for on-road motor vehicles in the United States. Pursuant to the act, the NHTSA is responsible for establishing additional vehicle standards, including fuel economy standards, for various vehicle classifications. Fuel economy is determined based on each manufacturer's average fuel economy for the fleet of vehicles available for sale in the United States.

Energy Independence and Security Act of 2007

On December 19, 2007, the Energy Independence and Security Act (EISA) was signed into law. In addition to setting increased Corporate Average Fuel Economy standards for motor vehicles, the EISA includes the following other provisions related to energy efficiency:

- Renewable Fuel Standard (RFS) (Section 202)
- Appliance and lighting efficiency standards (Sections 301–325)
- Building energy efficiency (Sections 411–441)

The EISA's RFS requires ever-increasing levels of renewable fuels to replace petroleum. The U.S. EPA is responsible for developing and implementing regulations to ensure that transportation fuel sold in the United States contains a minimum volume of renewable fuel. The RFS program regulations were developed in collaboration with fuel refiners, renewable fuel producers, and many other participants.

The RFS program originally was created under the Energy Policy Act of 2005 and established the first renewable fuel volume mandate in the United States. As required under the Energy Policy Act, the original RFS program (RFS1) required 7.5 billion gallons of renewable fuel to be blended into gasoline by 2012. Under the EISA, the RFS program was expanded in several key ways that laid the foundation for achieving significant reductions in GHG emissions

through the use of renewable fuels, for reducing imported petroleum, and for encouraging the development and expansion of the renewable fuels sector. The updated program (RFS2) includes the following:

- EISA expanded the RFS program to include diesel, in addition to gasoline.
- EISA increased the volume of renewable fuel required to be blended into transportation fuel from 9 billion gallons in 2008 to 36 billion gallons by 2022.
- EISA established new categories of renewable fuel and set separate volume requirements for each one.
- EISA required the U.S. EPA to apply life-cycle GHG performance threshold standards to ensure that each category of renewable fuel emits less GHGs than the petroleum fuel it replaces.

Additional provisions of the EISA address energy savings in government and public institutions, promoting research for alternative energy, promoting additional research in carbon capture, supporting international energy programs, and creating "green" jobs.

4.2.2 State Regulations

California Environmental Quality Act

To ensure that energy implications are considered by lead agencies as part of the CEQA process, Environmental Impact Reports must include a discussion of the potential significant energy impacts of proposed projects, with particular emphasis on avoiding or reducing inefficient, wasteful, and unnecessary consumption of energy. Appendix F of the CEQA Guidelines provides a list of energy-related topics that should be analyzed in an Environmental Impact Report. Although not described as significance thresholds for determining the significance of impacts related to energy, Appendix F provides the following topics that the lead agency may consider in the energy analysis of an Environmental Impact Report, where topics are applicable or relevant to the project:

1. The project's energy requirements and its energy use efficiencies by amount and fuel type for each stage of the project's life cycle, including construction, operation, maintenance, and/or removal. If appropriate, the energy intensiveness of materials may be discussed.
2. The effects of the project on local and regional energy supplies and on requirements for additional capacity.
3. The effects of the project on peak and base period demands for electricity and other forms of energy.
4. The degree to which the project complies with existing energy standards.
5. The effects of the project on energy resources.
6. The project's projected transportation energy use requirements and its overall use of efficient transportation alternatives.

Warren–Alquist Act

The California legislature passed the Warren–Alquist Act in 1974, which created the CEC. The legislation also incorporated the following three key provisions designed to address the demand side of the energy equation:

- It directed the CEC to formulate and adopt the nation's first energy conservation standards for buildings constructed and appliances sold in California.

- The act removed the responsibility of electricity demand forecasting from the utilities, which had a financial interest in high-demand projections, and transferred it to the more impartial CEC.
- The CEC was directed to embark on an ambitious research and development program, with a particular focus on fostering what were characterized as "nonconventional" energy sources.

Senate Bill 1368

On September 29, 2006, Governor Arnold Schwarzenegger signed into law SB 1368 (Perata, Chapter 598, Statutes of 2006). The law limits long-term investments in baseload generation (minimum level of demand on an electrical grid over a span of time) by the state's utilities to those power plants that meet an emissions performance standard jointly established by the CEC and CPUC.

The CEC designed regulations with the following goals (Perata, Chapter 598, Statutes of 2006):

- Establish a standard for baseload generation owned by, or under long-term contract to, publicly owned utilities of 1,100 pounds of CO_2 per megawatt-hour to encourage the development of power plants that meet California's growing energy needs while minimizing their GHG emissions.
- Require posting of notices of public deliberations by publicly owned utilities on long-term investments on the CEC website to facilitate public awareness of utility efforts to meet customer needs for energy over the long-term while meeting the state's standards for environmental impact.
- Establish a public process for determining the compliance of proposed investments with the emissions performance standard.

Assembly Bill 1007

AB 1007 (2005) required the CEC to prepare a statewide plan to increase the use of alternative fuels in California (State Alternative Fuels Plan). The CEC prepared the plan in partnership with CARB and in consultation with other state agencies, plus federal and local agencies. The State Alternative Fuels Plan assessed various alternative fuels and developed fuel portfolios to meet California's goals to reduce petroleum consumption, increase alternative fuels use, reduce GHG emissions, and increase in-state production of biofuels without causing a significant degradation in public health or environmental quality.

Other Energy Reduction Regulations

The following state executive orders, statutes, and regulations for GHGs achieve energy reduction co-benefits: AB 32 and SB 32, California Building Standards (CCR, Title 20 and Title 24, Parts 6 and 11), AB 1493 ("Pavley" regulations), EO S-1-07, SB 375, CARB Truck and Bus Regulation, CARB On-Road Heavy-Duty Diesel Vehicles (In-Use) Regulation, CARB Advanced Clean Car and Trucks Program, EO B-16-12, SB 350, and SB 100. Refer Section 3.2.2, State Regulations, for additional relevant information.

4.2.3 Local Regulations

San Diego Association of Governments 2009 San Diego Regional Energy Strategy

The Regional Energy Strategy establishes goals for the San Diego region to be more energy efficient, increase the use of renewable energy sources, and enhance the region's energy infrastructure to meet growing energy demand. The Regional Energy Strategy serves as an energy policy guide to support decision-making by SANDAG and its member agencies as the region strives to meet the energy needs of a growing population, housing stock, and workforce while maintaining and enhancing regional quality of life and economic stability (SANDAG 2014).

SDG&E Long-Term Procurement Plan

As required by the CPUC, utility companies such as SDG&E must prepare Long-Term Procurement Plans to ensure that adequate energy supplies are available to maintain a reserve margin of 15% above the estimated energy demand. These plans outline future energy needs and how those needs can be met. In December 2006, SDG&E filed its Long-Term Procurement Plan with the CPUC, which included a 10-year energy resource plan that details its expected portfolio of energy resources over the period of 2007 through 2016 (SDG&E 2009). The projections included in the current Long-Term Procurement Plan were based on the CEC's California Energy Demand 2008–2018 Forecast, dated November 2007. The 2016–2026 CEC California Energy Demand projections are now lower than what was anticipated in 2007 (CEC 2016).

San Diego Unified Port District Climate Action Plan, Green Port Program, and MCAS

The District's CAP, Green Port Program, and MCAS have measures that reduce GHG emissions and may also reduce energy usage. These are discussed in detail in Section 3.2.3.2, San Diego Unified Port District.

4.3 Significance Criteria and Methodology

The criteria used to evaluate the project's potential impacts to energy are based on Appendix G of the CEQA Guidelines, Section VI, Energy. Based on these criteria, the project would result in a significant impact related to energy if the project would:

1. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation.
2. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

Approach and Methodology

Petroleum

Potential impacts related to the project's consumption of petroleum (transportation fuels) were assessed through consideration of the projected traffic trip generation during construction and operation, as detailed in CalEEMod outputs that were prepared for the project (Attachment A).

Fuel consumption by the project's construction equipment, including haul trucks and worker and vendor trips, was estimated by converting the total CO_2 emissions from each construction phase to gallons using conversion factors

for CO_2 to gallons of gasoline or diesel. The conversion factor for gasoline is 8.78 kilograms per metric ton CO_2 per gallon, and the conversion factor for diesel is 10.21 kilograms per metric ton CO_2 per gallon (The Climate Registry 2023). All off-road construction equipment, haul trucks involved in importing or exporting material to and from the site, and vendor vehicles were assumed to use diesel fuel. Conversely, it was assumed that construction workers would travel in the project site in gasoline-powered vehicles.

The fuel consumption resulting from the project's operational phase would be attributable to vehicle travel in the project area. Similar to the construction analysis, fuel consumption for operation was estimated by converting the total CO_2 emissions from the project to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel.

Per CEQA Guidelines Appendix F, this analysis considers these factors and provides the project's estimated petroleum consumption for the purposes of evaluating the associated impacts on energy resources and requirements.

Electricity and Natural Gas

The estimation of operational electricity and natural gas consumption was based on the CalEEMod land use defaults and units or total area (i.e., square footage) of the project's land uses. The convenience store would use natural gas for heating.

Notably, the methodology used to evaluate the project's consumption of electricity and natural gas does not account for the existing consumption of the parking lot that currently exists at the project site. This is a conservative approach that serves to overestimate the project's consumption of electricity and natural gas because it uses a baseline of zero consumption in lieu of reporting an incremental change in consumption from the non-zero baseline that is part of the existing condition.

Per CEQA Guidelines Appendix F, this analysis quantifies the project's electricity and natural gas consumption; evaluates the associated impacts on energy resources and requirements, peak and base period demand, and effects on the local and regional energy supplies; and analyzes the project's compliance with existing energy standards.

4.4 Impacts Analysis

Issue Energy-1. Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Implementation of the project would increase the demand for electricity, gasoline, and diesel consumption in the project area during construction and operation, which are evaluated below.

Construction Use

Electricity

Temporary electric power for lighting and electronic equipment, such as computers, may be needed inside temporary construction trailers. Therefore, the focus within this section is the energy implications of the construction process, specifically the power cost from on-site electricity consumption during construction of the

project. The 2022 National Construction Estimator identifies a typical power cost per 1,000 square feet of construction land area per month of $2.41, which was used to calculate the project's total construction power cost (Pray 2022).

Based on information provided in Section 2.4.2, Approach and Methodology, construction activities are anticipated to occur over 10 months. Each phase is broken down into the schedule proposed for construction. As detailed in Table 18, the total electrical cost of the on-site electricity usage during construction of the project is estimated to be approximately $4,855 in 2022 dollars.

Table 18. Construction Power Cost

Land Use	Power Cost (per 1,000 square feet of construction per month)	Size (1,000 square feet)	Construction Duration (months)	Project Construction Power Cost
Parking Lot	$2.41	196.456	10	$4,734.59
Convenience Market	$2.41	5.0	10	$120.50
			Construction Power Cost in 2022 Dollars	**$4,855.09**

Source: Pray 2022.

SDG&E's general service rate schedule was used to determine the project's electrical usage during the construction phase. As of January 1, 2022, SDG&E's general service rate was $0.13 per kWh of electricity for industrial services (SDG&E 2022). By dividing the cost in Table 18 by the SDG&E rate, the total electricity usage from on-site project construction-related activities is estimated to be approximately 37,347 kWh (Table 19).

Table 19. Construction Electricity Usage

Project Component and Land Use	Cost per kWh	Project Construction Power Cost	Project Construction Electricity Usage (kWh)
Parking Lot	$0.13	$4,734.59	36,420
Convenience Market	$0.13	$120.50	927
		Total Construction Electricity Usage (kWh)	**37,347**

Source: SDG&E 2022.
Notes: Costs per 2022 rates. kWh = kilowatt-hour.

Natural Gas

Natural gas is not anticipated to be required during the project's construction phase because construction activities for new buildings and facilities do not typically use natural gas. Nonetheless, any use of natural gas during construction would be sufficiently served by existing supply from SDG&E and would not require additional local or regional capacity. Any minor amounts of natural gas that may be consumed because of construction would be temporary and negligible, and would not have an adverse effect.[9]

[9] Although no natural gas is anticipated to be used during construction because heavy-duty construction equipment is typically diesel-fueled, the possibility of natural gas use is acknowledged in the event that a natural gas–fueled piece of equipment is used. However, as noted previously, all equipment was assumed to be diesel-fueled in CalEEMod.

Petroleum

Heavy-duty equipment associated with construction during development of the project would rely on diesel fuel, as would vendor trucks involved in the delivery of materials and haul trucks responsible for importing or exporting materials. Construction workers would travel to and from the project site throughout construction. Attachment A lists the assumed equipment usage and vehicle trips.

As previously discussed, fuel consumption from construction equipment was estimated by converting the total CO_2 emissions from each construction phase to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel. The estimated diesel fuel usage from construction equipment, haul trucks, and vendor trucks, as well as estimated gasoline fuel usage from worker vehicles, is shown in Table 20.

Table 20. Total Project Construction Petroleum Demand

	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Worker Vehicles (gasoline)
Year	Gallons			
2026	22,654.26	12,349.66	8,284.04	3,472.67
2027	10,278.16	7,513.22	4,491.67	1,891.80
Total	**32,932.42**	**19,862.88**	**12,775.71**	**5,364.46**

Note: See Attachment A for outputs.

In summary, construction activities associated with the project would consume approximately 5,365 gallons of gasoline from worker vehicles and approximately 65,571 gallons of diesel for off-road equipment, haul trucks, and vendor trucks. In San Diego County, it is estimated that approximately 15.7 million gallons of petroleum would be consumed in 2026 from off-road equipment and 1.2 billion gallons would be consumed from on-road vehicles (CARB 2025c).

The project would be subject to CARB's In-Use Off-Road Diesel-Fueled Fleets Regulation that applies to certain off-road diesel engines, vehicles, and equipment greater than 25 horsepower. The regulation (1) imposes limits on idling, requires a written idling policy, and requires a disclosure when selling vehicles; (2) requires all vehicles to be reported to CARB (using the Diesel Off-Road Online Reporting System) and labeled; (3) restricts the adding of older vehicles into fleets starting on January 1, 2014; and (4) requires fleets to reduce their emissions by retiring, replacing, or repowering older engines or installing Verified Diesel Emission Control Strategies (i.e., exhaust retrofits). The fleet must either show that its fleet average index was less than or equal to the calculated fleet average target rate, or that the fleet has met the best achievable control technology requirements. Key 2022 amendments include a tier phase-out schedule that bans the use of older, higher-emitting engines (Tiers 0, 1, and 2) based on fleet size, and restricts the addition of Tier 3 and Tier 4 interim engines to fleets. Fleets must now procure and use renewable diesel, with limited exceptions, and maintain documentation of fuel purchases.

The project would not be unusual when compared to overall local and regional demand for construction-related energy resources, and would not require equipment that would be less energy-efficient than equipment at comparable construction sites in the region or state.

Considering these factors, the project would not result in the inefficient, wasteful, or unnecessary consumption of construction energy. Therefore, construction impacts associated with the consumption of electricity, natural gas, and petroleum would be **less than significant**.

Operational Use

Electricity

Project operation would require electricity for multiple purposes, including building cooling, water heating, lighting, appliances, and electronics. Additionally, the supply, conveyance, treatment, and distribution of water would indirectly result in electricity usage.

CalEEMod was used to estimate project emissions from electricity uses (see Attachment A for calculations). Default electricity generation rates in CalEEMod were used based on the proposed land use and climate zone. The increase in electricity demand for the future potential buildout of the project is presented in Table 21. As shown in Table 21, the project is estimated to have a total electrical consumption of approximately 2,859,963 kWh per year.

Table 21. Project Annual Operational Electricity Consumption Summary

Land Use	Electricity Consumption (kWh per year)
Convenience Market	153,429
Battery Energy Storage System Auxiliary Load	691,211
Electric Vehicle Charging Losses	1,843,228
Parking Lot Lighting	172,095
Total Project Electricity Consumption	**2,859,963**

Notes: kWh = kilowatt-hour.
See Attachment A for detailed results.

In 2022, the non-residential electricity consumption within San Diego County was 12,802,545,160 kWh (12,802 gigawatt-hours) (CEC 2024a). For context, therefore, the project's electricity demand would represent an approximately 0.02% increase in San Diego County's annual nonresidential electricity use (excluding any offset realized by the PV canopies). As previously discussed, the project would include a 1,703-kilowatt solar photovoltaic system on site that is estimated to produce 2,902,255 kWh per year, thereby offsetting the demand for the project.

CCR Title 24 serves to enhance and regulate California's building standards. The most recently adopted amendments to CCR Title 24, Part 6, referred to as the 2025 standards, became effective on January 1, 2026. Compliance with the applicable CCR Title 24 standards, which is legally required, would further ensure that the project's energy demands would not be inefficient, wasteful, or otherwise unnecessary.

Under peak conditions, the project would have a peak demand of 0.3 megawatts on the SDG&E grid. In comparison to the SDG&E power grid base peak load of 4,700 megawatts for 2027, the project would represent approximately 0.01% of the SDG&E base peak load conditions. Therefore, the project would represent a minimal increase in the SDG&E grid base peak load.

In summary, the impacts related to electrical supply and infrastructure capacity and the project's effect on peak-and base-period demands would be **less than significant**.

Natural Gas

Operation of the project would use natural gas for water and space heating. Natural gas consumption associated with operation was based on the CalEEMod outputs presented in Attachment A.

CalEEMod default values for energy consumption for each land use were applied for the project analysis. The energy use from non-residential land uses was calculated in CalEEMod based on the California Commercial End-Use Survey database. Energy use in buildings (both natural gas and electricity) was divided by the program into end-use categories subject to CCR Title 24 requirements (end uses associated with the building envelope, such as the heating, ventilation, and air conditioning system; water heating system; and integrated lighting) and those not subject to CCR Title 24 requirements (such as appliances, electronics, and miscellaneous "plug-in" uses). Table 22 shows the estimated natural gas consumption from the project.

Table 22. Project Annual Operational Natural Gas Consumption Summary

Land Use	Natural Gas Demand (kBTU per year)
Convenience Market	91,059

Source: Attachment A.
Note: kBTU = thousand British thermal units.

As shown in Table 22, natural gas consumption from the project is estimated to be 91,059 thousand British thermal units per year. In comparison, the natural gas consumption in 2022 was 52,230,924,400 thousand British thermal units for San Diego County (CEC 2024c).

According to SDG&E data, natural gas demand is estimated to be 83 billion cubic feet per year in 2025 (CEC 2023). Based on the project's estimated natural gas consumption as shown in Table 22, the project would account for approximately 0.0001% of SDG&E's 2025 demand. Therefore, it is anticipated that SDG&E's existing and planned natural gas supplies would be sufficient to support the project's demand for natural gas.

Based on the above, the project would not have a significant effect on local or regional natural gas supplies or require additional capacity. Therefore, impacts related to natural gas would be **less than significant**.

Petroleum

During operations, the majority of fuel consumption resulting from the project would involve the use of motor vehicles traveling to and from the project site, as well as fuels used for alternative modes of transportation that may be used by residents. Petroleum fuel consumption associated with motor vehicles traveling to and from the project site is a function of the VMT as a result of project operation. As shown in Attachment A, the annual VMT attributable to the project is expected to be 219,973 VMT. Countywide, the annual VMT is estimated to be 23,890,082,258 per year in 2025 (CARB 2025c).

Similar to the construction analysis above, fuel consumption was estimated by converting the total CO_2 emissions from operation of the project to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel. Based on the annual fleet mix provided in CalEEMod, 80.4% of the fleet range (from light-duty to medium-duty vehicles and motorcycles) were assumed to be fueled by gasoline. The remaining 19.6% of vehicles (medium-heavy-duty to heavy-duty vehicles and buses) were assumed to run on diesel. The gasoline consumption also includes fuel used

for landscaping equipment. The diesel consumption also includes the generator for the first 6 months of operation. Calculations for annual mobile source fuel consumption are provided in Table 23.

Table 23. Annual Project Petroleum Demand

Fuel	Vehicle MT CO_2[a]	Kilograms of CO_2 per Gallon[b]	Gallons
Gasoline	64.44	8.78	7,339.30
Diesel	456.80	10.21	44,740.31
		Total	52,079.61

Sources:
[a] Attachment A.
[b] The Climate Registry 2023.
Notes: MT = metric ton; CO_2 = carbon dioxide.

As shown in Table 23, the project would result in petroleum usage of 52,080 gallons per year in the first year of operation. For subsequent years when the generator is not used, total petroleum consumption would be 8,879 gallons per year. By comparison, California as a whole consumes approximately 26.4 billion gallons of petroleum per year (EIA 2024b). Countywide total petroleum use by on-road vehicles is expected to be 1.2 billion gallons per year by 2025 (CARB 2025c).

With respect to operational transportation-related fuel usage and in relation to CEQA Guidelines Appendix F, enhanced fuel economies realized pursuant to federal and state regulatory actions and the related transition of vehicles to alternative energy sources (e.g., electricity, natural gas, biofuels, hydrogen cells) would likely decrease future petroleum fuel demands per VMT.

Based on the above, the project's operational consumption of petroleum would be **less than significant**.

Issue Energy-2. Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Construction

The project's construction contractors would be required to demonstrate compliance with applicable regulations, including federal and state requirements for construction equipment. For example, with respect to construction truck fleet operators, the U.S. EPA and NHTSA adopted fuel-efficiency standards for medium- and heavy-duty trucks that have been phased in over time. The Phase 1 heavy-duty truck standards apply to combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles for model years 2014 through 2018, and result in a reduction in fuel consumption from 6% to 23% over the 2010 baseline, depending on the vehicle type (76 FR 57106–57513). The Phase 2 heavy-duty truck standards, which cover model years 2021 through 2027, require the phase-in of a 5% to 25% reduction in fuel consumption over the 2017 baseline, depending on the compliance year and vehicle type (EPA and NHTSA 2024). The energy modeling presented in this section for trucks does not consider specific fuel reductions from these regulations because they would apply to fleets as they incorporate newer trucks meeting the regulatory standards; however, these regulations would have an overall beneficial effect on reducing fuel consumption from trucks over time as older trucks are replaced with newer models that meet the standards.

In addition, construction equipment and trucks are required to comply with CARB regulations regarding idling limits of 5 minutes per occurrence. Off-road emissions standards would also increase equipment efficiencies as they are phased in over time and as less-efficient equipment is phased out of construction fleets. These regulatory standards achieve energy savings in the form of reduced fuel consumption from more fuel-efficient engines. Although these requirements are intended to reduce criteria pollutant emissions, compliance with the anti-idling and emissions regulations would also result in the efficient use of construction-related energy. Thus, based on the information above, construction and operation of the project would comply with state and local plans for renewable energy and energy efficiency.

Per CEQA Guidelines Appendix F, the project's construction equipment would be consistent with the energy standards applicable to construction equipment, including limiting idling fuel consumption and using contractors that comply with applicable CARB regulatory standards that affect energy efficiency. Therefore, the project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency during project construction, and impacts would be **less than significant**.

Operation

Part 6 of CCR Title 24 specifically establishes energy efficiency standards for residential and non-residential buildings constructed in California to reduce energy demand and consumption. The project would comply with CCR Title 24, Part 6, per state regulations. In accordance with CCR Title 24, Part 6, the project would have sensor-based lighting controls, and for fixtures near windows, the lighting would be adjusted by taking advantage of available natural light. The project would also have efficient processing equipment; improved technology offers significant savings through more efficient processing equipment. CCR Title 24, Part 11 contains voluntary and mandatory energy measures that are applicable to the project under the CALGreen. In accordance with CCR Title 24, Part 11, the project would have 50% of its construction and demolition waste diverted from landfills; mandatory inspections of energy systems to ensure optimal working efficiency; low-pollutant-emitting exterior and interior finish materials such as paints, carpets, vinyl flooring, and particle boards; and a 20% reduction in indoor water use. Compliance with all of these mandatory measures would decrease the consumption of electricity, natural gas, and petroleum. Furthermore, the project's design to facilitate the transition to electric trucks and charge them using renewable energy supports the state's and District's goals to reduce fuel consumption and GHG emissions.

Because the project would comply with CCR Title 24, Part 6 and Part 11, the project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency, and impacts would be **less than significant**.

Cumulative Analysis

This section provides an analysis of cumulative impacts from construction and operation of the project and other past, present, and reasonably foreseeable future projects, as required by State CEQA Guidelines Section 15130. Where a lead agency concludes that the cumulative effects of a project taken together with the impacts of other closely related past, present, and reasonably foreseeable future projects are significant, the lead agency then must determine whether the project's incremental contribution to such significant cumulative impacts is "cumulatively considerable" (and thus significant in and of itself).

Cumulative projects that could exacerbate the project's impacts include any projects that could result in wasteful, inefficient, or unnecessary use of energy. However, cumulative projects would be required, as applicable, to conform to current federal, state, and local energy conservation standards, including those identified in earlier portions of

this chapter. For example, future development would be subject to the CCR Title 24 standards in place at the time of construction.

As a result, the project, in combination with other reasonably foreseeable projects, would not cause a wasteful use of energy or other nonrenewable natural resources. Therefore, the energy demand and use associated with the project and cumulative projects would not substantially contribute to a cumulative impact on existing or proposed energy supplies or resources, and would not cause a significant cumulative impact on energy resources.

The project would result in an increase in VMT and associated petroleum use, and would therefore contribute to the petroleum use within San Diego County. However, the project's incremental contribution would be minimal. Therefore, the project would not result in a cumulatively considerable impact to petroleum use.

Similarly, the project would not conflict with applicable plans for renewable energy or energy efficiency because it would include solar and would be required to adhere to building efficiency standards pursuant to CCR Title 24. As such, the project, in combination with other reasonably foreseeable projects, would not conflict with a state or local plan for renewable energy or energy efficiency. Cumulative energy impacts would be **less than significant**.

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SOURCE: USGS National Map 2025

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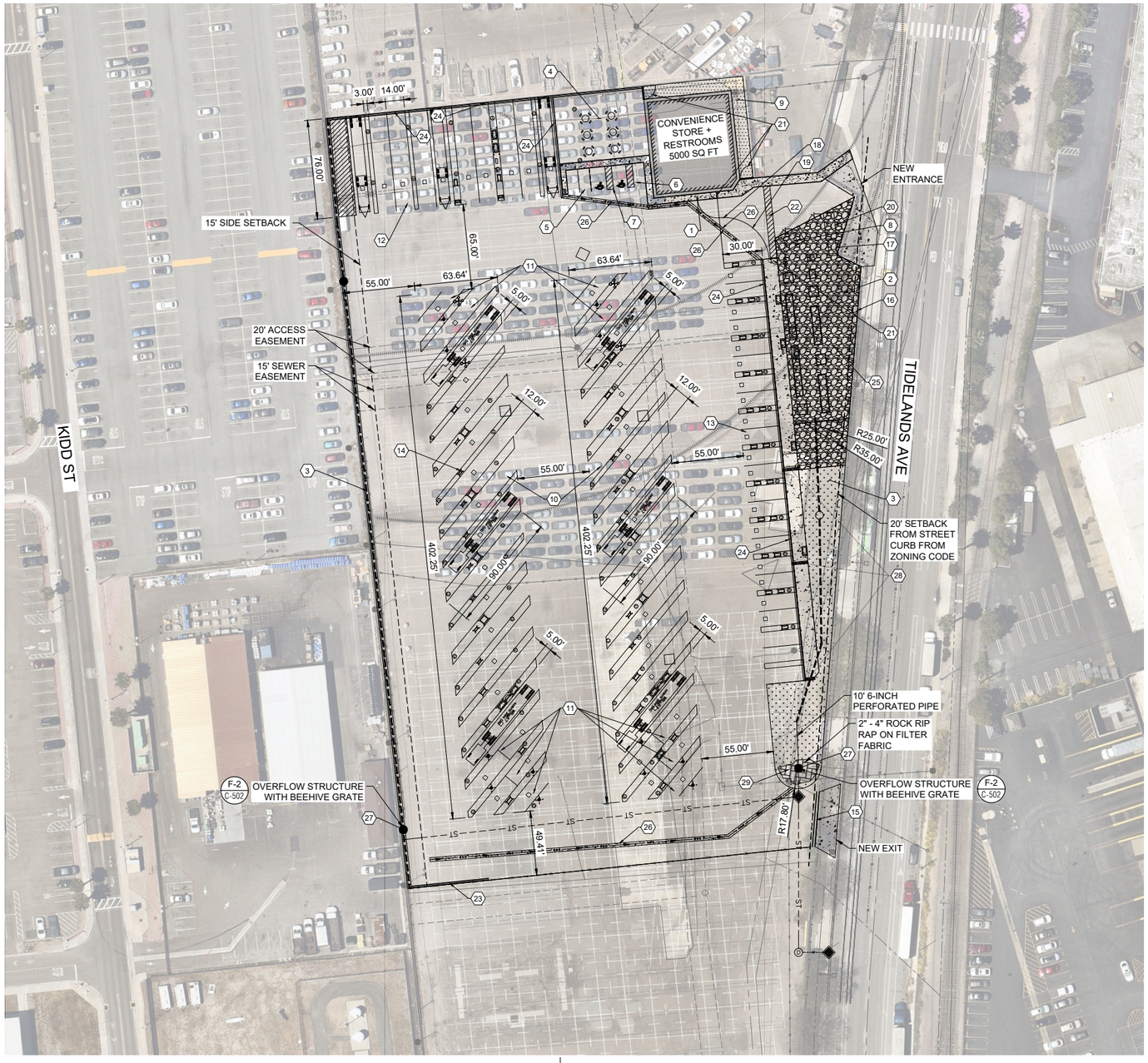
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FIGURE 1

Project Location

Tidelands Avenue Electric Truck Hub

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NORTH

OVERALL SITE PLAN

0 20' 40' 80'

SCALE IN FEET

NOTES

1. THE EXISTING INFORMATION SHOWN ARE PER RECORD DRAWINGS AND DRAWN TO THE CLOSEST ACCURACY AND WITHOUT ANY HORIZONTAL CONTROL

LEGEND AND ABBREVIATIONS

- EXISTING WATER LINE
- EXISTING OVERHEAD ELECTRICAL LINE
- EXISTING UNDERGROUND ELECTRICAL LINE
- EXISTING SANITARY SEWER LINE
- EXISTING RAIL SPUR
- EASEMENT
- EXISTING UTILITY POLE
- EXISTING SANITARY MANHOLE
- EX — EXISTING WATER LINE
- LEASE LIMIT LINE
- CHAINLINK FENCE
- FLOW LINE
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT/SIDEWALK
- VEGETATED AREA
- BUILDING
- GRAVEL
- RIP RAP
- (D) STORM MANHOLE
- STORM INLET
- ST — STORM PIPE

CONSTRUCTION NOTES (#)

1. CONCRETE SIDEWALK
2. ELECTRICAL EQUIPMENT YARD
3. LANDSCAPING/BIO FILTRATION BASIN WITH MEDIA AND UNDER DRAIN FOR STORMWATER TREATMENT
4. PICNIC AREA
5. 90° PARKING SPACE
6. ACCESSIBLE PARKING SPACE
7. VAN ACCESSIBLE PARKING SPACE
8. TRASH ENCLOSURE
9. ASPHALT PAVEMENT
10. PULL THROUGH TRUCK+TRAILER PARKING SPACES (12 TYP.)
11. PULL THROUGH TRUCK ONLY PARKING SPACES (12 TYP.)
12. OVERNIGHT TRUCK+TRAILER PARKING SPACES (14 TYP.)
13. OVERNIGHT TRUCK ONLY PARKING SPACES (22 TYP.)
14. BOLLARD (TYP)
15. 24' WIDE SLIDING GATE
16. CHAINLINK FENCE WITH GATE
17. 12'x6' PARKING SPOT WITH A CHARGER
18. 15' SWING GATE
19. 35' SWING GATE
20. 20'x8' STORAGE CONTAINER
21. MAIN GATE
22. PEDESTRIAN PATH
23. CURB
24. CURB AND GUTTER
25. GRAVEL
26. SWALE
27. OVERFLOW STRUCTURE WITH BEEHIVE GRATE
28. TRENCH DRAIN
29. RIP RAP

SOURCE: Burns McDonnell 2025

FIGURE 2

Proposed Site Plan

Tidelands Avenue Electric Truck Hub

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Attachment A

CalEEMod Outputs

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PVWatts Calculator 81

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Tidelands Avenue Electric Truck Hub Project
Construction Start Date	4/1/2026
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.0
Precipitation (days)	21
Location	32.66522061614434, -117.11628123983135
County	San Diego
City	National City
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6672
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.35

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Convenience Market (24 hour)	5.0	1000sqft	0.11	5,000	0.00	—	—	—

General Light Industry	1.00	1000sqft	0.02	1,000	0.00	—	—	—
Parking Lot	4.5	Acre	4.5	0.00	7,544	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power
Energy	E-24*	Provide Battery Storage

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.9	4.6	29	32	0.08	0.87	1.9	2.7	0.79	0.49	1.3	—	10,197	10,197	0.45	0.79	13	10,455
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.9	4.6	35	39	0.10	1.1	2.3	3.4	1.0	0.59	1.6	—	12,309	12,309	0.54	0.96	0.41	12,610
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.1	0.87	8.2	9.1	0.02	0.25	0.50	0.76	0.23	0.13	0.36	—	2,864	2,864	0.13	0.22	1.5	2,933
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.20	0.16	1.5	1.7	< 0.005	0.05	0.09	0.14	0.04	0.02	0.07	—	474	474	0.02	0.04	0.25	486

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.8	3.0	29	32	0.08	0.87	1.9	2.7	0.79	0.49	1.3	—	10,197	10,197	0.45	0.79	13	10,455
2027	4.9	4.6	11	14	0.03	0.36	1.0	1.4	0.32	0.26	0.59	—	4,486	4,486	0.20	0.40	6.3	4,617
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	4.5	3.6	35	39	0.10	1.1	2.3	3.4	1.0	0.59	1.6	—	12,309	12,309	0.54	0.96	0.41	12,610
2027	4.9	4.6	33	39	0.10	1.0	2.3	3.3	0.92	0.59	1.5	—	12,160	12,160	0.54	0.93	0.37	12,450
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.1	0.87	8.2	9.1	0.02	0.25	0.50	0.76	0.23	0.13	0.36	—	2,864	2,864	0.13	0.22	1.5	2,933
2027	0.73	0.63	3.9	4.7	0.01	0.12	0.29	0.42	0.11	0.08	0.19	—	1,476	1,476	0.07	0.12	0.81	1,514
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.20	0.16	1.5	1.7	< 0.005	0.05	0.09	0.14	0.04	0.02	0.07	—	474	474	0.02	0.04	0.25	486
2027	0.13	0.12	0.71	0.85	< 0.005	0.02	0.05	0.08	0.02	0.01	0.03	—	244	244	0.01	0.02	0.13	251

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.8	3.0	29	32	0.08	0.87	1.9	2.7	0.79	0.49	1.3	—	10,197	10,197	0.45	0.79	13	10,455
2027	4.9	4.6	11	14	0.03	0.36	1.0	1.4	0.32	0.26	0.59	—	4,486	4,486	0.20	0.40	6.3	4,617

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	4.5	3.6	35	39	0.10	1.1	2.3	3.4	1.0	0.59	1.6	—	12,309	12,309	0.54	0.96	0.41	12,610
2027	4.9	4.6	33	39	0.10	1.0	2.3	3.3	0.92	0.59	1.5	—	12,160	12,160	0.54	0.93	0.37	12,450
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.1	0.87	8.2	9.1	0.02	0.25	0.50	0.76	0.23	0.13	0.36	—	2,864	2,864	0.13	0.22	1.5	2,933
2027	0.73	0.63	3.9	4.7	0.01	0.12	0.29	0.42	0.11	0.08	0.19	—	1,476	1,476	0.07	0.12	0.81	1,514
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.20	0.16	1.5	1.7	< 0.005	0.05	0.09	0.14	0.04	0.02	0.07	—	474	474	0.02	0.04	0.25	486
2027	0.13	0.12	0.71	0.85	< 0.005	0.02	0.05	0.08	0.02	0.01	0.03	—	244	244	0.01	0.02	0.13	251

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17	15	66	41	0.08	0.30	0.77	1.1	0.30	0.19	0.49	9.5	8,750	8,760	1.6	0.13	1,040	9,876
Mit.	17	15	66	41	0.08	0.30	0.77	1.1	0.30	0.19	0.49	9.5	8,397	8,407	1.3	0.10	1,040	9,507
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	4%	4%	17%	25%	—	4%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17	15	66	41	0.08	0.30	0.77	1.1	0.29	0.19	0.49	9.5	8,710	8,720	1.6	0.13	1,037	9,834
Mit.	17	15	66	41	0.08	0.30	0.77	1.1	0.29	0.19	0.49	9.5	8,357	8,366	1.3	0.10	1,037	9,465
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	4%	4%	17%	24%	—	4%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.4	5.9	24	16	0.03	0.11	0.42	0.53	0.11	0.11	0.21	9.5	3,531	3,541	1.4	0.08	1,037	4,635
Mit.	6.4	5.9	24	16	0.03	0.11	0.42	0.53	0.11	0.11	0.21	9.5	3,178	3,187	1.1	0.05	1,037	4,266
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	10%	10%	19%	40%	—	8%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.2	1.1	4.3	2.9	0.01	0.02	0.08	0.10	0.02	0.02	0.04	1.6	585	586	0.22	0.01	172	767
Mit.	1.2	1.1	4.3	2.9	0.01	0.02	0.08	0.10	0.02	0.02	0.04	1.6	526	528	0.18	0.01	172	706
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	10%	10%	19%	40%	—	8%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.60	0.55	0.35	3.6	0.01	0.01	0.77	0.78	0.01	0.19	0.20	—	886	886	0.04	0.03	2.7	901
Area	0.21	0.21	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.1	1.1	< 0.005	< 0.005	—	1.1
Energy	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	383	383	0.26	0.03	—	398
Water	—	—	—	—	—	—	—	—	—	—	—	0.71	0.39	1.1	0.07	< 0.005	—	3.4
Waste	—	—	—	—	—	—	—	—	—	—	—	8.8	0.00	8.8	0.88	0.00	—	31
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037
Stationary	16	15	65	37	0.07	0.29	0.00	0.29	0.29	0.00	0.29	0.00	7,480	7,480	0.30	0.06	0.00	7,505
Total	17	15	66	41	0.08	0.30	0.77	1.1	0.30	0.19	0.49	9.5	8,750	8,760	1.6	0.13	1,040	9,876
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.59	0.54	0.38	3.5	0.01	0.01	0.77	0.78	0.01	0.19	0.20	—	847	847	0.05	0.04	0.07	860
Area	0.17	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	383	383	0.26	0.03	—	398
Water	—	—	—	—	—	—	—	—	—	—	—	0.71	0.39	1.1	0.07	< 0.005	—	3.4
Waste	—	—	—	—	—	—	—	—	—	—	—	8.8	0.00	8.8	0.88	0.00	—	31
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037
Stationary	16	15	65	37	0.07	0.29	0.00	0.29	0.29	0.00	0.29	0.00	7,480	7,480	0.30	0.06	0.00	7,505
Total	17	15	66	41	0.08	0.30	0.77	1.1	0.29	0.19	0.49	9.5	8,710	8,720	1.6	0.13	1,037	9,834
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.51	0.48	0.25	2.3	< 0.005	< 0.005	0.42	0.42	< 0.005	0.11	0.11	—	484	484	0.03	0.02	0.64	492
Area	0.19	0.19	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.53	0.53	< 0.005	< 0.005	—	0.53
Energy	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	383	383	0.26	0.03	—	398
Water	—	—	—	—	—	—	—	—	—	—	—	0.71	0.39	1.1	0.07	< 0.005	—	3.4
Waste	—	—	—	—	—	—	—	—	—	—	—	8.8	0.00	8.8	0.88	0.00	—	31
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037
Stationary	5.7	5.2	23	13	0.03	0.10	0.00	0.10	0.10	0.00	0.10	0.00	2,664	2,664	0.11	0.02	0.00	2,673
Total	6.4	5.9	24	16	0.03	0.11	0.42	0.53	0.11	0.11	0.21	9.5	3,531	3,541	1.4	0.08	1,037	4,635
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.09	0.09	0.05	0.43	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	80	80	0.01	< 0.005	0.11	82
Area	0.03	0.03	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.09	0.09	< 0.005	< 0.005	—	0.09
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	63	63	0.04	0.01	—	66
Water	—	—	—	—	—	—	—	—	—	—	—	0.12	0.06	0.18	0.01	< 0.005	—	0.57
Waste	—	—	—	—	—	—	—	—	—	—	—	1.5	0.00	1.5	0.15	0.00	—	5.1
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	172	172
Stationary	1.0	0.95	4.3	2.4	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	441	441	0.02	< 0.005	0.00	443
Total	1.2	1.1	4.3	2.9	0.01	0.02	0.08	0.10	0.02	0.02	0.04	1.6	585	586	0.22	0.01	172	767

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.60	0.55	0.35	3.6	0.01	0.01	0.77	0.78	0.01	0.19	0.20	—	886	886	0.04	0.03	2.7	901
Area	0.21	0.21	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.1	1.1	< 0.005	< 0.005	—	1.1
Energy	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29	29	< 0.005	< 0.005	—	29
Water	—	—	—	—	—	—	—	—	—	—	—	0.71	0.39	1.1	0.07	< 0.005	—	3.4
Waste	—	—	—	—	—	—	—	—	—	—	—	8.8	0.00	8.8	0.88	0.00	—	31
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037
Stationary	16	15	65	37	0.07	0.29	0.00	0.29	0.29	0.00	0.29	0.00	7,480	7,480	0.30	0.06	0.00	7,505
Total	17	15	66	41	0.08	0.30	0.77	1.1	0.30	0.19	0.49	9.5	8,397	8,407	1.3	0.10	1,040	9,507
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.59	0.54	0.38	3.5	0.01	0.01	0.77	0.78	0.01	0.19	0.20	—	847	847	0.05	0.04	0.07	860
Area	0.17	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29	29	< 0.005	< 0.005	—	29
Water	—	—	—	—	—	—	—	—	—	—	—	0.71	0.39	1.1	0.07	< 0.005	—	3.4
Waste	—	—	—	—	—	—	—	—	—	—	—	8.8	0.00	8.8	0.88	0.00	—	31
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037
Stationary	16	15	65	37	0.07	0.29	0.00	0.29	0.29	0.00	0.29	0.00	7,480	7,480	0.30	0.06	0.00	7,505
Total	17	15	66	41	0.08	0.30	0.77	1.1	0.29	0.19	0.49	9.5	8,357	8,366	1.3	0.10	1,037	9,465
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.51	0.48	0.25	2.3	< 0.005	< 0.005	0.42	0.42	< 0.005	0.11	0.11	—	484	484	0.03	0.02	0.64	492

Area	0.19	0.19	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.53	0.53	< 0.005	< 0.005	—	0.53
Energy	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29	29	< 0.005	< 0.005	—	29
Water	—	—	—	—	—	—	—	—	—	—	—	0.71	0.39	1.1	0.07	< 0.005	—	3.4
Waste	—	—	—	—	—	—	—	—	—	—	—	8.8	0.00	8.8	0.88	0.00	—	31
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037
Stationary	5.7	5.2	23	13	0.03	0.10	0.00	0.10	0.10	0.00	0.10	0.00	2,664	2,664	0.11	0.02	0.00	2,673
Total	6.4	5.9	24	16	0.03	0.11	0.42	0.53	0.11	0.11	0.21	9.5	3,178	3,187	1.1	0.05	1,037	4,266
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.09	0.09	0.05	0.43	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	80	80	0.01	< 0.005	0.11	82
Area	0.03	0.03	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.09	0.09	< 0.005	< 0.005	—	0.09
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.8	4.8	< 0.005	< 0.005	—	4.8
Water	—	—	—	—	—	—	—	—	—	—	—	0.12	0.06	0.18	0.01	< 0.005	—	0.57
Waste	—	—	—	—	—	—	—	—	—	—	—	1.5	0.00	1.5	0.15	0.00	—	5.1
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	172	172
Stationary	1.0	0.95	4.3	2.4	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	441	441	0.02	< 0.005	0.00	443
Total	1.2	1.1	4.3	2.9	0.01	0.02	0.08	0.10	0.02	0.02	0.04	1.6	526	528	0.18	0.01	172	706

3. Construction Emissions Details

3.1. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	2.8	2.3	20	23	0.04	0.69	—	0.69	0.64	—	0.64	—	4,268	4,268	0.17	0.03	—	4,283
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.8	2.3	20	23	0.04	0.69	—	0.69	0.64	—	0.64	—	4,268	4,268	0.17	0.03	—	4,283
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.69	5.9	6.8	0.01	0.21	—	0.21	0.19	—	0.19	—	1,278	1,278	0.05	0.01	—	1,282
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.1	1.2	< 0.005	0.04	—	0.04	0.03	—	0.03	—	212	212	0.01	< 0.005	—	212
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.17	2.6	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	558	558	0.03	0.02	2.0	566
Vendor	0.12	0.05	1.9	0.89	0.01	0.02	0.38	0.40	0.02	0.11	0.13	—	1,474	1,474	0.06	0.21	3.6	1,542
Hauling	0.15	0.05	2.7	1.0	0.01	0.04	0.56	0.60	0.03	0.15	0.18	—	2,110	2,110	0.11	0.34	4.4	2,218

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.19	2.3	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	527	527	0.03	0.02	0.05	534
Vendor	0.11	0.05	2.0	0.91	0.01	0.02	0.38	0.40	0.02	0.11	0.13	—	1,475	1,475	0.06	0.21	0.09	1,540
Hauling	0.15	0.04	2.8	1.1	0.01	0.04	0.56	0.60	0.03	0.15	0.18	—	2,111	2,111	0.11	0.34	0.11	2,215
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.69	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	159	159	0.01	0.01	0.25	161
Vendor	0.03	0.01	0.59	0.27	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	441	441	0.02	0.06	0.47	461
Hauling	0.05	0.01	0.84	0.31	< 0.005	0.01	0.16	0.18	0.01	0.05	0.05	—	632	632	0.03	0.10	0.57	664
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	26	26	< 0.005	< 0.005	0.04	27
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73	73	< 0.005	0.01	0.08	76
Hauling	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	105	105	0.01	0.02	0.09	110

3.2. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.8	2.3	20	23	0.04	0.69	—	0.69	0.64	—	0.64	—	4,268	4,268	0.17	0.03	—	4,283
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	2.8	2.3	20	23	0.04	0.69	—	0.69	0.64	—	0.64	—	4,268	4,268	0.17	0.03	—	4,283
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.83	0.69	5.9	6.8	0.01	0.21	—	0.21	0.19	—	0.19	—	1,278	1,278	0.05	0.01	—	1,282
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.15	0.13	1.1	1.2	< 0.005	0.04	—	0.04	0.03	—	0.03	—	212	212	0.01	< 0.005	—	212
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.17	2.6	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	558	558	0.03	0.02	2.0	566
Vendor	0.12	0.05	1.9	0.89	0.01	0.02	0.38	0.40	0.02	0.11	0.13	—	1,474	1,474	0.06	0.21	3.6	1,542
Hauling	0.15	0.05	2.7	1.0	0.01	0.04	0.56	0.60	0.03	0.15	0.18	—	2,110	2,110	0.11	0.34	4.4	2,218
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.19	2.3	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	527	527	0.03	0.02	0.05	534
Vendor	0.11	0.05	2.0	0.91	0.01	0.02	0.38	0.40	0.02	0.11	0.13	—	1,475	1,475	0.06	0.21	0.09	1,540
Hauling	0.15	0.04	2.8	1.1	0.01	0.04	0.56	0.60	0.03	0.15	0.18	—	2,111	2,111	0.11	0.34	0.11	2,215
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.06	0.06	0.69	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	159	159	0.01	0.01	0.25	161
Vendor	0.03	0.01	0.59	0.27	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	441	441	0.02	0.06	0.47	461
Hauling	0.05	0.01	0.84	0.31	< 0.005	0.01	0.16	0.18	0.01	0.05	0.05	—	632	632	0.03	0.10	0.57	664
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	26	26	< 0.005	< 0.005	0.04	27
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73	73	< 0.005	0.01	0.08	76
Hauling	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	105	105	0.01	0.02	0.09	110

3.3. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.6	2.2	19	23	0.04	0.62	—	0.62	0.57	—	0.57	—	4,268	4,268	0.17	0.03	—	4,283
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.2	1.4	< 0.005	0.04	—	0.04	0.04	—	0.04	—	267	267	0.01	< 0.005	—	268
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.03	0.03	0.22	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44	44	< 0.005	< 0.005	—	44
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.21	0.18	2.2	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	518	518	0.03	0.02	0.05	525
Vendor	0.10	0.05	1.9	0.87	0.01	0.02	0.38	0.40	0.02	0.11	0.13	—	1,444	1,444	0.06	0.20	0.08	1,505
Hauling	0.15	0.04	2.7	1.0	0.01	0.04	0.56	0.60	0.03	0.15	0.18	—	2,061	2,061	0.11	0.33	0.11	2,161
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	33	33	< 0.005	< 0.005	0.05	33
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	90	90	< 0.005	0.01	0.09	94
Hauling	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	129	129	0.01	0.02	0.11	135
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.4	5.4	< 0.005	< 0.005	0.01	5.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15	15	< 0.005	< 0.005	0.01	16
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21	21	< 0.005	< 0.005	0.02	22

3.4. Building Construction (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.6	2.2	19	23	0.04	0.62	—	0.62	0.57	—	0.57	—	4,268	4,268	0.17	0.03	—	4,283
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.2	1.4	< 0.005	0.04	—	0.04	0.04	—	0.04	—	267	267	0.01	< 0.005	—	268
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.22	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44	44	< 0.005	< 0.005	—	44
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.21	0.18	2.2	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	518	518	0.03	0.02	0.05	525
Vendor	0.10	0.05	1.9	0.87	0.01	0.02	0.38	0.40	0.02	0.11	0.13	—	1,444	1,444	0.06	0.20	0.08	1,505
Hauling	0.15	0.04	2.7	1.0	0.01	0.04	0.56	0.60	0.03	0.15	0.18	—	2,061	2,061	0.11	0.33	0.11	2,161
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	33	33	< 0.005	< 0.005	0.05	33
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	90	90	< 0.005	0.01	0.09	94
Hauling	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	129	129	0.01	0.02	0.11	135
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.4	5.4	< 0.005	< 0.005	0.01	5.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15	15	< 0.005	< 0.005	0.01	16
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21	21	< 0.005	< 0.005	0.02	22

3.5. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.1	9.9	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.11	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.43	0.60	< 0.005	0.02	—	0.02	0.02	—	0.02	—	92	92	< 0.005	< 0.005	—	92
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15	15	< 0.005	< 0.005	—	15
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.09	1.1	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	263	263	0.01	0.01	0.03	267
Vendor	0.06	0.02	0.99	0.45	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	737	737	0.03	0.11	0.05	770
Hauling	0.10	0.03	1.9	0.70	0.01	0.03	0.37	0.40	0.02	0.10	0.12	—	1,407	1,407	0.07	0.23	0.08	1,477
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16	16	< 0.005	< 0.005	0.03	16
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45	45	< 0.005	0.01	0.05	47
Hauling	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	85	85	< 0.005	0.01	0.08	90
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.7	2.7	< 0.005	< 0.005	< 0.005	2.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.4	7.4	< 0.005	< 0.005	0.01	7.7
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14	14	< 0.005	< 0.005	0.01	15

3.6. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.1	9.9	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.11	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.43	0.60	< 0.005	0.02	—	0.02	0.02	—	0.02	—	92	92	< 0.005	< 0.005	—	92
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15	15	< 0.005	< 0.005	—	15
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.09	1.1	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	263	263	0.01	0.01	0.03	267
Vendor	0.06	0.02	0.99	0.45	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	737	737	0.03	0.11	0.05	770
Hauling	0.10	0.03	1.9	0.70	0.01	0.03	0.37	0.40	0.02	0.10	0.12	—	1,407	1,407	0.07	0.23	0.08	1,477
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16	16	< 0.005	< 0.005	0.03	16
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45	45	< 0.005	0.01	0.05	47
Hauling	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	85	85	< 0.005	0.01	0.08	90
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.7	2.7	< 0.005	< 0.005	< 0.005	2.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.4	7.4	< 0.005	< 0.005	0.01	7.7
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14	14	< 0.005	< 0.005	0.01	15

3.7. Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.9	10.0	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.11	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.9	10.0	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.11	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.17	1.6	2.4	< 0.005	0.07	—	0.07	0.06	—	0.06	—	358	358	0.01	< 0.005	—	359
Paving	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.43	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59	59	< 0.005	< 0.005	—	59
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	1.2	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	274	274	0.01	0.01	0.89	278
Vendor	0.05	0.03	0.91	0.43	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	721	721	0.03	0.10	1.6	754

Hauling	0.10	0.03	1.7	0.68	0.01	0.03	0.37	0.40	0.02	0.10	0.12	—	1,373	1,373	0.07	0.22	2.7	1,443
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.09	1.1	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	259	259	0.01	0.01	0.02	262
Vendor	0.05	0.02	0.94	0.44	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	722	722	0.03	0.10	0.04	753
Hauling	0.10	0.03	1.8	0.69	0.01	0.03	0.37	0.40	0.02	0.10	0.12	—	1,374	1,374	0.07	0.22	0.07	1,441
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	62	62	< 0.005	< 0.005	0.09	63
Vendor	0.01	0.01	0.22	0.10	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	171	171	0.01	0.02	0.16	178
Hauling	0.02	0.01	0.43	0.16	< 0.005	0.01	0.09	0.09	< 0.005	0.02	0.03	—	325	325	0.02	0.05	0.28	341
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10	10	< 0.005	< 0.005	0.02	10
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28	28	< 0.005	< 0.005	0.03	30
Hauling	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	54	54	< 0.005	0.01	0.05	57

3.8. Paving (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.9	10.0	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.11	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.9	10.0	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.11	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.17	1.6	2.4	< 0.005	0.07	—	0.07	0.06	—	0.06	—	358	358	0.01	< 0.005	—	359
Paving	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.43	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59	59	< 0.005	< 0.005	—	59
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	1.2	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	274	274	0.01	0.01	0.89	278
Vendor	0.05	0.03	0.91	0.43	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	721	721	0.03	0.10	1.6	754
Hauling	0.10	0.03	1.7	0.68	0.01	0.03	0.37	0.40	0.02	0.10	0.12	—	1,373	1,373	0.07	0.22	2.7	1,443

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.09	1.1	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	259	259	0.01	0.01	0.02	262
Vendor	0.05	0.02	0.94	0.44	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	722	722	0.03	0.10	0.04	753
Hauling	0.10	0.03	1.8	0.69	0.01	0.03	0.37	0.40	0.02	0.10	0.12	—	1,374	1,374	0.07	0.22	0.07	1,441
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	62	62	< 0.005	< 0.005	0.09	63
Vendor	0.01	0.01	0.22	0.10	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	171	171	0.01	0.02	0.16	178
Hauling	0.02	0.01	0.43	0.16	< 0.005	0.01	0.09	0.09	< 0.005	0.02	0.03	—	325	325	0.02	0.05	0.28	341
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10	10	< 0.005	< 0.005	0.02	10
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28	28	< 0.005	< 0.005	0.03	30
Hauling	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	54	54	< 0.005	0.01	0.05	57

3.9. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	3.4	3.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	3.4	3.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.8	8.8	< 0.005	< 0.005	—	8.8
Architectural Coatings	0.23	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.5	1.5	< 0.005	< 0.005	—	1.5
Architectural Coatings	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.41	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	91	91	< 0.005	< 0.005	0.30	93
Vendor	0.02	0.01	0.30	0.14	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	240	240	0.01	0.03	0.54	251
Hauling	0.01	< 0.005	0.17	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.27	144
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.36	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	86	86	< 0.005	< 0.005	0.01	87
Vendor	0.02	0.01	0.31	0.15	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	241	241	0.01	0.03	0.01	251
Hauling	0.01	< 0.005	0.18	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.01	144
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.7	5.7	< 0.005	< 0.005	0.01	5.8
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16	16	< 0.005	< 0.005	0.02	17
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.0	9.0	< 0.005	< 0.005	0.01	9.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.95	0.95	< 0.005	< 0.005	< 0.005	0.96
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.6	2.6	< 0.005	< 0.005	< 0.005	2.7
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.5	1.5	< 0.005	< 0.005	< 0.005	1.6

3.10. Architectural Coating (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.14	0.11	0.83	1.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	3.4	3.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	3.4	3.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.8	8.8	< 0.005	< 0.005	—	8.8
Architectural Coatings	0.23	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.5	1.5	< 0.005	< 0.005	—	1.5

Architect Coatings	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.41	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	91	91	< 0.005	< 0.005	0.30	93
Vendor	0.02	0.01	0.30	0.14	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	240	240	0.01	0.03	0.54	251
Hauling	0.01	< 0.005	0.17	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.27	144
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.36	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	86	86	< 0.005	< 0.005	0.01	87
Vendor	0.02	0.01	0.31	0.15	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	241	241	0.01	0.03	0.01	251
Hauling	0.01	< 0.005	0.18	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.01	144
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.7	5.7	< 0.005	< 0.005	0.01	5.8
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16	16	< 0.005	< 0.005	0.02	17
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.0	9.0	< 0.005	< 0.005	0.01	9.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.95	0.95	< 0.005	< 0.005	< 0.005	0.96
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.6	2.6	< 0.005	< 0.005	< 0.005	2.7
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.5	1.5	< 0.005	< 0.005	< 0.005	1.6

3.11. Trenching/Excavation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	2.7	3.6	< 0.005	0.10	—	0.10	0.10	—	0.10	—	531	531	0.02	< 0.005	—	533
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	2.7	3.6	< 0.005	0.10	—	0.10	0.10	—	0.10	—	531	531	0.02	< 0.005	—	533
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.17	0.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	33	33	< 0.005	< 0.005	—	34
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.5	5.5	< 0.005	< 0.005	—	5.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.06	0.04	0.69	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	149	149	0.01	0.01	0.52	151
Vendor	0.03	0.01	0.51	0.24	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	393	393	0.01	0.06	0.96	411
Hauling	0.05	0.02	0.91	0.35	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	703	703	0.04	0.11	1.5	739
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.61	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	140	140	0.01	0.01	0.01	142
Vendor	0.03	0.01	0.53	0.24	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	393	393	0.01	0.06	0.02	411
Hauling	0.05	0.01	0.94	0.35	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	704	704	0.04	0.11	0.04	738
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.9	8.9	< 0.005	< 0.005	0.01	9.1
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25	25	< 0.005	< 0.005	0.03	26
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44	44	< 0.005	0.01	0.04	47
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.5	1.5	< 0.005	< 0.005	< 0.005	1.5
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.1	4.1	< 0.005	< 0.005	< 0.005	4.3
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.3	7.3	< 0.005	< 0.005	0.01	7.7

3.12. Trenching/Excavation (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	2.7	3.6	< 0.005	0.10	—	0.10	0.10	—	0.10	—	531	531	0.02	< 0.005	—	533

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	2.7	3.6	< 0.005	0.10	—	0.10	0.10	—	0.10	—	531	531	0.02	< 0.005	—	533
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.17	0.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	33	33	< 0.005	< 0.005	—	34
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.5	5.5	< 0.005	< 0.005	—	5.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.69	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	149	149	0.01	0.01	0.52	151
Vendor	0.03	0.01	0.51	0.24	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	393	393	0.01	0.06	0.96	411
Hauling	0.05	0.02	0.91	0.35	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	703	703	0.04	0.11	1.5	739
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.06	0.06	0.05	0.61	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	140	140	0.01	0.01	0.01	142
Vendor	0.03	0.01	0.53	0.24	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	393	393	0.01	0.06	0.02	411
Hauling	0.05	0.01	0.94	0.35	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	704	704	0.04	0.11	0.04	738
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.9	8.9	< 0.005	< 0.005	0.01	9.1
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25	25	< 0.005	< 0.005	0.03	26
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44	44	< 0.005	0.01	0.04	47
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.5	1.5	< 0.005	< 0.005	< 0.005	1.5
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.1	4.1	< 0.005	< 0.005	< 0.005	4.3
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.3	7.3	< 0.005	< 0.005	0.01	7.7

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	0.60	0.55	0.35	3.6	0.01	0.01	0.77	0.78	0.01	0.19	0.20	—	886	886	0.04	0.03	2.7	901
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.60	0.55	0.35	3.6	0.01	0.01	0.77	0.78	0.01	0.19	0.20	—	886	886	0.04	0.03	2.7	901
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	0.59	0.54	0.38	3.5	0.01	0.01	0.77	0.78	0.01	0.19	0.20	—	847	847	0.05	0.04	0.07	860
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.59	0.54	0.38	3.5	0.01	0.01	0.77	0.78	0.01	0.19	0.20	—	847	847	0.05	0.04	0.07	860
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	0.09	0.09	0.05	0.43	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	80	80	0.01	< 0.005	0.11	82
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.09	0.09	0.05	0.43	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	80	80	0.01	< 0.005	0.11	82

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenience Market (24 hour)	0.60	0.55	0.35	3.6	0.01	0.01	0.77	0.78	0.01	0.19	0.20	—	886	886	0.04	0.03	2.7	901
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.60	0.55	0.35	3.6	0.01	0.01	0.77	0.78	0.01	0.19	0.20	—	886	886	0.04	0.03	2.7	901
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	0.59	0.54	0.38	3.5	0.01	0.01	0.77	0.78	0.01	0.19	0.20	—	847	847	0.05	0.04	0.07	860
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.59	0.54	0.38	3.5	0.01	0.01	0.77	0.78	0.01	0.19	0.20	—	847	847	0.05	0.04	0.07	860
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	0.09	0.09	0.05	0.43	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	80	80	0.01	< 0.005	0.11	82
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.09	0.09	0.05	0.43	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	80	80	0.01	< 0.005	0.11	82

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	19	19	0.01	< 0.005	—	20
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	313	313	0.23	0.03	—	327
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	21	21	0.02	< 0.005	—	22
Total	—	—	—	—	—	—	—	—	—	—	—	—	353	353	0.26	0.03	—	369
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	19	19	0.01	< 0.005	—	20
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	313	313	0.23	0.03	—	327
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	21	21	0.02	< 0.005	—	22
Total	—	—	—	—	—	—	—	—	—	—	—	—	353	353	0.26	0.03	—	369
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	3.1	3.1	< 0.005	< 0.005	—	3.3

General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	52	52	0.04	< 0.005	—	54
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3.5	3.5	< 0.005	< 0.005	—	3.7
Total	—	—	—	—	—	—	—	—	—	—	—	—	59	59	0.04	0.01	—	61

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29	29	< 0.005	< 0.005	—	29
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29	29	< 0.005	< 0.005	—	29
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenience Market (24 hour)	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29	29	< 0.005	< 0.005	—	29
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29	29	< 0.005	< 0.005	—	29
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.8	4.8	< 0.005	< 0.005	—	4.8
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.8	4.8	< 0.005	< 0.005	—	4.8

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29	29	< 0.005	< 0.005	—	29

General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29	29	< 0.005	< 0.005	—	29
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29	29	< 0.005	< 0.005	—	29
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29	29	< 0.005	< 0.005	—	29
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.8	4.8	< 0.005	< 0.005	—	4.8
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.8	4.8	< 0.005	< 0.005	—	4.8

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.14	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.05	0.04	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.1	1.1	< 0.005	< 0.005	—	1.1
Total	0.21	0.21	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.1	1.1	< 0.005	< 0.005	—	1.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.14	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.17	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.09	0.09	< 0.005	< 0.005	—	0.09
Total	0.03	0.03	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.09	0.09	< 0.005	< 0.005	—	0.09

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.14	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.05	0.04	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.1	1.1	< 0.005	< 0.005	—	1.1
Total	0.21	0.21	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.1	1.1	< 0.005	< 0.005	—	1.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.14	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.17	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consum Products	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.09	0.09	< 0.005	< 0.005	—	0.09
Total	0.03	0.03	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.09	0.09	< 0.005	< 0.005	—	0.09

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.71	0.31	1.0	0.07	< 0.005	—	3.4
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.07	0.07	< 0.005	< 0.005	—	0.08
Total	—	—	—	—	—	—	—	—	—	—	—	0.71	0.39	1.1	0.07	< 0.005	—	3.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenience	—	—	—	—	—	—	—	—	—	—	—	0.71	0.31	1.0	0.07	< 0.005	—	3.4
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.07	0.07	< 0.005	< 0.005	—	0.08
Total	—	—	—	—	—	—	—	—	—	—	—	0.71	0.39	1.1	0.07	< 0.005	—	3.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.12	0.05	0.17	0.01	< 0.005	—	0.56
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	< 0.005	< 0.005	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	0.12	0.06	0.18	0.01	< 0.005	—	0.57

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.71	0.31	1.0	0.07	< 0.005	—	3.4
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.07	0.07	< 0.005	< 0.005	—	0.08
Total	—	—	—	—	—	—	—	—	—	—	—	0.71	0.39	1.1	0.07	< 0.005	—	3.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.71	0.31	1.0	0.07	< 0.005	—	3.4
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.07	0.07	< 0.005	< 0.005	—	0.08
Total	—	—	—	—	—	—	—	—	—	—	—	0.71	0.39	1.1	0.07	< 0.005	—	3.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.12	0.05	0.17	0.01	< 0.005	—	0.56
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	< 0.005	< 0.005	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	0.12	0.06	0.18	0.01	< 0.005	—	0.57

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	8.1	0.00	8.1	0.81	0.00	—	28
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.67	0.00	0.67	0.07	0.00	—	2.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	8.8	0.00	8.8	0.88	0.00	—	31
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	8.1	0.00	8.1	0.81	0.00	—	28
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.67	0.00	0.67	0.07	0.00	—	2.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	8.8	0.00	8.8	0.88	0.00	—	31
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	1.3	0.00	1.3	0.13	0.00	—	4.7
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.11	0.00	0.11	0.01	0.00	—	0.39
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.5	0.00	1.5	0.15	0.00	—	5.1

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	8.1	0.00	8.1	0.81	0.00	—	28
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.67	0.00	0.67	0.07	0.00	—	2.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	8.8	0.00	8.8	0.88	0.00	—	31
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	8.1	0.00	8.1	0.81	0.00	—	28
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.67	0.00	0.67	0.07	0.00	—	2.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	8.8	0.00	8.8	0.88	0.00	—	31
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	1.3	0.00	1.3	0.13	0.00	—	4.7

General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.11	0.00	0.11	0.01	0.00	—	0.39
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.5	0.00	1.5	0.15	0.00	—	5.1

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	172	172
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	172	172

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,037	1,037

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	172	172
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	172	172

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	16	15	65	37	0.07	0.29	0.00	0.29	0.29	0.00	0.29	0.00	7,480	7,480	0.30	0.06	0.00	7,505
Total	16	15	65	37	0.07	0.29	0.00	0.29	0.29	0.00	0.29	0.00	7,480	7,480	0.30	0.06	0.00	7,505
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	16	15	65	37	0.07	0.29	0.00	0.29	0.29	0.00	0.29	0.00	7,480	7,480	0.30	0.06	0.00	7,505
Total	16	15	65	37	0.07	0.29	0.00	0.29	0.29	0.00	0.29	0.00	7,480	7,480	0.30	0.06	0.00	7,505

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.0	0.95	4.3	2.4	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	441	441	0.02	< 0.005	0.00	443
Total	1.0	0.95	4.3	2.4	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	441	441	0.02	< 0.005	0.00	443

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	16	15	65	37	0.07	0.29	0.00	0.29	0.29	0.00	0.29	0.00	7,480	7,480	0.30	0.06	0.00	7,505
Total	16	15	65	37	0.07	0.29	0.00	0.29	0.29	0.00	0.29	0.00	7,480	7,480	0.30	0.06	0.00	7,505
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	16	15	65	37	0.07	0.29	0.00	0.29	0.29	0.00	0.29	0.00	7,480	7,480	0.30	0.06	0.00	7,505
Total	16	15	65	37	0.07	0.29	0.00	0.29	0.29	0.00	0.29	0.00	7,480	7,480	0.30	0.06	0.00	7,505
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.0	0.95	4.3	2.4	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	441	441	0.02	< 0.005	0.00	443
Total	1.0	0.95	4.3	2.4	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	441	441	0.02	< 0.005	0.00	443

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Building Construction	Building Construction	8/1/2026	2/1/2027	5.0	131	—
Paving	Paving	12/1/2026	5/1/2027	5.0	109	—
Architectural Coating	Architectural Coating	3/1/2027	4/1/2027	5.0	24	—
Trenching/Excavation	Trenching	9/1/2026	10/1/2026	5.0	23	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Building Construction	Cranes	Diesel	Average	2.0	8.0	367	0.29
Building Construction	Forklifts	Diesel	Average	3.0	7.0	82	0.20

Building Construction	Tractors/Loaders/Back	Diesel	Average	2.0	6.0	84	0.37
Building Construction	Generator Sets	Diesel	Average	2.0	8.0	14	0.74
Building Construction	Welders	Diesel	Average	6.0	8.0	46	0.45
Paving	Pavers	Diesel	Average	2.0	8.0	81	0.42
Paving	Rollers	Diesel	Average	2.0	8.0	36	0.38
Paving	Paving Equipment	Diesel	Average	2.0	8.0	89	0.36
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.0	37	0.48
Trenching/Excavation	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.0	84	0.37
Trenching/Excavation	Trenchers	Diesel	Average	1.00	8.0	40	0.50
Trenching/Excavation	Rollers	Diesel	Average	1.00	6.0	36	0.38

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Building Construction	Cranes	Diesel	Average	2.0	8.0	367	0.29
Building Construction	Forklifts	Diesel	Average	3.0	7.0	82	0.20
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	2.0	6.0	84	0.37
Building Construction	Generator Sets	Diesel	Average	2.0	8.0	14	0.74
Building Construction	Welders	Diesel	Average	6.0	8.0	46	0.45
Paving	Pavers	Diesel	Average	2.0	8.0	81	0.42
Paving	Rollers	Diesel	Average	2.0	8.0	36	0.38
Paving	Paving Equipment	Diesel	Average	2.0	8.0	89	0.36
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.0	37	0.48
Trenching/Excavation	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.0	84	0.37
Trenching/Excavation	Trenchers	Diesel	Average	1.00	8.0	40	0.50
Trenching/Excavation	Rollers	Diesel	Average	1.00	6.0	36	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Building Construction	Worker	60	12	LDA,LDT1,LDT2
Building Construction	Vendor	60	7.6	HHDT,MHDT
Building Construction	Hauling	30	20	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	30	12	LDA,LDT1,LDT2
Paving	Vendor	30	7.6	HHDT,MHDT
Paving	Hauling	20	20	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	10.0	12	LDA,LDT1,LDT2
Architectural Coating	Vendor	10.0	7.6	HHDT,MHDT
Architectural Coating	Hauling	2.0	20	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching/Excavation	Worker	16	12	LDA,LDT1,LDT2
Trenching/Excavation	Vendor	16	7.6	HHDT,MHDT
Trenching/Excavation	Hauling	10.0	20	HHDT
Trenching/Excavation	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Building Construction	Worker	60	12	LDA,LDT1,LDT2
Building Construction	Vendor	60	7.6	HHDT,MHDT
Building Construction	Hauling	30	20	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	30	12	LDA,LDT1,LDT2

Paving	Vendor	30	7.6	HHDT,MHDT
Paving	Hauling	20	20	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	10.0	12	LDA,LDT1,LDT2
Architectural Coating	Vendor	10.0	7.6	HHDT,MHDT
Architectural Coating	Hauling	2.0	20	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching/Excavation	Worker	16	12	LDA,LDT1,LDT2
Trenching/Excavation	Vendor	16	7.6	HHDT,MHDT
Trenching/Excavation	Hauling	10.0	20	HHDT
Trenching/Excavation	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	9,000	3,000	11,787

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Paving	0.00	0.00	0.00	0.00	4.5

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Convenience Market (24 hour)	0.00	0%
Paving	General Light Industry	0.00	0%
Paving	Parking Lot	4.5	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	33,612	45	0.03	< 0.005
2027	11,204	45	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Convenience Market (24 hour)	148	148	148	54,020	408	1,088	1,088	219,973
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Convenience Market (24 hour)	148	148	148	54,020	408	1,088	1,088	219,973

General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Convenience Market (24 hour)	Wood Fireplaces	0	0
Convenience Market (24 hour)	Gas Fireplaces	0	0
Convenience Market (24 hour)	Propane Fireplaces	0	0
Convenience Market (24 hour)	Electric Fireplaces	0	0
Convenience Market (24 hour)	No Fireplaces	0	0
Convenience Market (24 hour)	Conventional Wood Stoves	0	0
Convenience Market (24 hour)	Catalytic Wood Stoves	0	0
Convenience Market (24 hour)	Non-Catalytic Wood Stoves	0	0
Convenience Market (24 hour)	Pellet Wood Stoves	0	0
General Light Industry	Wood Fireplaces	0	0
General Light Industry	Gas Fireplaces	0	0
General Light Industry	Propane Fireplaces	0	0
General Light Industry	Electric Fireplaces	0	0
General Light Industry	No Fireplaces	0	0
General Light Industry	Conventional Wood Stoves	0	0
General Light Industry	Catalytic Wood Stoves	0	0
General Light Industry	Non-Catalytic Wood Stoves	0	0
General Light Industry	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0

Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

—	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
undefined	0.00	0.00	9,000	3,000	11,787

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Convenience Market (24 hour)	153,429	45	0.0330	0.0040	91,059

General Light Industry	2,534,439	45	0.0330	0.0040	0.00
Parking Lot	172,095	45	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Convenience Market (24 hour)	< 0.005	45	0.0330	0.0040	91,059
General Light Industry	0.00	45	0.0330	0.0040	0.00
Parking Lot	0.00	45	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Convenience Market (24 hour)	370,363	0.00
General Light Industry	0.00	0.00
Parking Lot	0.00	112,739

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Convenience Market (24 hour)	370,363	0.00
General Light Industry	0.00	0.00
Parking Lot	0.00	112,739

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Convenience Market (24 hour)	15	0.00
General Light Industry	1.2	0.00
Parking Lot	0.00	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Convenience Market (24 hour)	15	0.00
General Light Industry	1.2	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Convenience Market (24 hour)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.0	4.0	18
Convenience Market (24 hour)	Supermarket refrigeration and condensing units	R-404A	3,922	27	17	17	18
General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.0	4.0	18

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Convenience Market (24 hour)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.0	4.0	18
Convenience Market (24 hour)	Supermarket refrigeration and condensing units	R-404A	3,922	27	17	17	18

General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.0	4.0	18

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	1.00	10.0	1,300	891	0.73

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	8.9	annual days of extreme heat
Extreme Precipitation	1.9	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	1.4	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	27
AQ-PM	52
AQ-DPM	91
Drinking Water	33
Lead Risk Housing	83
Pesticides	0.00
Toxic Releases	60
Traffic	68
Effect Indicators	—
CleanUp Sites	98
Groundwater	99
Haz Waste Facilities/Generators	99
Impaired Water Bodies	95
Solid Waste	96

Sensitive Population	—
Asthma	25
Cardio-vascular	14
Low Birth Weights	84
Socioeconomic Factor Indicators	—
Education	46
Housing	67
Linguistic	74
Poverty	68
Unemployment	43

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	—
Employed	—
Median HI	—
Education	—
Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—

Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—
Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	0.0
Asthma ER Admissions	86.1
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.0
Cognitively Disabled	78.9
Physically Disabled	55.6
Heart Attack ER Admissions	43.1
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0

Obesity	0.0
Pedestrian Injuries	0.0
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	26.8
Children	97.4
Elderly	96.3
English Speaking	0.0
Foreign-born	0.0
Outdoor Workers	70.4
Climate Change Adaptive Capacity	—
Impervious Surface Cover	6.8
Traffic Density	0.0
Traffic Access	52.3
Other Indices	—
Hardship	0.0
Other Decision Support	—
2016 Voting	0.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79

Healthy Places Index Score for Project Location (b)	—
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	Portside EJ Communities

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Construction: Construction Phases	Based on applicant provided information.
Construction: Off-Road Equipment	Based on applicant provided information.
Construction: Trips and VMT	Based on applicant provided information.
Construction: Electricity	Based on estimated electricity use during construction.
Operations: Vehicle Data	Based on trip generation for autos visiting the site.
Operations: Energy Use	Charging losses included for charging stations and BESS.
Operations: Water and Waste Water	No water use for charging stations.
Operations: Generators + Pumps EF	Generator includes CARB-certified Level 3 diesel particulate filter.

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NATIONAL RENEWABLE ENERGY LABORATORY

Caution: Photovoltaic system performance predictions calculated by PVWatts® include many inherent assumptions and uncertainties and do not reflect variations between PV technologies nor site-specific characteristics except as represented by PVWatts® inputs. For example, PV modules with better performance are not differentiated within PVWatts® from lesser performing modules. Both NREL and private companies provide more sophisticated PV modeling tools (such as the System Advisor Model at //sam.nrel.gov) that allow for more precise and complex modeling of PV systems.

The expected range is based on 30 years of actual weather data at the given location and is intended to provide an indication of the variation you might see. For more information, please refer to this NREL report: The Error Report.

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RESULTS

2,902,255 kWh/Year*

System output may range from 2,789,647 to 2,920,539 kWh per year near this location.

Month	Solar Radiation (kWh / m^2 / day)	AC Energy (kWh)
January	4.71	196,709
February	5.20	196,303
March	6.31	256,848
April	6.64	261,633
May	6.51	262,775
June	6.93	269,134
July	7.12	283,258
August	7.05	277,941
September	6.81	262,219
October	5.95	239,655
November	4.94	196,294
December	4.71	199,486
Annual	6.07	2,902,255

Location and Station Identification

Requested Location	525 W 20th St National City, CA 91950
Weather Data Source	Lat, Lng: 32.65, -117.1 1.2 mi

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The energy output range is based on analysis of 30 years of historical weather data, and is intended to provide an indication of the possible interannual variability in generation for a Fixed (open rack) PV system at this location.

Latitude	**32.65° N**
Longitude	**117.10° W**

PV System Specifications

DC System Size	**1703.33 kW**
Module Type	**Standard**
Array Type	**Fixed (open rack)**
System Losses	**14.08%**
Array Tilt	**20°**
Array Azimuth	**180°**
DC to AC Size Ratio	**1.2**
Inverter Efficiency	**96%**
Ground Coverage Ratio	**0.4**
Albedo	***From weather file***
Bifacial	**No (0)**

Monthly Irradiance Loss

Jan	Feb	Mar	Apr	May	June
0%	0%	0%	0%	0%	0%
July	**Aug**	**Sept**	**Oct**	**Nov**	**Dec**
0%	0%	0%	0%	0%	0%

Performance Metrics

DC Capacity Factor	**19.5%**

Attachment B

Off-Site Consequence Analysis Modeling Outputs

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Thermal Runway Anaylsis 6.24.2025	2
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Thermal Runaway Emissions - Tesla

TAC Emission Calculations

				Volume of gas (L)				Mass for 30 Cells			REL		AEGL
Pollutant	**Chemical Formula**	**CAS**	**Measured %**	**Cell**	**Molar Mass (g/mol)**	**Density (g/L)**	**Density (kg/L)**	**kg**	**lb**	**lb/hr**	**(µg/m3)**	**AEGL (ppm)**	**(µg/m3)**
Methane	CH4	74-82-8	6.428%	6.00	16.04	1.64	0.002	0.295	0.650	0.458	NA	NA	NA
Acetylene	C2H2	74-86-2	0.264%	0.25	26.04	2.67	0.003	0.020	0.043	0.031	NA	NA	NA
Ethylene	C2H4	74-85-1	3.283%	3.06	28.05	2.87	0.003	0.264	0.581	0.409	NA	NA	NA
Ethane	C2H6	74-84-0	1.100%	1.03	30.07	3.08	0.003	0.095	0.209	0.147	NA	NA	NA
Propene	C3H6	115-07-1	0.379%	0.35	42.08	4.31	0.004	0.046	0.101	0.071	NA	NA	NA
Propane	C3H8	74-98-6	0.125%	0.12	44.10	4.51	0.005	0.016	0.035	0.024	NA	5500	9920
Butane	C4 (Total)	106-97-8	0.190%	0.18	58.12	5.95	0.006	0.032	0.070	0.049	NA	5500	13074
Pentane	C5 (Total)	109-66-0	0.027%	0.03	72.15	7.39	0.007	0.006	0.012	0.009	NA	NA	NA
Hexane	C6 (Total)	110-54-3	0.005%	0.00	86.18	8.82	0.009	0.001	0.003	0.002	NA	2900	10222
Carbon Monoxide	CO	630-08-0	10.881%	10.15	28.01	2.87	0.003	0.873	1.921	1.353	23000	NA	NA
Carbon Dioxide	CO2	124-38-9	27.107%	25.29	44.01	4.51	0.005	3.419	7.521	5.297	NA	NA	NA
Hydrogen	H2	1333-74-0	50.148%	46.79	2.02	0.21	0.000	0.290	0.637	0.449	NA	NA	NA
Benzene	C6H6	71-43-2	0.002%	0.002	78.110	8.00	0.008	0.000	0.001	0.001	27	NA	NA
Toluene	C7H8	108-88-3	0.002%	0.002	92.140	9.43	0.009	0.001	0.001	0.001	5000	NA	NA
Dimethyl Carbonate	C3H6O3	616-38-6	0.055%	0.05	90.08	9.22	0.009	0.014	0.031	0.022	NA	NA	NA
Ethyl Methyl Carbonate	C4H8O3	623-53-0	0.004%	0.00	104.10	10.66	0.011	0.001	0.003	0.002	NA	NA	NA
Check sum			*100.00%*	*93.30*									
			Total Volume of Gas	93.30									

Source: Installation Test Report UL 9540A for Contemporary Amperex Technology Co., Ltd

Number of Cells/Module	112	cells/tray (from UL9450 test data)
Test Duration:	1.42	hours (from UL9450 test data)
	112	cells exhibited thermal runaway of module
	24	modules per unit
	3	trays per module

Density Calculation

p=PM/RT

P	6.6998	atm	98.46 psig
M		g/mol	
R	0.08206	L.atm/K-mol	
T	797.45	K	

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 6/24/2025
** File: C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Port of SD ZE Truck
Stop\PoSD ZE AERMOD\PoSD ZE AERMOD.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru
   MODELOPT DFAULT CONC
   AVERTIME 1
   POLLUTID VARIOUS
   RUNORNOT RUN
   ERRORFIL "PoSD ZE AERMOD.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      489165.800  3614242.920        3.530
** DESCRSRC BESS
** Source Parameters **
   SRCPARAM STCK1              1.0     2.786   797.450 0.0040565197442026  0.414528

** Building Downwash **
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDWID STCK1            0.00     0.00     0.00     0.00     0.00     0.00
```

```
   BUILDWID STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDWID STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDWID STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDWID STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDWID STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDLEN STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDLEN STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDLEN STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDLEN STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDLEN STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDLEN STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   XBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   XBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   XBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   XBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   XBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   XBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "PoSD ZE AERMOD.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\SES_2020_2022_v24142.SFC
   PROFFILE ..\SES_2020_2022_v24142.PFL
   SURFDATA 23188 2020 SAN_DIEGO/LINDBERGH_FIELD
   UAIRDATA 3190 2020
   SITEDATA 1026 2020
```

```
   PROFBASE 34.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "PoSD ZE AERMOD.AD\01H1GALL.PLT" 31
   SUMMFILE "PoSD ZE AERMOD.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 MX W403     100       PFLCNV: Turbulence data is being used w/o ADJ_U* option
SigA Data

 *********************************
 *** SETUP Finishes Successfully ***
 *********************************

↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                                          ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
```

```
 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses RURAL Dispersion Only.
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: VARIOUS

 **Model Calculates  1 Short Term Average(s) of:   1-HR

 **This Run Includes:      1 Source(s);       1 Source Group(s); and    8577
Receptor(s)

                with:      1 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  24142

 **Output Options Selected:
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
```

Missing Hours

 **Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   34.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                  Emission Units = GRAMS/SEC   ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =   4.5 MB of RAM.

 **Input Runstream File: aermod.inp

 **Output Print File: aermod.out

 **Detailed Error/Message File: PoSD ZE AERMOD.err

 **File for Summary of Results: PoSD ZE AERMOD.sum

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                                    *** POINT SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   STACK   STACK   STACK   STACK   BLDG   URBAN CAP/ EMIS RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT TEMP.   EXIT VEL. DIAMETER EXISTS SOURCE HOR   SCALAR
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (DEG.K) (M/SEC) (METERS)   VARY BY
 -

 STCK1   0   0.10000E+01 489165.8 3614242.9   3.5   2.79   797.45   0.00   0.41   NO   NO   NO

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	STCK1 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(489173.5, 3614311.0, 3.7, 3.7, 0.0); (489176.1, 3614288.5, 3.5, 3.5, 0.0);
(489189.1, 3614330.5, 3.6, 3.6, 0.0); (489161.6, 3614352.5, 4.1, 4.1, 0.0);
(489201.0, 3614291.4, 3.4, 3.4, 0.0); (489214.0, 3614333.4, 3.2, 3.2, 0.0);
(489177.2, 3614372.0, 4.1, 4.1, 0.0); (489225.8, 3614294.3, 3.3, 3.3, 0.0);
(489238.8, 3614336.2, 3.1, 3.1, 0.0); (489220.4, 3614369.5, 3.1, 3.1, 0.0);
(489192.8, 3614391.5, 3.6, 3.6, 0.0); (489156.3, 3614402.2, 4.6, 4.6, 0.0);
(489250.6, 3614297.1, 3.6, 3.6, 0.0); (489288.5, 3614342.0, 3.2, 3.2, 0.0);
(489270.0, 3614375.3, 3.2, 3.2, 0.0); (489251.6, 3614408.6, 3.0, 3.0, 0.0);
(489224.1, 3614430.6, 3.7, 3.7, 0.0); (489187.5, 3614441.2, 4.1, 4.1, 0.0);
(489150.9, 3614451.9, 5.0, 5.0, 0.0); (489300.3, 3614302.9, 3.4, 3.4, 0.0);
(489336.8, 3614350.1, 2.4, 2.4, 0.0); (489315.7, 3614388.2, 2.4, 2.4, 0.0);
(489294.7, 3614426.2, 2.4, 2.4, 0.0); (489252.7, 3614470.4, 3.3, 3.3, 0.0);
(489210.9, 3614482.6, 3.8, 3.8, 0.0); (489169.1, 3614494.8, 4.4, 4.4, 0.0);
(489350.0, 3614308.6, 2.7, 2.7, 0.0); (489386.8, 3614355.3, 4.0, 4.0, 0.0);
(489366.3, 3614392.3, 3.1, 6.3, 0.0); (489345.8, 3614429.3, 4.0, 6.3, 0.0);
(489325.3, 3614466.4, 2.6, 2.6, 0.0); (489284.5,

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3614509.3,       2.8,       2.8,       0.0);
     ( 489243.8, 3614521.1,       3.6,       3.6,       0.0);         ( 489203.2,
3614533.0,       3.8,       3.8,       0.0);
     ( 489162.6, 3614544.8,       3.9,       3.9,       0.0);         ( 489399.6,
3614314.4,       3.9,       3.9,       0.0);
     ( 489436.6, 3614360.7,       3.6,       3.6,       0.0);         ( 489416.5,
3614397.0,       3.6,       3.6,       0.0);
     ( 489396.4, 3614433.4,       3.2,       3.2,       0.0);         ( 489376.3,
3614469.7,       3.3,       3.3,       0.0);
     ( 489356.1, 3614506.1,       3.0,       3.0,       0.0);         ( 489316.0,
3614548.2,       2.7,       2.7,       0.0);
     ( 489276.2, 3614559.9,       3.1,       3.1,       0.0);         ( 489236.3,
3614571.5,       3.7,       3.7,       0.0);
     ( 489196.4, 3614583.1,       3.9,       3.9,       0.0);         ( 489156.5,
3614594.7,       3.9,       3.9,       0.0);
     ( 489449.3, 3614320.1,       4.0,       4.0,       0.0);         ( 489535.5,
3614373.0,       5.0,       5.0,       0.0);
     ( 489514.4, 3614411.1,       4.7,      10.3,       0.0);         ( 489493.3,
3614449.2,       4.3,       4.3,       0.0);
     ( 489472.2, 3614487.3,       3.9,       3.9,       0.0);         ( 489451.2,
3614525.3,       3.6,       3.6,       0.0);
     ( 489430.1, 3614563.4,       4.9,       6.2,       0.0);         ( 489409.0,
3614601.5,       3.5,       3.5,       0.0);
     ( 489377.5, 3614626.6,       2.9,       2.9,       0.0);         ( 489335.8,
3614638.8,       3.1,       3.1,       0.0);
     ( 489294.0, 3614651.0,       2.9,       2.9,       0.0);         ( 489252.2,
3614663.2,       3.5,       3.5,       0.0);
     ( 489210.4, 3614675.3,       4.0,       4.0,       0.0);         ( 489168.6,
3614687.5,       4.1,       4.1,       0.0);
     ( 489126.8, 3614699.7,       4.3,       4.3,       0.0);         ( 489548.6,
3614331.6,       5.3,       5.3,       0.0);
     ( 489634.5, 3614385.1,       8.2,       8.2,       0.0);         ( 489623.7,
3614404.7,       8.7,       8.7,       0.0);
     ( 489602.0, 3614443.9,       9.2,      10.2,       0.0);         ( 489591.1,
3614463.5,      10.3,      10.3,       0.0);
     ( 489569.4, 3614502.7,      11.0,      11.0,       0.0);         ( 489547.7,
3614541.9,      11.3,      12.1,       0.0);
     ( 489536.8, 3614561.5,       6.8,      12.7,       0.0);         ( 489515.1,
3614600.7,       4.5,      13.1,       0.0);
     ( 489493.4, 3614639.9,       3.9,      13.1,       0.0);         ( 489482.6,
3614659.5,       3.5,      13.1,       0.0);
     ( 489439.4, 3614704.9,       3.1,       3.1,       0.0);         ( 489396.3,
3614717.5,       2.8,       2.8,       0.0);
     ( 489353.3, 3614730.0,       3.2,       3.2,       0.0);         ( 489310.3,
3614742.5,       3.1,       3.1,       0.0);
     ( 489267.3, 3614755.1,       3.2,       3.2,       0.0);         ( 489224.2,
3614767.6,       3.4,       3.4,       0.0);
     ( 489181.2, 3614780.1,       3.6,       3.6,       0.0);         ( 489138.2,
3614792.7,       4.3,       4.3,       0.0);
     ( 489648.0, 3614343.0,       7.9,       7.9,       0.0);         ( 489734.2,
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3614396.0,   4.3,   4.3,   0.0);
     (489713.1, 3614434.1,   4.3,   4.3,   0.0);   (489692.0,
3614472.1,   4.3,   4.3,   0.0);
     (489670.9, 3614510.2,   4.2,   4.2,   0.0);   (489649.8,
3614548.3,   3.8,   3.8,   0.0);
     (489628.8, 3614586.4,   3.9,   13.1,   0.0);   (489607.7,
3614624.5,   4.7,   13.1,   0.0);
     (489586.6, 3614662.5,   4.7,   13.1,   0.0);   (489565.5,
3614700.6,   3.4,   13.1,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (489544.4, 3614738.7,   3.4,   15.0,   0.0);   (489502.4,
3614782.9,   3.2,   15.0,   0.0);
     (489460.6, 3614795.0,   3.3,   15.0,   0.0);   (489418.8,
3614807.2,   3.0,   3.0,   0.0);
     (489377.0, 3614819.4,   3.2,   3.2,   0.0);   (489335.2,
3614831.6,   3.1,   3.1,   0.0);
     (489293.4, 3614843.8,   3.0,   3.0,   0.0);   (489251.6,
3614855.9,   3.3,   3.3,   0.0);
     (489209.9, 3614868.1,   3.5,   3.5,   0.0);   (489168.1,
3614880.3,   3.9,   3.9,   0.0);
     (489126.3, 3614892.5,   4.7,   4.7,   0.0);   (489747.3,
3614354.5,   4.7,   4.7,   0.0);
     (489833.3, 3614407.9,   5.8,   5.8,   0.0);   (489811.8,
3614446.7,   5.1,   5.1,   0.0);
     (489790.2, 3614485.6,   4.8,   4.8,   0.0);   (489768.7,
3614524.5,   4.4,   4.4,   0.0);
     (489747.2, 3614563.3,   4.3,   4.3,   0.0);   (489725.7,
3614602.2,   4.2,   4.2,   0.0);
     (489704.1, 3614641.1,   4.0,   4.0,   0.0);   (489682.6,
3614680.0,   4.0,   4.0,   0.0);
     (489661.1, 3614718.8,   3.8,   3.8,   0.0);   (489639.5,
3614757.7,   3.7,   15.0,   0.0);
     (489618.0, 3614796.6,   4.7,   15.0,   0.0);   (489596.5,
3614835.5,   11.5,   15.0,   0.0);
     (489564.4, 3614861.1,   13.4,   13.4,   0.0);   (489521.7,
3614873.5,   4.3,   15.0,   0.0);
     (489479.1, 3614886.0,   2.9,   15.0,   0.0);   (489436.4,
3614898.4,   3.2,   3.2,   0.0);
     (489393.8, 3614910.8,   3.3,   3.3,   0.0);   (489351.1,

```
3614923.3,       3.3,       3.3,       0.0);
     ( 489308.4, 3614935.7,       3.1,       3.1,       0.0);         ( 489265.8,
3614948.1,       3.4,       3.4,       0.0);
     ( 489223.1, 3614960.6,       3.7,       3.7,       0.0);         ( 489180.4,
3614973.0,       3.7,       3.7,       0.0);
     ( 489137.8, 3614985.4,       3.8,       3.8,       0.0);         ( 489095.1,
3614997.8,       2.8,       2.8,       0.0);
     ( 489846.7, 3614366.0,       5.8,       5.8,       0.0);         ( 489932.9,
3614418.9,       6.0,       6.0,       0.0);
     ( 489911.8, 3614457.0,       5.8,       5.8,       0.0);         ( 489890.7,
3614495.1,       5.7,       5.7,       0.0);
     ( 489869.6, 3614533.2,       5.9,       5.9,       0.0);         ( 489848.5,
3614571.3,       5.5,       5.5,       0.0);
     ( 489827.4, 3614609.3,       5.6,       5.6,       0.0);         ( 489806.3,
3614647.4,       5.3,       5.3,       0.0);
     ( 489785.2, 3614685.5,       5.0,       5.0,       0.0);         ( 489764.2,
3614723.6,       4.9,       4.9,       0.0);
     ( 489743.1, 3614761.7,       4.7,       4.7,       0.0);         ( 489722.0,
3614799.7,       4.6,       4.6,       0.0);
     ( 489700.9, 3614837.8,       4.3,       4.3,       0.0);         ( 489679.8,
3614875.9,       4.3,      14.0,       0.0);
     ( 489658.7, 3614914.0,       7.4,      14.0,       0.0);         ( 489627.3,
3614939.1,      12.2,      12.9,       0.0);
     ( 489585.5, 3614951.3,      14.0,      14.0,       0.0);         ( 489543.7,
3614963.5,       3.9,      14.8,       0.0);
     ( 489501.9, 3614975.6,       3.3,      14.8,       0.0);         ( 489460.1,
3614987.8,       3.3,       3.3,       0.0);
     ( 489418.3, 3615000.0,       3.3,       3.3,       0.0);         ( 489376.5,
3615012.2,       3.3,       3.3,       0.0);
     ( 489334.7, 3615024.3,       3.3,       3.3,       0.0);         ( 489292.9,
3615036.5,       2.9,       2.9,       0.0);
     ( 489251.1, 3615048.7,       3.8,       3.8,       0.0);         ( 489209.3,
3615060.9,       3.6,       3.6,       0.0);
     ( 489167.6, 3615073.0,       3.1,       3.1,       0.0);         ( 489125.8,
3615085.2,       0.1,       0.1,       0.0);
     ( 489084.0, 3615097.4,       0.1,       0.1,       0.0);         ( 489946.0,
3614377.5,       5.7,       5.7,       0.0);
     ( 490131.2, 3614442.4,       3.1,       3.1,       0.0);         ( 490109.5,
3614481.6,       3.6,       3.6,       0.0);
     ( 490087.8, 3614520.8,       5.4,       7.9,       0.0);         ( 490077.0,
3614540.4,       7.7,       7.7,       0.0);
     ( 490055.3, 3614579.6,       7.9,       7.9,       0.0);         ( 490033.5,
3614618.8,       7.5,       7.5,       0.0);
     ( 490022.7, 3614638.4,       7.4,       7.4,       0.0);         ( 490001.0,
3614677.6,       7.6,       7.6,       0.0);
     ( 489979.3, 3614716.8,       7.5,       7.5,       0.0);         ( 489968.4,
3614736.4,       7.5,       7.5,       0.0);
     ( 489946.7, 3614775.6,       7.5,       7.5,       0.0);         ( 489925.0,
3614814.8,       7.0,       7.0,       0.0);
     ( 489914.1, 3614834.4,       7.1,       7.1,       0.0);         ( 489892.4,
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

     (489579.4, 3615145.7,   5.6,   5.6,   0.0);   (489536.4,
3615158.2,   3.4,   3.4,   0.0);
     (489493.4, 3615170.7,   3.5,   3.5,   0.0);   (489450.4,
3615183.3,   3.3,   3.3,   0.0);
     (489407.3, 3615195.8,   3.3,   3.3,   0.0);   (489364.3,
3615208.3,   3.1,   3.1,   0.0);
     (489321.3, 3615220.9,   3.2,   3.2,   0.0);   (489278.3,
3615233.4,   3.0,   3.0,   0.0);
     (489235.3, 3615245.9,   1.6,   1.6,   0.0);   (489192.2,
3615258.5,   2.0,   2.0,   0.0);
     (489149.2, 3615271.0,   3.6,   3.6,   0.0);   (489106.2,
3615283.5,   3.7,   3.7,   0.0);
     (489063.2, 3615296.1,   3.9,   3.9,   0.0);   (490142.1,
3614422.8,   2.7,   2.7,   0.0);
     (490330.0, 3614465.3,   3.1,   3.1,   0.0);   (490308.4,
3614504.3,   3.0,   3.0,   0.0);
     (490286.8, 3614543.3,   3.1,   3.1,   0.0);   (490265.2,
3614582.3,   3.1,   3.1,   0.0);
     (490243.6, 3614621.3,   3.2,   3.2,   0.0);   (490222.0,
3614660.3,   3.3,   3.3,   0.0);
     (490200.3, 3614699.4,   3.7,   3.7,   0.0);   (490178.8,
3614738.4,   4.7,   4.7,   0.0);
     (490157.1, 3614777.4,   6.6,   6.6,   0.0);   (490135.5,
3614816.4,   9.0,   11.1,   0.0);
     (490113.9, 3614855.4,   11.1,   11.1,   0.0);   (490092.3,
3614894.4,   11.9,   11.9,   0.0);
     (490070.7, 3614933.4,   12.1,   12.1,   0.0);   (490049.1,

3614972.4,   10.9,   10.9,   0.0);
     (490027.5, 3615011.4,   11.1,   11.1,   0.0);   (490005.9,
3615050.4,   10.7,   10.7,   0.0);
     (489984.3, 3615089.4,   10.8,   10.8,   0.0);   (489962.7,
3615128.4,   10.3,   10.3,   0.0);
     (489941.1, 3615167.5,   9.9,   9.9,   0.0);   (489919.5,
3615206.5,   9.3,   9.3,   0.0);
     (489876.5, 3615251.7,   8.8,   8.8,   0.0);   (489833.7,
3615264.2,   8.0,   8.0,   0.0);
     (489790.9, 3615276.7,   6.4,   12.4,   0.0);   (489748.1,
3615289.1,   7.6,   12.4,   0.0);
     (489705.2, 3615301.6,   6.9,   12.4,   0.0);   (489662.4,
3615314.1,   3.2,   12.4,   0.0);
     (489619.6, 3615326.6,   3.5,   3.5,   0.0);   (489576.8,
3615339.0,   3.4,   3.4,   0.0);
     (489534.0, 3615351.5,   3.4,   3.4,   0.0);   (489491.2,
3615364.0,   3.3,   3.3,   0.0);
     (489448.4, 3615376.5,   3.2,   3.2,   0.0);   (489405.6,
3615388.9,   1.7,   1.7,   0.0);
     (489362.8, 3615401.4,   1.4,   1.4,   0.0);   (489320.0,
3615413.9,   3.0,   3.0,   0.0);
     (489277.1, 3615426.3,   3.3,   3.3,   0.0);   (489234.3,
3615438.8,   3.4,   3.4,   0.0);
     (489191.5, 3615451.3,   2.6,   2.6,   0.0);   (489148.7,
3615463.8,   3.0,   3.0,   0.0);
     (489105.9, 3615476.2,   3.4,   3.4,   0.0);   (489063.1,
3615488.7,   4.2,   4.2,   0.0);
     (490343.4, 3614423.4,   3.3,   3.3,   0.0);   (490528.7,
3614488.2,   8.9,   8.9,   0.0);
     (490507.2, 3614527.1,   9.3,   9.3,   0.0);   (490485.6,
3614565.9,   9.5,   9.5,   0.0);
     (490464.1, 3614604.8,   9.6,   9.6,   0.0);   (490442.6,
3614643.7,   9.2,   9.2,   0.0);
     (490421.0, 3614682.6,   6.9,   6.9,   0.0);   (490399.5,
3614721.4,   3.2,   11.8,   0.0);
     (490378.0, 3614760.3,   3.8,   3.8,   0.0);   (490356.5,
3614799.2,   4.0,   4.0,   0.0);
     (490334.9, 3614838.0,   4.1,   4.1,   0.0);   (490313.4,
3614876.9,   4.2,   4.2,   0.0);
     (490291.9, 3614915.8,   5.3,   9.3,   0.0);   (490270.3,
3614954.7,   9.6,   9.6,   0.0);
     (490248.8, 3614993.5,   9.4,   9.4,   0.0);   (490227.3,
3615032.4,   7.7,   11.3,   0.0);
     (490205.8, 3615071.3,   8.2,   10.0,   0.0);   (490184.2,
3615110.2,   7.3,   11.5,   0.0);
     (490162.7, 3615149.0,   8.7,   8.7,   0.0);   (490141.2,
3615187.9,   10.8,   10.8,   0.0);
     (490119.6, 3615226.8,   11.2,   11.2,   0.0);   (490098.1,
3615265.7,   11.5,   11.5,   0.0);
     (490076.6, 3615304.5,   12.0,   12.0,   0.0);   (490055.1,

3615343.4,   12.6,   12.6,   0.0);
     (490033.5, 3615382.3,   12.8,   12.8,   0.0);   (490001.4,
3615407.9,   12.6,   12.6,   0.0);
     (489958.8, 3615420.4,   12.2,   12.2,   0.0);   (489916.1,
3615432.8,   10.5,   10.5,   0.0);
     (489873.5, 3615445.2,   9.2,   9.2,   0.0);   (489830.8,
3615457.6,   8.9,   8.9,   0.0);
     (489788.1, 3615470.1,   8.8,   8.8,   0.0);   (489745.5,
3615482.5,   6.9,   6.9,   0.0);
     (489702.8, 3615494.9,   6.6,   6.6,   0.0);   (489660.1,
3615507.4,   5.0,   5.0,   0.0);
     (489617.5, 3615519.8,   4.6,   4.6,   0.0);   (489574.8,
3615532.2,   3.1,   3.1,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (489532.1, 3615544.7,   4.1,   4.1,   0.0);   (489489.5,
3615557.1,   4.3,   4.3,   0.0);
     (489446.8, 3615569.5,   3.9,   3.9,   0.0);   (489404.2,
3615582.0,   3.7,   3.7,   0.0);
     (489361.5, 3615594.4,   3.6,   3.6,   0.0);   (489318.8,
3615606.8,   3.1,   3.1,   0.0);
     (489276.2, 3615619.2,   2.8,   2.8,   0.0);   (489233.5,
3615631.7,   3.4,   3.4,   0.0);
     (489190.8, 3615644.1,   3.6,   3.6,   0.0);   (489148.2,
3615656.5,   3.8,   3.8,   0.0);
     (489105.5, 3615669.0,   3.7,   3.7,   0.0);   (489062.9,
3615681.4,   3.3,   3.3,   0.0);
     (489020.2, 3615693.8,   3.8,   3.8,   0.0);   (490542.0,
3614446.3,   8.6,   8.6,   0.0);
     (490727.4, 3614511.1,   10.8,   10.8,   0.0);   (490705.9,
3614549.9,   10.6,   10.6,   0.0);
     (490684.5, 3614588.6,   11.2,   11.2,   0.0);   (490663.0,
3614627.4,   11.4,   11.4,   0.0);
     (490641.5, 3614666.2,   12.0,   12.0,   0.0);   (490620.0,
3614704.9,   12.3,   12.3,   0.0);
     (490598.6, 3614743.7,   12.2,   12.2,   0.0);   (490577.1,
3614782.5,   10.9,   10.9,   0.0);
     (490555.6, 3614821.3,   7.8,   11.6,   0.0);   (490534.1,
3614860.0,   5.5,   5.5,   0.0);
     (490512.7, 3614898.8,   4.5,   4.5,   0.0);   (490491.2,

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3614937.6,       5.2,       5.2,       0.0);
     ( 490469.7, 3614976.4,       4.6,       4.6,       0.0);         ( 490448.2,
3615015.1,       4.7,      10.8,       0.0);
     ( 490426.8, 3615053.9,       9.0,      10.8,       0.0);         ( 490405.3,
3615092.7,      10.6,      14.8,       0.0);
     ( 490383.8, 3615131.4,      13.0,      13.0,       0.0);         ( 490362.4,
3615170.2,      13.7,      13.7,       0.0);
     ( 490340.9, 3615209.0,      13.4,      13.4,       0.0);         ( 490319.4,
3615247.8,      11.9,      11.9,       0.0);
     ( 490297.9, 3615286.5,      12.3,      12.3,       0.0);         ( 490276.5,
3615325.3,      12.9,      12.9,       0.0);
     ( 490255.0, 3615364.1,      14.3,      14.3,       0.0);         ( 490233.5,
3615402.8,      14.8,      14.8,       0.0);
     ( 490212.0, 3615441.6,      14.6,      14.6,       0.0);         ( 490190.6,
3615480.4,      14.5,      14.5,       0.0);
     ( 490169.1, 3615519.2,      14.0,      14.0,       0.0);         ( 490126.4,
3615564.1,      14.0,      14.0,       0.0);
     ( 490083.8, 3615576.5,      14.1,      14.1,       0.0);         ( 490041.2,
3615588.9,      14.3,      14.3,       0.0);
     ( 489998.7, 3615601.3,      14.8,      14.8,       0.0);         ( 489956.1,
3615613.7,      13.7,      13.7,       0.0);
     ( 489913.6, 3615626.1,      11.7,      11.7,       0.0);         ( 489871.0,
3615638.5,      10.4,      10.4,       0.0);
     ( 489828.5, 3615650.9,       9.1,       9.1,       0.0);         ( 489785.9,
3615663.3,       7.7,       7.7,       0.0);
     ( 489743.4, 3615675.7,       6.1,       6.1,       0.0);         ( 489700.8,
3615688.1,       5.3,       5.3,       0.0);
     ( 489658.3, 3615700.5,       4.3,       4.3,       0.0);         ( 489615.7,
3615712.9,       4.2,       4.2,       0.0);
     ( 489573.2, 3615725.3,       4.1,       4.1,       0.0);         ( 489530.6,
3615737.7,       3.6,       3.6,       0.0);
     ( 489488.1, 3615750.1,       3.0,       3.0,       0.0);         ( 489445.5,
3615762.5,       3.8,       3.8,       0.0);
     ( 489403.0, 3615774.9,       3.7,       3.7,       0.0);         ( 489360.4,
3615787.3,       3.4,       3.4,       0.0);
     ( 489317.9, 3615799.7,       3.5,       3.5,       0.0);         ( 489275.3,
3615812.1,       4.1,       4.1,       0.0);
     ( 489232.8, 3615824.5,       3.8,       3.8,       0.0);         ( 489190.2,
3615836.9,       3.8,       3.8,       0.0);
     ( 489147.7, 3615849.3,       4.0,       4.0,       0.0);         ( 489105.1,
3615861.7,       3.9,       3.9,       0.0);
     ( 489062.6, 3615874.1,       3.6,       3.6,       0.0);         ( 489020.0,
3615886.5,       3.9,       3.9,       0.0);
     ( 490740.7, 3614469.3,      11.2,      11.2,       0.0);         ( 490925.9,
3614534.3,      19.1,      19.1,       0.0);
     ( 490915.0, 3614554.0,      18.5,      18.5,       0.0);         ( 490904.1,
3614573.6,      17.6,      17.6,       0.0);
     ( 490882.4, 3614613.0,      15.6,      15.6,       0.0);         ( 490871.5,
3614632.6,      15.4,      15.4,       0.0);
     ( 490849.7, 3614672.0,      14.1,      14.1,       0.0);         ( 490838.8,
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3614691.6,   13.5,   13.5,   0.0);
     (490817.0, 3614731.0,   13.2,   13.2,   0.0);   (490806.1,
3614750.6,   13.2,   13.2,   0.0);
     (490784.3, 3614790.0,   13.2,   13.2,   0.0);   (490762.6,
3614829.3,   13.7,   13.7,   0.0);
     (490751.7, 3614848.9,   13.8,   13.8,   0.0);   (490729.9,
3614888.3,   10.8,   12.4,   0.0);
     (490719.0, 3614907.9,   9.4,   9.4,   0.0);   (490697.2,
3614947.3,   11.2,   11.2,   0.0);
     (490686.3, 3614966.9,   9.8,   9.8,   0.0);   (490664.5,
3615006.3,   6.8,   6.8,   0.0);
     (490653.7, 3615025.9,   6.7,   6.7,   0.0);   (490631.9,
3615065.3,   6.1,   6.1,   0.0);
     (490621.0, 3615084.9,   6.4,   6.4,   0.0);   (490599.2,
3615124.2,   7.0,   7.0,   0.0);

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                             (METERS)

     (490588.3, 3615143.9,   7.3,   7.3,   0.0);   (490566.5,
3615183.2,   10.1,   11.4,   0.0);
     (490555.6, 3615202.9,   11.8,   11.8,   0.0);   (490533.9,
3615242.2,   12.4,   12.4,   0.0);
     (490523.0, 3615261.9,   12.7,   12.7,   0.0);   (490501.2,
3615301.2,   16.2,   16.2,   0.0);
     (490490.3, 3615320.9,   16.8,   16.8,   0.0);   (490468.5,
3615360.2,   16.8,   16.8,   0.0);
     (490457.6, 3615379.9,   16.7,   16.7,   0.0);   (490435.8,
3615419.2,   16.9,   16.9,   0.0);
     (490425.0, 3615438.9,   17.0,   17.0,   0.0);   (490403.2,
3615478.2,   17.1,   17.1,   0.0);
     (490381.4, 3615517.5,   17.1,   17.1,   0.0);   (490370.5,
3615537.2,   17.2,   17.2,   0.0);
     (490348.7, 3615576.5,   17.1,   17.1,   0.0);   (490337.8,
3615596.2,   17.0,   17.0,   0.0);
     (490316.1, 3615635.5,   16.8,   16.8,   0.0);   (490305.2,
3615655.2,   16.7,   16.7,   0.0);
     (490283.4, 3615694.5,   16.9,   16.9,   0.0);   (490250.9,
3615720.5,   16.9,   16.9,   0.0);
     (490207.8, 3615733.0,   15.2,   15.2,   0.0);   (490164.6,
3615745.6,   13.9,   13.9,   0.0);
     (490143.0, 3615751.9,   12.9,   12.9,   0.0);   (490099.8,

3615764.5,   13.4,   13.4,   0.0);
     (490056.7, 3615777.1,   14.4,   14.4,   0.0);   (490013.5,
3615789.6,   15.0,   15.0,   0.0);
     (489970.4, 3615802.2,   15.0,   15.0,   0.0);   (489927.2,
3615814.8,   14.3,   14.3,   0.0);
     (489884.0, 3615827.4,   13.5,   13.5,   0.0);   (489862.5,
3615833.6,   11.2,   13.8,   0.0);
     (489819.3, 3615846.2,   9.2,   9.2,   0.0);   (489776.1,
3615858.8,   8.4,   8.4,   0.0);
     (489733.0, 3615871.4,   5.9,   5.9,   0.0);   (489689.8,
3615884.0,   5.2,   8.5,   0.0);
     (489646.6, 3615896.5,   9.5,   9.5,   0.0);   (489603.5,
3615909.1,   7.1,   10.1,   0.0);
     (489581.9, 3615915.4,   4.7,   10.8,   0.0);   (489538.7,
3615928.0,   3.0,   11.3,   0.0);
     (489495.6, 3615940.5,   3.0,   3.0,   0.0);   (489452.4,
3615953.1,   2.7,   2.7,   0.0);
     (489430.8, 3615959.4,   3.1,   3.1,   0.0);   (489387.7,
3615972.0,   4.3,   4.3,   0.0);
     (489344.5, 3615984.6,   4.8,   4.8,   0.0);   (489301.3,
3615997.1,   5.1,   5.1,   0.0);
     (489258.2, 3616009.7,   5.0,   5.0,   0.0);   (489215.0,
3616022.3,   4.7,   4.7,   0.0);
     (489171.9, 3616034.9,   4.3,   4.3,   0.0);   (489150.3,
3616041.2,   4.5,   4.5,   0.0);
     (489107.1, 3616053.7,   4.5,   4.5,   0.0);   (489064.0,
3616066.3,   4.8,   4.8,   0.0);
     (489020.8, 3616078.9,   4.5,   4.5,   0.0);   (488977.6,
3616091.5,   4.6,   4.6,   0.0);
     (490939.4, 3614492.2,   19.3,   19.3,   0.0);   (491323.3,
3614580.1,   31.2,   31.2,   0.0);
     (491312.5, 3614599.6,   31.2,   31.2,   0.0);   (491290.9,
3614638.8,   30.6,   30.6,   0.0);
     (491269.2, 3614677.8,   30.8,   30.8,   0.0);   (491258.4,
3614697.4,   30.8,   30.8,   0.0);
     (491236.7, 3614736.5,   30.6,   30.6,   0.0);   (491215.1,
3614775.6,   29.9,   29.9,   0.0);
     (491204.3, 3614795.1,   29.7,   29.7,   0.0);   (491182.6,
3614834.2,   29.4,   29.4,   0.0);
     (491161.0, 3614873.3,   28.5,   28.5,   0.0);   (491139.3,
3614912.4,   27.6,   27.6,   0.0);
     (491117.6, 3614951.5,   26.3,   26.3,   0.0);   (491096.0,
3614990.6,   24.5,   24.5,   0.0);
     (491085.2, 3615010.2,   23.7,   23.7,   0.0);   (491063.5,
3615049.2,   22.2,   22.2,   0.0);
     (491041.9, 3615088.3,   19.9,   19.9,   0.0);   (491031.0,
3615107.9,   18.9,   21.9,   0.0);
     (491009.4, 3615147.0,   17.6,   23.0,   0.0);   (490987.7,
3615186.1,   20.3,   20.3,   0.0);
     (490976.9, 3615205.6,   20.2,   20.2,   0.0);   (490955.3,

3615244.7,   12.7,   27.3,   0.0);
     (490933.6, 3615283.8,   10.9,   28.4,   0.0);   (490912.0,
3615322.9,   11.4,   11.4,   0.0);
     (490890.3, 3615362.0,   11.2,   11.2,   0.0);   (490868.7,
3615401.1,   10.7,   10.7,   0.0);
     (490857.8, 3615420.7,   10.9,   10.9,   0.0);   (490836.2,
3615459.8,   11.3,   19.1,   0.0);
     (490814.5, 3615498.8,   15.9,   18.8,   0.0);   (490803.7,
3615518.4,   18.2,   18.2,   0.0);
     (490782.0, 3615557.5,   18.7,   18.7,   0.0);   (490760.4,
3615596.6,   20.6,   20.6,   0.0);
     (490749.6, 3615616.1,   21.1,   21.1,   0.0);   (490727.9,
3615655.2,   21.3,   21.3,   0.0);
     (490706.3, 3615694.3,   21.5,   21.5,   0.0);   (490695.4,
3615713.9,   21.5,   21.5,   0.0);
     (490673.8, 3615753.0,   21.9,   21.9,   0.0);   (490652.1,
3615792.1,   21.8,   21.8,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (490630.5, 3615831.2,   21.8,   21.8,   0.0);   (490608.8,
3615870.3,   21.5,   21.5,   0.0);
     (490587.2, 3615909.3,   21.6,   21.6,   0.0);   (490576.4,
3615928.9,   21.8,   21.8,   0.0);
     (490554.7, 3615968.0,   22.1,   22.1,   0.0);   (490533.1,
3616007.1,   22.8,   22.8,   0.0);
     (490500.8, 3616032.9,   23.2,   23.2,   0.0);   (490457.9,
3616045.4,   22.9,   22.9,   0.0);
     (490415.0, 3616057.9,   22.7,   22.7,   0.0);   (490372.1,
3616070.4,   22.5,   22.5,   0.0);
     (490329.1, 3616082.9,   22.5,   22.5,   0.0);   (490286.2,
3616095.4,   22.7,   22.7,   0.0);
     (490243.3, 3616107.9,   22.7,   22.7,   0.0);   (490200.4,
3616120.4,   21.7,   21.7,   0.0);
     (490157.5, 3616132.9,   20.3,   20.3,   0.0);   (490114.6,
3616145.4,   18.5,   18.5,   0.0);
     (490071.7, 3616157.9,   17.1,   17.1,   0.0);   (490028.8,
3616170.4,   16.4,   16.4,   0.0);
     (489985.9, 3616182.9,   16.1,   16.1,   0.0);   (489943.0,
3616195.4,   15.4,   15.4,   0.0);
     (489900.1, 3616207.9,   15.2,   15.2,   0.0);   (489857.2,

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3616220.4,      15.5,      15.5,       0.0);
     ( 489814.3, 3616232.9,      15.2,      15.2,       0.0);         ( 489771.4,
3616245.4,      13.6,      13.6,       0.0);
     ( 489728.5, 3616257.9,      10.5,      10.5,       0.0);         ( 489685.6,
3616270.4,       5.5,      11.7,       0.0);
     ( 489642.6, 3616282.9,       6.4,       8.4,       0.0);         ( 489599.7,
3616295.4,       6.0,      12.4,       0.0);
     ( 489556.8, 3616307.9,       9.6,      11.8,       0.0);         ( 489513.9,
3616320.4,      12.4,      12.4,       0.0);
     ( 489471.0, 3616332.9,      10.6,      10.6,       0.0);         ( 489428.1,
3616345.4,       6.4,      11.3,       0.0);
     ( 489385.2, 3616357.9,       6.0,       6.0,       0.0);         ( 489342.3,
3616370.4,       6.9,       6.9,       0.0);
     ( 489299.4, 3616382.9,       6.8,       6.8,       0.0);         ( 489256.5,
3616395.4,       7.1,       7.1,       0.0);
     ( 489213.6, 3616407.9,       7.2,       7.2,       0.0);         ( 489170.7,
3616420.4,       6.9,       6.9,       0.0);
     ( 489127.8, 3616432.9,       6.5,       6.5,       0.0);         ( 489084.9,
3616445.4,       6.6,       6.6,       0.0);
     ( 489042.0, 3616457.9,       6.6,       6.6,       0.0);         ( 488999.1,
3616470.4,       6.5,       6.5,       0.0);
     ( 488956.1, 3616482.9,       6.1,       6.1,       0.0);         ( 491336.8,
3614538.1,      30.7,      30.7,       0.0);
     ( 491720.6, 3614626.1,      30.4,      30.4,       0.0);         ( 491698.8,
3614665.5,      30.0,      30.0,       0.0);
     ( 491687.9, 3614685.2,      29.9,      29.9,       0.0);         ( 491677.0,
3614704.9,      29.7,      29.7,       0.0);
     ( 491655.2, 3614744.3,      29.5,      29.5,       0.0);         ( 491644.3,
3614764.0,      29.4,      29.4,       0.0);
     ( 491633.4, 3614783.7,      29.2,      29.2,       0.0);         ( 491611.6,
3614823.0,      29.6,      29.6,       0.0);
     ( 491600.7, 3614842.7,      29.9,      29.9,       0.0);         ( 491589.8,
3614862.4,      29.2,      29.2,       0.0);
     ( 491568.0, 3614901.8,      26.8,      26.8,       0.0);         ( 491557.1,
3614921.5,      25.0,      25.0,       0.0);
     ( 491546.1, 3614941.2,      23.5,      23.5,       0.0);         ( 491524.3,
3614980.6,      21.5,      21.5,       0.0);
     ( 491513.4, 3615000.2,      21.6,      21.6,       0.0);         ( 491502.5,
3615019.9,      23.1,      23.1,       0.0);
     ( 491480.7, 3615059.3,      20.8,      33.6,       0.0);         ( 491469.8,
3615079.0,      20.2,      33.6,       0.0);
     ( 491458.9, 3615098.7,      19.7,      33.7,       0.0);         ( 491448.0,
3615118.4,      19.2,      33.7,       0.0);
     ( 491426.2, 3615157.8,      17.8,      33.7,       0.0);         ( 491415.3,
3615177.4,      17.1,      33.7,       0.0);
     ( 491404.4, 3615197.1,      16.6,      33.6,       0.0);         ( 491382.6,
3615236.5,      16.5,      32.9,       0.0);
     ( 491371.7, 3615256.2,      16.4,      32.9,       0.0);         ( 491360.8,
3615275.9,      16.0,      32.4,       0.0);
     ( 491339.0, 3615315.3,      14.9,      32.4,       0.0);         ( 491328.1,
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3615335.0,   14.4,   32.4,   0.0);
     (491317.2, 3615354.6,   14.2,   32.4,   0.0);   (491295.4,
3615394.0,   14.0,   32.4,   0.0);
     (491284.5, 3615413.7,   13.8,   32.2,   0.0);   (491273.5,
3615433.4,   13.7,   31.6,   0.0);
     (491251.7, 3615472.8,   14.1,   14.1,   0.0);   (491240.8,
3615492.5,   14.4,   14.4,   0.0);
     (491229.9, 3615512.2,   14.1,   14.1,   0.0);   (491208.1,
3615551.5,   13.9,   28.4,   0.0);
     (491197.2, 3615571.2,   13.9,   29.8,   0.0);   (491186.3,
3615590.9,   14.1,   29.8,   0.0);
     (491164.5, 3615630.3,   15.2,   29.8,   0.0);   (491153.6,
3615650.0,   17.2,   29.8,   0.0);
     (491142.7, 3615669.7,   19.4,   29.8,   0.0);   (491120.9,
3615709.0,   23.1,   29.8,   0.0);
     (491110.0, 3615728.7,   24.2,   30.3,   0.0);   (491099.1,
3615748.4,   25.2,   30.3,   0.0);
     (491077.3, 3615787.8,   27.4,   27.4,   0.0);   (491066.4,
3615807.5,   28.0,   28.0,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (491055.5, 3615827.2,   28.4,   28.4,   0.0);   (491044.6,
3615846.9,   28.8,   28.8,   0.0);
     (491022.8, 3615886.2,   28.9,   28.9,   0.0);   (491011.8,
3615905.9,   28.5,   28.5,   0.0);
     (491001.0, 3615925.6,   28.2,   28.2,   0.0);   (490979.1,
3615965.0,   27.5,   27.5,   0.0);
     (490968.2, 3615984.7,   27.0,   27.0,   0.0);   (490957.3,
3616004.4,   26.7,   26.7,   0.0);
     (490935.5, 3616043.8,   26.4,   26.4,   0.0);   (490924.6,
3616063.5,   26.5,   26.5,   0.0);
     (490913.7, 3616083.1,   26.4,   26.4,   0.0);   (490891.9,
3616122.5,   26.4,   26.4,   0.0);
     (490881.0, 3616142.2,   26.1,   26.1,   0.0);   (490870.1,
3616161.9,   25.9,   25.9,   0.0);
     (490848.3, 3616201.3,   25.1,   25.1,   0.0);   (490837.4,
3616221.0,   24.7,   24.7,   0.0);
     (490826.5, 3616240.7,   24.3,   24.3,   0.0);   (490804.7,
3616280.0,   23.5,   23.5,   0.0);
     (490793.8, 3616299.7,   22.8,   22.8,   0.0);   (490782.9,

```
3616319.4,      22.6,      22.6,       0.0);
     ( 490750.4, 3616345.4,      20.1,      20.1,       0.0);         ( 490707.1,
3616358.0,      19.8,      19.8,       0.0);
     ( 490663.9, 3616370.6,      20.8,      20.8,       0.0);         ( 490642.3,
3616376.9,      19.2,      19.2,       0.0);
     ( 490599.1, 3616389.5,      15.9,      15.9,       0.0);         ( 490555.9,
3616402.1,      14.3,      14.3,       0.0);
     ( 490512.7, 3616414.7,      13.1,      13.1,       0.0);         ( 490469.5,
3616427.2,      11.4,      11.4,       0.0);
     ( 490426.2, 3616439.8,      10.6,      10.6,       0.0);         ( 490404.6,
3616446.1,      10.5,      10.5,       0.0);
     ( 490383.0, 3616452.4,      11.4,      11.4,       0.0);         ( 490339.8,
3616465.0,      11.1,      11.1,       0.0);
     ( 490318.2, 3616471.3,      10.4,      10.4,       0.0);         ( 490275.0,
3616483.9,       9.4,       9.4,       0.0);
     ( 490231.8, 3616496.5,       9.4,       9.4,       0.0);         ( 490188.5,
3616509.1,       9.0,       9.0,       0.0);
     ( 490166.9, 3616515.4,       8.9,       8.9,       0.0);         ( 490145.3,
3616521.7,       9.0,       9.0,       0.0);
     ( 490102.1, 3616534.3,       9.8,       9.8,       0.0);         ( 490058.9,
3616546.9,      11.8,      11.8,       0.0);
     ( 490037.3, 3616553.2,      13.1,      13.1,       0.0);         ( 489994.1,
3616565.8,      16.2,      16.2,       0.0);
     ( 489950.8, 3616578.3,      17.4,      17.4,       0.0);         ( 489929.2,
3616584.6,      17.6,      17.6,       0.0);
     ( 489907.6, 3616590.9,      16.5,      16.5,       0.0);         ( 489864.4,
3616603.5,      15.3,      15.3,       0.0);
     ( 489821.2, 3616616.1,      16.8,      16.8,       0.0);         ( 489778.0,
3616628.7,      17.2,      17.2,       0.0);
     ( 489734.8, 3616641.3,      16.4,      16.4,       0.0);         ( 489691.5,
3616653.9,      15.7,      15.7,       0.0);
     ( 489669.9, 3616660.2,      15.5,      15.5,       0.0);         ( 489626.7,
3616672.8,      14.6,      14.6,       0.0);
     ( 489583.5, 3616685.4,      13.7,      13.7,       0.0);         ( 489540.3,
3616698.0,      13.1,      13.1,       0.0);
     ( 489497.1, 3616710.6,      12.2,      12.2,       0.0);         ( 489453.9,
3616723.2,      10.8,      10.8,       0.0);
     ( 489410.6, 3616735.8,       9.5,       9.5,       0.0);         ( 489367.4,
3616748.3,       8.2,       8.2,       0.0);
     ( 489345.8, 3616754.6,       7.7,       7.7,       0.0);         ( 489302.6,
3616767.2,       7.4,      15.3,       0.0);
     ( 489259.4, 3616779.8,       6.6,      15.0,       0.0);         ( 489216.2,
3616792.4,       5.6,      15.0,       0.0);
     ( 489173.0, 3616805.0,       9.6,      12.8,       0.0);         ( 489129.7,
3616817.6,      12.3,      12.3,       0.0);
     ( 489108.1, 3616823.9,      12.2,      12.2,       0.0);         ( 489086.5,
3616830.2,      11.9,      11.9,       0.0);
     ( 489043.3, 3616842.8,       9.2,      11.5,       0.0);         ( 489021.7,
3616849.1,       7.5,      11.5,       0.0);
     ( 489000.1, 3616855.4,       6.4,      11.5,       0.0);         ( 488978.5,
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3616861.7, 6.1, 11.2, 0.0);
(488935.3, 3616874.3, 4.6, 10.5, 0.0); (488892.0, 3616886.9, 5.7, 5.7, 0.0);
(491731.5, 3614606.5, 30.5, 30.5, 0.0); (491734.1, 3614584.0, 30.5, 30.5, 0.0);
(492118.0, 3614672.0, 19.7, 19.7, 0.0); (492096.3, 3614711.2, 19.8, 19.8, 0.0);
(492074.6, 3614750.4, 21.8, 28.9, 0.0); (492063.8, 3614770.0, 22.3, 28.9, 0.0);
(492042.0, 3614809.2, 21.9, 28.9, 0.0); (492020.3, 3614848.4, 21.9, 34.0, 0.0);
(492009.5, 3614868.0, 21.9, 34.0, 0.0); (491987.8, 3614907.2, 22.7, 34.0, 0.0);
(491966.1, 3614946.4, 30.1, 30.1, 0.0); (491955.2, 3614966.0, 31.2, 31.2, 0.0);
(491933.5, 3615005.2, 32.2, 34.5, 0.0); (491911.8, 3615044.4, 34.5, 34.5, 0.0);
(491900.9, 3615064.0, 34.5, 34.5, 0.0); (491879.2, 3615103.2, 33.5, 33.5, 0.0);
(491857.5, 3615142.4, 31.4, 31.4, 0.0); (491846.7, 3615162.0, 29.5, 29.5, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(491825.0, 3615201.2, 24.4, 32.9, 0.0); (491803.2, 3615240.4, 22.6, 31.7, 0.0);
(491792.4, 3615260.0, 22.0, 28.8, 0.0); (491770.7, 3615299.2, 19.6, 31.6, 0.0);
(491749.0, 3615338.4, 17.9, 31.7, 0.0); (491738.1, 3615358.0, 17.6, 31.7, 0.0);
(491716.4, 3615397.2, 17.3, 31.6, 0.0); (491694.7, 3615436.4, 16.9, 31.6, 0.0);
(491683.8, 3615456.0, 16.8, 31.6, 0.0); (491662.1, 3615495.2, 17.4, 17.4, 0.0);
(491640.4, 3615534.4, 17.8, 17.8, 0.0); (491629.6, 3615554.0, 18.6, 31.0, 0.0);
(491607.8, 3615593.2, 20.7, 31.4, 0.0); (491586.1, 3615632.4, 22.7, 31.4, 0.0);
(491575.3, 3615652.0, 22.5, 31.5, 0.0); (491553.6, 3615691.2, 25.4, 31.4, 0.0);
(491531.9, 3615730.4, 19.8, 31.7, 0.0); (491521.0,

3615750.0,   18.2,   31.7,   0.0);
     (491499.3, 3615789.2,   17.8,   30.9,   0.0);   (491477.6,
3615828.4,   17.1,   27.4,   0.0);
     (491466.7, 3615848.0,   16.9,   27.4,   0.0);   (491445.0,
3615887.2,   23.0,   27.4,   0.0);
     (491423.3, 3615926.4,   27.0,   27.0,   0.0);   (491412.5,
3615946.0,   27.7,   27.7,   0.0);
     (491390.8, 3615985.2,   24.3,   27.9,   0.0);   (491369.0,
3616024.4,   27.5,   27.5,   0.0);
     (491358.2, 3616044.0,   27.6,   27.6,   0.0);   (491336.5,
3616083.2,   25.7,   25.7,   0.0);
     (491314.8, 3616122.4,   27.8,   27.8,   0.0);   (491303.9,
3616142.0,   27.1,   27.1,   0.0);
     (491282.2, 3616181.2,   26.9,   26.9,   0.0);   (491260.5,
3616220.4,   26.9,   26.9,   0.0);
     (491249.6, 3616240.0,   27.2,   27.2,   0.0);   (491227.9,
3616279.2,   28.4,   28.4,   0.0);
     (491206.2, 3616318.4,   26.5,   26.5,   0.0);   (491195.4,
3616338.0,   25.6,   25.6,   0.0);
     (491173.7, 3616377.2,   23.2,   23.2,   0.0);   (491152.0,
3616416.4,   21.2,   21.2,   0.0);
     (491141.1, 3616436.0,   21.0,   21.0,   0.0);   (491119.4,
3616475.2,   20.2,   21.9,   0.0);
     (491097.7, 3616514.4,   16.9,   16.9,   0.0);   (491086.8,
3616534.0,   16.8,   16.8,   0.0);
     (491065.1, 3616573.2,   16.9,   16.9,   0.0);   (491043.4,
3616612.4,   17.8,   20.4,   0.0);
     (491032.5, 3616632.0,   17.7,   20.4,   0.0);   (491000.2,
3616657.8,   16.9,   16.9,   0.0);
     (490957.2, 3616670.4,   16.9,   16.9,   0.0);   (490914.1,
3616682.9,   17.6,   17.6,   0.0);
     (490871.1, 3616695.4,   18.8,   18.8,   0.0);   (490828.1,
3616708.0,   19.3,   19.3,   0.0);
     (490785.1, 3616720.5,   21.1,   21.1,   0.0);   (490742.1,
3616733.0,   18.9,   18.9,   0.0);
     (490699.0, 3616745.6,   16.1,   16.1,   0.0);   (490656.0,
3616758.1,   15.6,   15.6,   0.0);
     (490613.0, 3616770.6,   17.8,   26.2,   0.0);   (490570.0,
3616783.2,   20.1,   20.1,   0.0);
     (490527.0, 3616795.7,   21.6,   21.6,   0.0);   (490483.9,
3616808.3,   21.0,   21.0,   0.0);
     (490440.9, 3616820.8,   20.1,   23.7,   0.0);   (490397.9,
3616833.3,   20.8,   20.8,   0.0);
     (490354.9, 3616845.9,   22.3,   22.3,   0.0);   (490311.8,
3616858.4,   22.0,   22.0,   0.0);
     (490268.8, 3616870.9,   23.2,   23.2,   0.0);   (490225.8,
3616883.5,   25.2,   25.2,   0.0);
     (490182.8, 3616896.0,   25.9,   25.9,   0.0);   (490139.8,
3616908.5,   25.5,   25.5,   0.0);
     (490096.7, 3616921.1,   24.9,   24.9,   0.0);   (490053.7,

3616933.6,   24.4,   24.4,   0.0);
     (490010.7, 3616946.1,   23.6,   23.6,   0.0);   (489967.7,
3616958.7,   23.3,   23.3,   0.0);
     (489924.7, 3616971.2,   23.1,   23.1,   0.0);   (489881.6,
3616983.8,   23.0,   23.0,   0.0);
     (489838.6, 3616996.3,   22.4,   22.4,   0.0);   (489795.6,
3617008.8,   20.1,   21.4,   0.0);
     (489752.6, 3617021.3,   17.4,   21.0,   0.0);   (489709.5,
3617033.9,   10.0,   22.1,   0.0);
     (489666.5, 3617046.4,   7.3,   21.0,   0.0);   (489623.5,
3617059.0,   6.8,   21.0,   0.0);
     (489580.5, 3617071.5,   6.5,   20.4,   0.0);   (489537.5,
3617084.0,   6.2,   6.2,   0.0);
     (489494.5, 3617096.6,   5.9,   5.9,   0.0);   (489451.4,
3617109.1,   5.8,   5.8,   0.0);
     (489408.4, 3617121.6,   3.9,   10.2,   0.0);   (489365.4,
3617134.2,   4.8,   10.2,   0.0);
     (489322.4, 3617146.7,   7.0,   9.5,   0.0);   (489279.3,
3617159.2,   9.2,   9.2,   0.0);
     (489236.3, 3617171.8,   9.0,   9.0,   0.0);   (489193.3,
3617184.3,   7.9,   7.9,   0.0);
     (489150.3, 3617196.8,   6.7,   10.2,   0.0);   (489107.3,
3617209.4,   10.2,   10.2,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (489064.2, 3617221.9,   11.3,   11.3,   0.0);   (489021.2,
3617234.4,   11.8,   11.8,   0.0);
     (488978.2, 3617247.0,   11.7,   11.7,   0.0);   (488935.2,
3617259.5,   11.7,   11.7,   0.0);
     (488892.1, 3617272.1,   11.1,   11.1,   0.0);   (488849.1,
3617284.6,   10.6,   10.6,   0.0);
     (492128.9, 3614652.4,   20.4,   20.4,   0.0);   (492515.3,
3614718.0,   49.8,   49.8,   0.0);
     (492504.4, 3614737.7,   50.0,   50.0,   0.0);   (492493.5,
3614757.4,   50.1,   50.1,   0.0);
     (492471.7, 3614796.8,   49.6,   49.6,   0.0);   (492460.8,
3614816.5,   48.8,   48.8,   0.0);
     (492449.9, 3614836.2,   47.2,   47.2,   0.0);   (492439.0,
3614855.9,   45.8,   45.8,   0.0);
     (492417.1, 3614895.3,   44.7,   44.7,   0.0);   (492406.2,

3614915.0,   44.6,   44.6,   0.0);
     (492395.3, 3614934.7,   44.0,   44.0,   0.0);   (492384.4,
3614954.4,   43.3,   43.3,   0.0);
     (492362.6, 3614993.8,   41.2,   41.2,   0.0);   (492351.7,
3615013.5,   39.8,   39.8,   0.0);
     (492340.7, 3615033.2,   39.1,   39.1,   0.0);   (492329.8,
3615052.9,   37.3,   40.4,   0.0);
     (492308.0, 3615092.3,   36.8,   36.8,   0.0);   (492297.1,
3615112.0,   35.7,   35.7,   0.0);
     (492286.2, 3615131.7,   36.0,   36.0,   0.0);   (492275.3,
3615151.4,   35.9,   36.9,   0.0);
     (492253.5, 3615190.8,   34.1,   37.3,   0.0);   (492242.5,
3615210.5,   32.5,   37.3,   0.0);
     (492231.6, 3615230.2,   30.5,   37.3,   0.0);   (492220.7,
3615249.9,   30.6,   36.4,   0.0);
     (492209.8, 3615269.6,   29.2,   36.4,   0.0);   (492188.0,
3615309.0,   28.4,   34.8,   0.0);
     (492177.1, 3615328.7,   27.5,   34.8,   0.0);   (492166.2,
3615348.4,   27.1,   32.1,   0.0);
     (492155.2, 3615368.1,   27.4,   27.4,   0.0);   (492133.4,
3615407.5,   27.6,   27.6,   0.0);
     (492122.5, 3615427.2,   28.6,   28.6,   0.0);   (492111.6,
3615447.0,   28.5,   28.5,   0.0);
     (492100.7, 3615466.7,   28.7,   29.4,   0.0);   (492078.9,
3615506.1,   24.0,   30.6,   0.0);
     (492068.0, 3615525.8,   24.1,   30.7,   0.0);   (492057.0,
3615545.5,   29.1,   29.1,   0.0);
     (492046.1, 3615565.2,   30.5,   30.5,   0.0);   (492024.3,
3615604.6,   30.8,   30.8,   0.0);
     (492013.4, 3615624.3,   30.9,   30.9,   0.0);   (492002.5,
3615644.0,   30.9,   30.9,   0.0);
     (491991.6, 3615663.7,   30.9,   30.9,   0.0);   (491980.7,
3615683.4,   30.8,   30.8,   0.0);
     (491958.8, 3615722.8,   30.6,   30.6,   0.0);   (491947.9,
3615742.5,   30.5,   30.5,   0.0);
     (491937.0, 3615762.2,   30.4,   30.4,   0.0);   (491926.1,
3615781.9,   30.1,   30.1,   0.0);
     (491904.3, 3615821.3,   30.2,   33.6,   0.0);   (491893.4,
3615841.0,   29.4,   34.2,   0.0);
     (491882.5, 3615860.7,   29.3,   34.2,   0.0);   (491871.6,
3615880.4,   28.3,   34.2,   0.0);
     (491849.7, 3615919.8,   24.9,   34.2,   0.0);   (491838.8,
3615939.5,   23.1,   34.2,   0.0);
     (491827.9, 3615959.2,   22.7,   28.4,   0.0);   (491817.0,
3615978.9,   21.6,   28.3,   0.0);
     (491795.2, 3616018.3,   22.3,   27.7,   0.0);   (491784.3,
3616038.0,   20.9,   27.9,   0.0);
     (491773.3, 3616057.7,   21.8,   26.9,   0.0);   (491762.4,
3616077.4,   21.8,   26.9,   0.0);
     (491751.5, 3616097.1,   22.2,   41.6,   0.0);   (491729.7,

3616136.5,   25.7,   39.6,   0.0);
     (491718.8, 3616156.2,   27.4,   33.1,   0.0);   (491707.9,
3616175.9,   30.2,   33.1,   0.0);
     (491697.0, 3616195.6,   28.5,   39.6,   0.0);   (491675.1,
3616235.0,   26.5,   39.6,   0.0);
     (491664.2, 3616254.8,   26.8,   39.6,   0.0);   (491653.3,
3616274.4,   26.1,   39.6,   0.0);
     (491642.4, 3616294.1,   26.5,   39.3,   0.0);   (491620.6,
3616333.6,   27.5,   36.2,   0.0);
     (491609.7, 3616353.3,   27.9,   33.8,   0.0);   (491598.8,
3616373.0,   28.1,   33.4,   0.0);
     (491587.9, 3616392.7,   29.1,   33.4,   0.0);   (491566.0,
3616432.1,   29.1,   29.1,   0.0);
     (491555.1, 3616451.8,   28.0,   28.7,   0.0);   (491544.2,
3616471.5,   25.7,   31.2,   0.0);
     (491533.3, 3616491.2,   26.0,   31.2,   0.0);   (491522.4,
3616510.9,   27.2,   27.2,   0.0);
     (491500.6, 3616550.3,   26.4,   32.6,   0.0);   (491489.7,
3616570.0,   26.7,   32.6,   0.0);
     (491478.8, 3616589.7,   26.3,   33.6,   0.0);   (491467.8,
3616609.4,   26.1,   34.8,   0.0);
     (491446.0, 3616648.8,   27.6,   34.8,   0.0);   (491435.1,
3616668.5,   29.2,   34.8,   0.0);
     (491424.2, 3616688.2,   30.1,   38.4,   0.0);   (491413.3,
3616707.9,   31.3,   31.3,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (491391.5, 3616747.3,   31.9,   31.9,   0.0);   (491380.5,
3616767.0,   31.7,   40.9,   0.0);
     (491369.6, 3616786.7,   31.8,   40.9,   0.0);   (491358.7,
3616806.4,   31.6,   40.9,   0.0);
     (491336.9, 3616845.8,   31.2,   39.7,   0.0);   (491326.0,
3616865.5,   28.3,   40.9,   0.0);
     (491315.1, 3616885.2,   26.2,   40.9,   0.0);   (491304.2,
3616904.9,   26.1,   39.8,   0.0);
     (491293.2, 3616924.6,   26.2,   26.2,   0.0);   (491249.8,
3616970.3,   26.9,   26.9,   0.0);
     (491228.2, 3616976.6,   28.0,   28.0,   0.0);   (491206.6,
3616982.9,   29.1,   29.1,   0.0);
     (491184.9, 3616989.2,   28.9,   34.5,   0.0);   (491163.3,

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3616995.5,      27.5,      35.1,       0.0);
     ( 491141.7, 3617001.8,      32.1,      34.2,       0.0);         ( 491120.1,
3617008.1,      34.6,      34.6,       0.0);
     ( 491098.5, 3617014.4,      33.3,      35.1,       0.0);         ( 491076.8,
3617020.7,      30.7,      35.1,       0.0);
     ( 491055.2, 3617027.0,      30.7,      30.7,       0.0);         ( 491012.0,
3617039.6,      30.9,      34.0,       0.0);
     ( 490990.3, 3617045.9,      32.2,      32.2,       0.0);         ( 490968.7,
3617052.2,      29.4,      34.0,       0.0);
     ( 490947.1, 3617058.5,      22.6,      38.3,       0.0);         ( 490925.5,
3617064.8,      18.5,      38.3,       0.0);
     ( 490903.8, 3617071.1,      18.8,      38.3,       0.0);         ( 490882.2,
3617077.4,      20.2,      38.3,       0.0);
     ( 490860.6, 3617083.7,      21.9,      35.0,       0.0);         ( 490839.0,
3617090.0,      23.2,      23.2,       0.0);
     ( 490817.3, 3617096.3,      23.2,      23.2,       0.0);         ( 490795.7,
3617102.6,      22.3,      22.3,       0.0);
     ( 490774.1, 3617108.9,      22.0,      22.0,       0.0);         ( 490752.5,
3617115.2,      21.6,      21.6,       0.0);
     ( 490709.2, 3617127.8,      21.7,      21.7,       0.0);         ( 490687.6,
3617134.1,      22.0,      22.0,       0.0);
     ( 490666.0, 3617140.4,      22.5,      22.5,       0.0);         ( 490644.4,
3617146.7,      22.9,      22.9,       0.0);
     ( 490622.8, 3617153.0,      24.2,      24.2,       0.0);         ( 490601.1,
3617159.3,      25.8,      25.8,       0.0);
     ( 490579.5, 3617165.6,      27.4,      27.4,       0.0);         ( 490557.9,
3617171.9,      28.3,      28.3,       0.0);
     ( 490536.3, 3617178.2,      28.6,      28.6,       0.0);         ( 490514.6,
3617184.5,      28.6,      28.6,       0.0);
     ( 490493.0, 3617190.8,      28.3,      28.3,       0.0);         ( 490471.4,
3617197.1,      27.9,      27.9,       0.0);
     ( 490449.8, 3617203.4,      27.6,      27.6,       0.0);         ( 490406.5,
3617216.0,      27.2,      27.2,       0.0);
     ( 490384.9, 3617222.3,      27.2,      27.2,       0.0);         ( 490363.3,
3617228.6,      27.2,      27.2,       0.0);
     ( 490341.6, 3617234.9,      27.0,      27.0,       0.0);         ( 490320.0,
3617241.2,      26.3,      26.3,       0.0);
     ( 490298.4, 3617247.5,      24.8,      24.8,       0.0);         ( 490276.8,
3617253.8,      23.6,      23.6,       0.0);
     ( 490255.2, 3617260.1,      23.3,      23.3,       0.0);         ( 490233.5,
3617266.4,      22.9,      22.9,       0.0);
     ( 490211.9, 3617272.7,      20.0,      22.8,       0.0);         ( 490190.3,
3617279.0,      14.6,      26.2,       0.0);
     ( 490168.7, 3617285.3,      11.7,      27.2,       0.0);         ( 490147.0,
3617291.6,      10.9,      27.2,       0.0);
     ( 490103.8, 3617304.2,      10.2,      25.5,       0.0);         ( 490082.2,
3617310.5,       9.9,      25.1,       0.0);
     ( 490060.5, 3617316.8,       9.5,      24.9,       0.0);         ( 490038.9,
3617323.1,       8.1,      24.2,       0.0);
     ( 490017.3, 3617329.4,       9.0,       9.0,       0.0);         ( 489995.7,
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3617335.8,   8.7,   8.7,   0.0);
     (489974.1, 3617342.0,   9.1,   9.1,   0.0);   (489952.4,
3617348.3,   8.9,   8.9,   0.0);
     (489930.8, 3617354.6,   8.9,   8.9,   0.0);   (489909.2,
3617360.9,   8.9,   8.9,   0.0);
     (489887.6, 3617367.2,   8.8,   19.7,   0.0);   (489866.0,
3617373.5,   8.6,   20.0,   0.0);
     (489844.3, 3617379.8,   9.0,   20.4,   0.0);   (489822.7,
3617386.1,   9.3,   20.4,   0.0);
     (489801.1, 3617392.4,   9.1,   20.8,   0.0);   (489779.5,
3617398.8,   9.3,   23.2,   0.0);
     (489757.8, 3617405.0,   9.6,   26.0,   0.0);   (489736.2,
3617411.3,   13.6,   20.9,   0.0);
     (489714.6, 3617417.6,   15.7,   20.9,   0.0);   (489693.0,
3617423.9,   17.1,   20.2,   0.0);
     (489671.3, 3617430.2,   19.9,   19.9,   0.0);   (489649.7,
3617436.5,   20.0,   20.0,   0.0);
     (489628.1, 3617442.8,   18.8,   21.8,   0.0);   (489606.5,
3617449.1,   19.8,   21.7,   0.0);
     (489584.8, 3617455.4,   21.2,   21.2,   0.0);   (489563.2,
3617461.8,   22.3,   22.3,   0.0);
     (489541.6, 3617468.0,   23.5,   23.5,   0.0);   (489498.4,
3617480.6,   25.6,   25.6,   0.0);
     (489476.7, 3617486.9,   25.6,   25.6,   0.0);   (489455.1,
3617493.2,   25.4,   25.4,   0.0);
     (489433.5, 3617499.5,   25.0,   25.0,   0.0);   (489411.9,
3617505.8,   24.1,   24.1,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (489390.2, 3617512.1,   23.3,   23.3,   0.0);   (489368.6,
3617518.4,   22.0,   22.0,   0.0);
     (489347.0, 3617524.8,   20.5,   20.5,   0.0);   (489325.4,
3617531.0,   19.2,   19.2,   0.0);
     (489303.8, 3617537.3,   18.3,   18.3,   0.0);   (489282.1,
3617543.6,   17.3,   17.3,   0.0);
     (489260.5, 3617550.0,   16.5,   16.5,   0.0);   (489238.9,
3617556.3,   16.3,   16.3,   0.0);
     (489195.6, 3617568.9,   14.6,   14.6,   0.0);   (489174.0,
3617575.2,   14.4,   14.4,   0.0);
     (489152.4, 3617581.5,   13.9,   13.9,   0.0);   (489130.8,

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3617587.8,      14.0,      14.0,       0.0);
     ( 489109.1, 3617594.1,      14.1,      14.1,       0.0);         ( 489087.5,
3617600.4,      14.1,      14.1,       0.0);
     ( 489065.9, 3617606.7,      14.4,      14.4,       0.0);         ( 489044.3,
3617613.0,      15.1,      15.1,       0.0);
     ( 489022.7, 3617619.3,      16.9,      16.9,       0.0);         ( 489001.0,
3617625.6,      17.8,      17.8,       0.0);
     ( 488979.4, 3617631.9,      18.2,      18.2,       0.0);         ( 488957.8,
3617638.2,      18.2,      18.2,       0.0);
     ( 488936.2, 3617644.5,      18.0,      18.0,       0.0);         ( 488892.9,
3617657.1,      17.8,      17.8,       0.0);
     ( 488871.3, 3617663.4,      18.1,      18.1,       0.0);         ( 488849.7,
3617669.7,      17.9,      17.9,       0.0);
     ( 488828.1, 3617676.0,      17.4,      17.4,       0.0);         ( 488806.4,
3617682.3,      16.7,      16.7,       0.0);
     ( 492526.2, 3614698.3,      49.1,      49.1,       0.0);         ( 492528.8,
3614675.8,      48.4,      48.4,       0.0);
     ( 492912.7, 3614763.8,      38.4,      46.5,       0.0);         ( 492901.8,
3614783.4,      37.9,      46.5,       0.0);
     ( 492880.1, 3614822.7,      36.5,      36.5,       0.0);         ( 492858.4,
3614862.0,      34.1,      51.1,       0.0);
     ( 492836.6, 3614901.2,      34.2,      46.8,       0.0);         ( 492814.9,
3614940.5,      34.8,      35.9,       0.0);
     ( 492793.1, 3614979.7,      34.3,      34.3,       0.0);         ( 492771.4,
3615019.0,      34.0,      34.0,       0.0);
     ( 492760.5, 3615038.6,      34.3,      34.3,       0.0);         ( 492738.8,
3615077.9,      36.1,      36.1,       0.0);
     ( 492717.0, 3615117.1,      38.2,      38.2,       0.0);         ( 492695.3,
3615156.4,      38.7,      38.7,       0.0);
     ( 492673.5, 3615195.7,      39.3,      39.3,       0.0);         ( 492651.8,
3615234.9,      40.1,      40.1,       0.0);
     ( 492630.1, 3615274.2,      39.0,      39.0,       0.0);         ( 492608.3,
3615313.4,      36.4,      36.4,       0.0);
     ( 492586.6, 3615352.7,      33.0,      34.8,       0.0);         ( 492564.8,
3615392.0,      31.8,      31.8,       0.0);
     ( 492543.1, 3615431.2,      31.2,      31.2,       0.0);         ( 492521.3,
3615470.5,      31.9,      31.9,       0.0);
     ( 492510.5, 3615490.1,      32.2,      32.2,       0.0);         ( 492488.7,
3615529.4,      33.0,      33.0,       0.0);
     ( 492467.0, 3615568.6,      34.2,      39.2,       0.0);         ( 492445.2,
3615607.9,      38.4,      38.4,       0.0);
     ( 492423.5, 3615647.2,      38.2,      38.2,       0.0);         ( 492401.8,
3615686.4,      29.0,      40.2,       0.0);
     ( 492380.0, 3615725.7,      29.5,      40.1,       0.0);         ( 492358.3,
3615764.9,      31.6,      40.1,       0.0);
     ( 492336.5, 3615804.2,      39.2,      40.1,       0.0);         ( 492314.8,
3615843.5,      39.7,      39.7,       0.0);
     ( 492293.0, 3615882.7,      38.5,      38.5,       0.0);         ( 492271.3,
3615922.0,      27.4,      41.2,       0.0);
     ( 492260.4, 3615941.6,      26.9,      41.2,       0.0);         ( 492238.7,
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3615980.9,   26.9,   41.2,   0.0);
     (492216.9, 3616020.1,   25.8,   25.8,   0.0);   (492195.2,
3616059.4,   25.6,   25.6,   0.0);
     (492173.5, 3616098.7,   25.2,   25.2,   0.0);   (492151.7,
3616137.9,   25.2,   29.7,   0.0);
     (492130.0, 3616177.2,   29.5,   29.5,   0.0);   (492108.2,
3616216.4,   30.2,   30.2,   0.0);
     (492086.5, 3616255.7,   33.3,   35.6,   0.0);   (492064.7,
3616295.0,   36.3,   36.3,   0.0);
     (492043.0, 3616334.2,   37.6,   40.0,   0.0);   (492021.2,
3616373.5,   39.5,   39.5,   0.0);
     (492010.4, 3616393.1,   39.5,   39.5,   0.0);   (491988.6,
3616432.4,   37.8,   37.8,   0.0);
     (491966.9, 3616471.6,   37.2,   37.2,   0.0);   (491945.1,
3616510.9,   32.4,   37.4,   0.0);
     (491923.4, 3616550.2,   32.0,   32.0,   0.0);   (491901.7,
3616589.4,   31.0,   31.0,   0.0);
     (491879.9, 3616628.7,   31.0,   31.0,   0.0);   (491858.2,
3616667.9,   31.2,   31.2,   0.0);
     (491836.4, 3616707.2,   33.1,   33.1,   0.0);   (491814.7,
3616746.5,   33.0,   33.0,   0.0);
     (491793.0, 3616785.7,   35.5,   35.5,   0.0);   (491771.2,
3616825.0,   36.3,   36.3,   0.0);
     (491760.3, 3616844.6,   36.5,   36.5,   0.0);   (491738.6,
3616883.9,   37.2,   37.2,   0.0);
     (491716.8, 3616923.1,   38.4,   38.4,   0.0);   (491695.1,
3616962.4,   39.3,   39.3,   0.0);
     (491673.4, 3617001.7,   39.5,   39.5,   0.0);   (491651.6,
3617040.9,   39.0,   39.0,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (491629.9, 3617080.2,   35.0,   39.1,   0.0);   (491608.1,
3617119.4,   29.2,   39.4,   0.0);
     (491586.4, 3617158.7,   28.9,   28.9,   0.0);   (491564.6,
3617198.0,   28.7,   28.7,   0.0);
     (491542.9, 3617237.2,   28.4,   35.2,   0.0);   (491499.6,
3617282.8,   32.1,   32.1,   0.0);
     (491456.5, 3617295.3,   29.5,   29.5,   0.0);   (491413.4,
3617307.9,   32.6,   32.6,   0.0);
     (491370.4, 3617320.4,   34.0,   34.0,   0.0);   (491327.3,

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3617333.0,      32.9,      32.9,       0.0);
     ( 491284.2, 3617345.5,      31.4,      31.4,       0.0);         ( 491241.1,
3617358.1,      27.9,      31.2,       0.0);
     ( 491198.0, 3617370.6,      24.4,      38.6,       0.0);         ( 491154.9,
3617383.2,      30.1,      30.1,       0.0);
     ( 491111.8, 3617395.8,      30.9,      30.9,       0.0);         ( 491068.7,
3617408.3,      30.4,      30.4,       0.0);
     ( 491025.6, 3617420.9,      28.4,      28.4,       0.0);         ( 491004.1,
3617427.1,      28.9,      28.9,       0.0);
     ( 490961.0, 3617439.7,      29.2,      29.2,       0.0);         ( 490917.9,
3617452.3,      29.3,      29.3,       0.0);
     ( 490874.8, 3617464.8,      29.5,      29.5,       0.0);         ( 490831.8,
3617477.4,      29.7,      29.7,       0.0);
     ( 490788.7, 3617489.9,      28.8,      28.8,       0.0);         ( 490745.6,
3617502.5,      28.8,      28.8,       0.0);
     ( 490702.5, 3617515.0,      27.6,      27.6,       0.0);         ( 490659.4,
3617527.6,      26.2,      26.2,       0.0);
     ( 490616.3, 3617540.1,      25.4,      25.4,       0.0);         ( 490573.2,
3617552.7,      25.4,      25.4,       0.0);
     ( 490530.1, 3617565.2,      25.1,      25.1,       0.0);         ( 490487.1,
3617577.8,      23.8,      23.8,       0.0);
     ( 490444.0, 3617590.4,      22.4,      22.4,       0.0);         ( 490400.9,
3617602.9,      19.9,      19.9,       0.0);
     ( 490357.8, 3617615.5,      18.7,      18.7,       0.0);         ( 490314.7,
3617628.0,      17.2,      17.2,       0.0);
     ( 490271.6, 3617640.6,      14.2,      14.2,       0.0);         ( 490228.5,
3617653.1,      12.1,      12.1,       0.0);
     ( 490185.4, 3617665.7,      10.1,      10.1,       0.0);         ( 490142.3,
3617678.2,      11.0,      11.0,       0.0);
     ( 490099.3, 3617690.8,      11.7,      21.4,       0.0);         ( 490056.2,
3617703.3,      14.8,      14.8,       0.0);
     ( 490034.6, 3617709.6,      15.4,      19.9,       0.0);         ( 489991.5,
3617722.2,      15.1,      24.1,       0.0);
     ( 489948.5, 3617734.7,      20.4,      20.4,       0.0);         ( 489905.4,
3617747.3,      23.9,      23.9,       0.0);
     ( 489862.3, 3617759.8,      26.0,      27.6,       0.0);         ( 489819.2,
3617772.4,      26.7,      26.7,       0.0);
     ( 489776.1, 3617784.9,      26.8,      26.8,       0.0);         ( 489733.0,
3617797.5,      27.9,      27.9,       0.0);
     ( 489689.9, 3617810.1,      29.2,      29.2,       0.0);         ( 489646.8,
3617822.6,      29.9,      29.9,       0.0);
     ( 489603.8, 3617835.2,      29.7,      29.7,       0.0);         ( 489560.7,
3617847.7,      29.2,      29.2,       0.0);
     ( 489517.6, 3617860.3,      30.1,      30.1,       0.0);         ( 489474.5,
3617872.8,      29.9,      29.9,       0.0);
     ( 489431.4, 3617885.4,      30.2,      30.2,       0.0);         ( 489388.3,
3617897.9,      29.4,      29.4,       0.0);
     ( 489345.2, 3617910.5,      28.5,      28.5,       0.0);         ( 489302.1,
3617923.0,      26.9,      26.9,       0.0);
     ( 489259.0, 3617935.6,      24.6,      24.6,       0.0);         ( 489237.5,
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3617941.9,   24.2,   24.2,   0.0);
     (489194.4, 3617954.4,   23.6,   23.6,   0.0);   (489151.3,
3617967.0,   21.4,   21.4,   0.0);
     (489108.2, 3617979.5,   18.9,   18.9,   0.0);   (489065.2,
3617992.1,   16.0,   16.0,   0.0);
     (489022.1, 3618004.7,   14.1,   24.7,   0.0);   (488979.0,
3618017.2,   15.6,   25.2,   0.0);
     (488935.9, 3618029.8,   23.8,   23.8,   0.0);   (488892.8,
3618042.3,   24.3,   24.3,   0.0);
     (488849.7, 3618054.9,   22.8,   22.8,   0.0);   (488806.6,
3618067.4,   20.7,   20.7,   0.0);
     (488763.5, 3618080.0,   15.2,   22.5,   0.0);   (492926.2,
3614721.8,   38.7,   48.3,   0.0);
     (489149.0, 3614310.6,   3.8,   3.8,   0.0);   (489146.8,
3614335.5,   3.9,   3.9,   0.0);
     (489133.2, 3614484.8,   4.6,   4.6,   0.0);   (489128.7,
3614534.6,   4.1,   4.1,   0.0);
     (489124.2, 3614584.4,   4.1,   4.1,   0.0);   (489106.1,
3614783.6,   4.5,   4.5,   0.0);
     (489097.1, 3614883.2,   4.7,   4.7,   0.0);   (489039.1,
3615681.2,   3.7,   3.7,   0.0);
     (489191.5, 3614354.6,   3.8,   3.8,   0.0);   (489273.9,
3614455.4,   2.7,   2.7,   0.0);
     (489144.1, 3614877.4,   4.4,   4.4,   0.0);   (489499.1,
3614898.6,   3.1,   15.0,   0.0);
     (489466.0, 3614905.8,   3.1,   14.8,   0.0);   (489157.4,
3614972.2,   3.9,   3.9,   0.0);
     (489113.3, 3614981.7,   3.7,   3.7,   0.0);   (489548.2,
3614985.7,   4.8,   14.8,   0.0);
     (489526.0, 3614990.5,   3.4,   14.8,   0.0);   (489492.8,
3614997.7,   3.1,   14.8,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (489448.4, 3615007.2,   3.2,   3.2,   0.0);   (489569.2,
3614977.7,   11.2,   14.0,   0.0);
     (489646.8, 3615159.8,   11.0,   11.0,   0.0);   (489613.8,
3615166.9,   7.2,   12.7,   0.0);
     (489580.8, 3615174.0,   4.1,   12.7,   0.0);   (489558.9,
3615178.7,   3.4,   3.4,   0.0);
     (489525.9, 3615185.8,   3.5,   3.5,   0.0);   (489481.9,

```
3615195.3,       3.4,       3.4,       0.0);
     ( 489438.0, 3615204.8,       3.3,       3.3,       0.0);         ( 489394.0,
3615214.2,       3.3,       3.3,       0.0);
     ( 489745.1, 3615333.9,      11.2,      11.2,       0.0);         ( 489722.9,
3615338.7,       9.5,      10.0,       0.0);
     ( 489700.8, 3615343.4,       5.4,      12.4,       0.0);         ( 489678.6,
3615348.2,       3.8,      12.4,       0.0);
     ( 489656.4, 3615353.0,       3.3,       3.3,       0.0);         ( 489634.2,
3615357.8,       3.3,       3.3,       0.0);
     ( 489612.0, 3615362.6,       3.4,       3.4,       0.0);         ( 489589.8,
3615367.3,       3.4,       3.4,       0.0);
     ( 489567.6, 3615372.1,       3.4,       3.4,       0.0);         ( 489545.4,
3615376.9,       3.4,       3.4,       0.0);
     ( 489523.2, 3615381.7,       3.4,       3.4,       0.0);         ( 489501.0,
3615386.5,       3.3,       3.3,       0.0);
     ( 489478.8, 3615391.2,       3.2,       3.2,       0.0);         ( 489434.5,
3615400.8,       1.8,       1.8,       0.0);
     ( 489390.1, 3615410.4,       1.5,       4.0,       0.0);         ( 489345.7,
3615419.9,       2.9,       2.9,       0.0);
     ( 489301.3, 3615429.5,       3.2,       3.2,       0.0);         ( 489256.9,
3615439.0,       3.3,       3.3,       0.0);
     ( 489766.1, 3615325.9,       9.1,      12.4,       0.0);         ( 489843.7,
3615508.0,       9.7,       9.7,       0.0);
     ( 489821.6, 3615512.7,       9.4,       9.4,       0.0);         ( 489799.6,
3615517.5,       8.7,       8.7,       0.0);
     ( 489777.5, 3615522.2,       7.5,       7.5,       0.0);         ( 489755.5,
3615526.9,       6.5,       6.5,       0.0);
     ( 489733.5, 3615531.7,       5.2,       5.2,       0.0);         ( 489711.4,
3615536.4,       4.7,       4.7,       0.0);
     ( 489689.4, 3615541.2,       4.7,       4.7,       0.0);         ( 489667.3,
3615545.9,       4.4,       4.4,       0.0);
     ( 489645.3, 3615550.7,       4.5,       4.5,       0.0);         ( 489623.2,
3615555.4,       4.5,       4.5,       0.0);
     ( 489601.2, 3615560.2,       4.3,       4.3,       0.0);         ( 489579.2,
3615564.9,       2.8,       2.8,       0.0);
     ( 489557.1, 3615569.7,       3.3,       3.3,       0.0);         ( 489535.1,
3615574.4,       4.3,       4.3,       0.0);
     ( 489513.0, 3615579.2,       4.4,       4.4,       0.0);         ( 489491.0,
3615583.9,       4.5,       4.5,       0.0);
     ( 489469.0, 3615588.7,       4.0,       4.0,       0.0);         ( 489446.9,
3615593.4,       3.9,       3.9,       0.0);
     ( 489424.9, 3615598.2,       3.8,       3.8,       0.0);         ( 489391.8,
3615605.3,       3.6,       3.6,       0.0);
     ( 489347.7, 3615614.8,       3.6,       3.6,       0.0);         ( 489303.6,
3615624.3,       2.8,       2.8,       0.0);
     ( 489942.0, 3615682.1,      12.9,      12.9,       0.0);         ( 489919.8,
3615686.8,      12.1,      12.1,       0.0);
     ( 489897.7, 3615691.6,      11.0,      11.0,       0.0);         ( 489875.5,
3615696.4,      10.0,      10.0,       0.0);
     ( 489853.3, 3615701.2,       9.6,       9.6,       0.0);         ( 489831.1,
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3615706.0,   8.9,   8.9,   0.0);
     (489808.9, 3615710.8,   8.0,   8.0,   0.0);   (489786.7,
3615715.5,   7.0,   7.0,   0.0);
     (489764.5, 3615720.3,   6.2,   6.2,   0.0);   (489742.3,
3615725.1,   5.7,   5.7,   0.0);
     (489720.1, 3615729.9,   5.6,   5.6,   0.0);   (489697.9,
3615734.6,   6.1,   6.1,   0.0);
     (489675.7, 3615739.4,   6.1,   6.1,   0.0);   (489653.5,
3615744.2,   4.6,   4.6,   0.0);
     (489631.3, 3615749.0,   4.2,   4.2,   0.0);   (489609.2,
3615753.8,   4.1,   4.1,   0.0);
     (489587.0, 3615758.5,   4.0,   4.0,   0.0);   (489564.8,
3615763.3,   4.1,   4.1,   0.0);
     (489542.6, 3615768.1,   4.1,   4.1,   0.0);   (489520.4,
3615772.9,   3.9,   3.9,   0.0);
     (489498.2, 3615777.7,   2.3,   2.3,   0.0);   (489476.0,
3615782.4,   2.9,   2.9,   0.0);
     (489453.8, 3615787.2,   3.6,   3.6,   0.0);   (489431.6,
3615792.0,   3.7,   3.7,   0.0);
     (489409.4, 3615796.8,   3.6,   3.6,   0.0);   (489387.2,
3615801.6,   3.5,   3.5,   0.0);
     (489342.8, 3615811.1,   3.6,   3.6,   0.0);   (489298.5,
3615820.7,   3.9,   3.9,   0.0);
     (489963.1, 3615674.1,   13.1,   13.1,   0.0);   (490040.5,
3615856.1,   15.7,   15.7,   0.0);
     (490018.5, 3615860.9,   15.5,   15.5,   0.0);   (489996.4,
3615865.6,   15.2,   15.2,   0.0);
     (489974.3, 3615870.4,   14.9,   14.9,   0.0);   (489952.2,
3615875.2,   14.5,   14.5,   0.0);
     (489930.2, 3615879.9,   14.0,   14.0,   0.0);   (489908.1,
3615884.7,   13.7,   13.7,   0.0);
     (489886.0, 3615889.4,   13.1,   13.1,   0.0);   (489864.0,
3615894.2,   12.3,   12.3,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (489841.9, 3615898.9,   11.4,   11.4,   0.0);   (489819.8,
3615903.7,   10.1,   10.1,   0.0);
     (489797.7, 3615908.4,   9.0,   9.0,   0.0);   (489775.6,
3615913.2,   8.8,   8.8,   0.0);
     (489753.6, 3615917.9,   7.8,   7.8,   0.0);   (489731.5,

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3615922.7,       6.5,       6.5,       0.0);
     ( 489709.4, 3615927.5,       5.4,       5.4,       0.0);         ( 489687.3,
3615932.2,       4.8,       9.9,       0.0);
     ( 489665.3, 3615937.0,       6.6,       9.9,       0.0);         ( 489643.2,
3615941.7,      10.0,      10.0,       0.0);
     ( 489621.1, 3615946.5,      10.6,      10.6,       0.0);         ( 489599.0,
3615951.2,      10.4,      10.4,       0.0);
     ( 489577.0, 3615956.0,       5.0,      12.0,       0.0);         ( 489554.9,
3615960.7,       3.3,      12.4,       0.0);
     ( 489532.8, 3615965.5,       3.1,      12.4,       0.0);         ( 489510.7,
3615970.2,       3.1,      11.0,       0.0);
     ( 489488.7, 3615975.0,       3.1,       3.1,       0.0);         ( 489466.6,
3615979.8,       3.3,       3.3,       0.0);
     ( 489444.5, 3615984.5,       3.8,       3.8,       0.0);         ( 489422.4,
3615989.3,       4.0,       4.0,       0.0);
     ( 489400.4, 3615994.0,       4.1,       4.1,       0.0);         ( 489378.3,
3615998.8,       4.1,       4.1,       0.0);
     ( 489334.1, 3616008.3,       4.6,       4.6,       0.0);         ( 489290.0,
3616017.8,       5.1,       5.1,       0.0);
     ( 490237.4, 3616204.3,      26.3,      26.3,       0.0);         ( 490215.3,
3616209.1,      26.4,      26.4,       0.0);
     ( 490193.2, 3616213.8,      25.6,      25.6,       0.0);         ( 490171.1,
3616218.6,      24.5,      24.5,       0.0);
     ( 490149.1, 3616223.4,      23.3,      23.3,       0.0);         ( 490127.0,
3616228.1,      21.9,      21.9,       0.0);
     ( 490104.9, 3616232.9,      20.5,      20.5,       0.0);         ( 490082.8,
3616237.6,      19.3,      19.3,       0.0);
     ( 490060.7, 3616242.4,      18.4,      18.4,       0.0);         ( 490038.6,
3616247.2,      17.4,      17.4,       0.0);
     ( 490016.5, 3616251.9,      17.0,      17.0,       0.0);         ( 489994.4,
3616256.7,      16.2,      16.2,       0.0);
     ( 489972.3, 3616261.4,      16.3,      16.3,       0.0);         ( 489950.2,
3616266.2,      16.2,      16.2,       0.0);
     ( 489928.1, 3616270.9,      15.8,      15.8,       0.0);         ( 489906.0,
3616275.7,      16.1,      16.1,       0.0);
     ( 489883.9, 3616280.5,      16.4,      16.4,       0.0);         ( 489861.8,
3616285.2,      14.3,      16.8,       0.0);
     ( 489839.7, 3616290.0,      11.0,      16.8,       0.0);         ( 489817.6,
3616294.8,       8.5,      16.8,       0.0);
     ( 489795.5, 3616299.5,       7.9,      16.8,       0.0);         ( 489773.4,
3616304.3,       7.3,      16.0,       0.0);
     ( 489751.3, 3616309.0,       6.1,      16.0,       0.0);         ( 489729.2,
3616313.8,       5.7,      16.0,       0.0);
     ( 489707.1, 3616318.5,       5.5,       5.5,       0.0);         ( 489685.0,
3616323.3,       5.4,       5.4,       0.0);
     ( 489662.9, 3616328.1,       5.3,       5.3,       0.0);         ( 489640.8,
3616332.8,       5.1,       5.1,       0.0);
     ( 489618.7, 3616337.6,       5.1,       5.1,       0.0);         ( 489596.6,
3616342.3,       5.0,      12.9,       0.0);
     ( 489574.5, 3616347.1,       5.0,      12.9,       0.0);         ( 489552.5,
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3616351.9, 6.3, 12.9, 0.0);
(489530.4, 3616356.6, 9.7, 12.9, 0.0); (489508.3,
3616361.4, 12.4, 12.4, 0.0);
(489486.2, 3616366.1, 12.0, 12.0, 0.0); (489464.1,
3616370.9, 11.2, 11.2, 0.0);
(489442.0, 3616375.6, 9.9, 11.3, 0.0); (489419.9,
3616380.4, 7.1, 11.9, 0.0);
(489397.8, 3616385.2, 6.5, 11.3, 0.0); (489375.7,
3616389.9, 7.0, 7.0, 0.0);
(489353.6, 3616394.7, 7.3, 7.3, 0.0); (489331.5,
3616399.4, 7.3, 7.3, 0.0);
(489309.4, 3616404.2, 7.1, 7.1, 0.0); (489287.3,
3616409.0, 6.9, 6.9, 0.0);
(489243.1, 3616418.5, 7.5, 7.5, 0.0); (489198.9,
3616428.0, 7.3, 7.3, 0.0);
(489154.7, 3616437.5, 7.0, 7.0, 0.0); (490434.3,
3616552.5, 14.8, 14.8, 0.0);
(490412.0, 3616557.3, 16.2, 16.2, 0.0); (490389.7,
3616562.1, 16.8, 16.8, 0.0);
(490367.4, 3616566.9, 16.7, 16.7, 0.0); (490345.2,
3616571.7, 16.2, 16.2, 0.0);
(490322.9, 3616576.5, 14.7, 14.7, 0.0); (490300.6,
3616581.3, 12.9, 12.9, 0.0);
(490278.3, 3616586.1, 12.3, 20.0, 0.0); (490256.1,
3616590.9, 13.8, 20.0, 0.0);
(490233.8, 3616595.7, 14.9, 20.0, 0.0); (490211.5,
3616600.5, 14.9, 20.0, 0.0);
(490189.2, 3616605.3, 14.4, 20.0, 0.0); (490167.0,
3616610.1, 13.8, 20.0, 0.0);
(490144.7, 3616614.9, 13.9, 19.5, 0.0); (490122.4,
3616619.7, 15.2, 18.0, 0.0);
(490100.1, 3616624.5, 16.4, 17.7, 0.0); (490077.9,
3616629.3, 17.2, 17.2, 0.0);
(490055.6, 3616634.1, 17.9, 17.9, 0.0); (490033.3,
3616638.9, 18.2, 18.2, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(490011.1, 3616643.7, 18.1, 18.1, 0.0); (489988.8,
3616648.5, 18.8, 18.8, 0.0);
(489966.5, 3616653.3, 19.2, 19.2, 0.0); (489944.2,

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3616658.1,      19.1,      19.1,       0.0);
     ( 489922.0, 3616662.9,      18.8,      18.8,       0.0);         ( 489899.7,
3616667.7,      18.7,      18.7,       0.0);
     ( 489877.4, 3616672.5,      18.8,      18.8,       0.0);         ( 489855.1,
3616677.2,      18.5,      18.5,       0.0);
     ( 489832.9, 3616682.0,      18.4,      18.4,       0.0);         ( 489810.6,
3616686.8,      18.1,      18.1,       0.0);
     ( 489788.3, 3616691.6,      17.9,      17.9,       0.0);         ( 489766.0,
3616696.4,      17.7,      17.7,       0.0);
     ( 489743.8, 3616701.2,      17.4,      17.4,       0.0);         ( 489721.5,
3616706.0,      17.0,      17.0,       0.0);
     ( 489699.2, 3616710.8,      16.6,      16.6,       0.0);         ( 489677.0,
3616715.6,      16.1,      16.1,       0.0);
     ( 489654.7, 3616720.4,      15.9,      15.9,       0.0);         ( 489632.4,
3616725.2,      15.4,      15.4,       0.0);
     ( 489610.1, 3616730.0,      14.9,      14.9,       0.0);         ( 489587.9,
3616734.8,      14.5,      14.5,       0.0);
     ( 489565.6, 3616739.6,      14.0,      14.0,       0.0);         ( 489543.3,
3616744.4,      13.4,      13.4,       0.0);
     ( 489521.0, 3616749.2,      12.5,      12.5,       0.0);         ( 489498.8,
3616754.0,      12.1,      12.1,       0.0);
     ( 489476.5, 3616758.8,      11.5,      11.5,       0.0);         ( 489454.2,
3616763.6,      10.9,      10.9,       0.0);
     ( 489431.9, 3616768.4,      10.4,      10.4,       0.0);         ( 489409.7,
3616773.2,       9.9,       9.9,       0.0);
     ( 489387.4, 3616778.0,       9.3,       9.3,       0.0);         ( 489365.1,
3616782.8,       8.9,       8.9,       0.0);
     ( 489342.8, 3616787.6,       8.2,       8.2,       0.0);         ( 489320.6,
3616792.4,       7.5,       7.5,       0.0);
     ( 489298.3, 3616797.2,       7.1,       7.1,       0.0);         ( 489276.0,
3616802.0,       6.7,      15.0,       0.0);
     ( 489253.8, 3616806.8,       6.2,      15.0,       0.0);         ( 489231.5,
3616811.6,       5.6,      15.0,       0.0);
     ( 489209.2, 3616816.4,       5.0,      13.3,       0.0);         ( 489164.7,
3616826.0,       8.5,      12.8,       0.0);
     ( 490455.3, 3616544.5,      14.1,      14.1,       0.0);         ( 490631.2,
3616900.7,      24.7,      29.8,       0.0);
     ( 490608.9, 3616905.5,      27.8,      27.8,       0.0);         ( 490586.6,
3616910.3,      29.8,      29.8,       0.0);
     ( 490564.4, 3616915.1,      29.8,      29.8,       0.0);         ( 490542.1,
3616919.9,      29.3,      29.3,       0.0);
     ( 490519.8, 3616924.7,      28.9,      28.9,       0.0);         ( 490497.6,
3616929.5,      28.6,      28.6,       0.0);
     ( 490475.3, 3616934.3,      28.1,      28.1,       0.0);         ( 490453.1,
3616939.1,      27.3,      27.3,       0.0);
     ( 490430.8, 3616943.9,      26.1,      26.1,       0.0);         ( 490408.5,
3616948.6,      27.0,      27.0,       0.0);
     ( 490386.3, 3616953.4,      28.3,      28.3,       0.0);         ( 490364.0,
3616958.2,      28.8,      28.8,       0.0);
     ( 490341.8, 3616963.0,      28.6,      28.6,       0.0);         ( 490319.5,
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3616967.8,   28.6,   28.6,   0.0);
     (490297.2, 3616972.6,   28.4,   28.4,   0.0);   (490275.0,
3616977.4,   27.9,   27.9,   0.0);
     (490252.7, 3616982.2,   28.0,   28.0,   0.0);   (490230.4,
3616987.0,   27.7,   27.7,   0.0);
     (490208.2, 3616991.8,   26.9,   26.9,   0.0);   (490185.9,
3616996.6,   26.0,   26.0,   0.0);
     (490163.6, 3617001.4,   25.4,   25.4,   0.0);   (490141.4,
3617006.2,   24.6,   24.6,   0.0);
     (490119.1, 3617011.0,   24.2,   24.2,   0.0);   (490096.9,
3617015.8,   23.1,   23.1,   0.0);
     (490074.6, 3617020.6,   22.1,   22.1,   0.0);   (490052.3,
3617025.4,   20.5,   20.5,   0.0);
     (490030.1, 3617030.2,   19.0,   19.0,   0.0);   (490007.8,
3617035.0,   18.5,   18.5,   0.0);
     (489985.5, 3617039.8,   18.8,   18.8,   0.0);   (489963.3,
3617044.5,   18.4,   19.8,   0.0);
     (489941.0, 3617049.3,   18.1,   20.2,   0.0);   (489918.8,
3617054.1,   17.9,   20.4,   0.0);
     (489896.5, 3617058.9,   18.4,   18.4,   0.0);   (489874.2,
3617063.7,   18.6,   18.6,   0.0);
     (489852.0, 3617068.5,   17.7,   17.7,   0.0);   (489829.7,
3617073.3,   16.1,   21.1,   0.0);
     (489807.4, 3617078.1,   12.6,   22.4,   0.0);   (489785.2,
3617082.9,   9.1,   22.9,   0.0);
     (489762.9, 3617087.7,   8.5,   22.4,   0.0);   (489740.7,
3617092.5,   8.6,   22.4,   0.0);
     (489718.4, 3617097.3,   8.3,   21.4,   0.0);   (489696.1,
3617102.1,   7.5,   21.0,   0.0);
     (489673.9, 3617106.9,   6.9,   21.0,   0.0);   (489651.6,
3617111.7,   7.4,   21.0,   0.0);
     (489629.3, 3617116.5,   7.6,   7.6,   0.0);   (489607.1,
3617121.3,   7.3,   7.3,   0.0);
     (489584.8, 3617126.1,   6.9,   6.9,   0.0);   (489562.5,
3617130.9,   6.5,   6.5,   0.0);
     (489540.3, 3617135.6,   6.3,   24.3,   0.0);   (489518.0,
3617140.4,   6.3,   24.3,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (489495.8, 3617145.2,   6.1,   24.3,   0.0);   (489473.5,

```
3617150.0,       4.6,      24.8,       0.0);
     ( 489451.2, 3617154.8,       3.9,      24.8,       0.0);         ( 489429.0,
3617159.6,       6.1,      24.3,       0.0);
     ( 489406.7, 3617164.4,       8.8,       8.8,       0.0);         ( 489384.5,
3617169.2,       9.9,       9.9,       0.0);
     ( 489362.2, 3617174.0,       9.9,       9.9,       0.0);         ( 489339.9,
3617178.8,       9.2,       9.2,       0.0);
     ( 489317.7, 3617183.6,       8.5,       8.5,       0.0);         ( 489295.4,
3617188.4,       8.4,       8.4,       0.0);
     ( 489273.1, 3617193.2,       8.8,       8.8,       0.0);         ( 489250.9,
3617198.0,       9.0,       9.0,       0.0);
     ( 489228.6, 3617202.8,       8.8,       8.8,       0.0);         ( 489206.3,
3617207.6,       8.5,       8.5,       0.0);
     ( 489184.1, 3617212.4,       7.9,       7.9,       0.0);         ( 489161.8,
3617217.2,       5.9,      10.2,       0.0);
     ( 489139.6, 3617222.0,       8.0,      10.2,       0.0);         ( 489095.0,
3617231.5,      11.3,      11.3,       0.0);
     ( 489050.5, 3617241.1,      11.9,      11.9,       0.0);         ( 490652.2,
3616892.7,      21.9,      29.8,       0.0);
     ( 490828.1, 3617248.9,      24.7,      24.7,       0.0);         ( 490805.8,
3617253.7,      24.3,      24.3,       0.0);
     ( 490783.6, 3617258.5,      24.7,      24.7,       0.0);         ( 490761.3,
3617263.3,      25.4,      25.4,       0.0);
     ( 490739.1, 3617268.0,      26.1,      26.1,       0.0);         ( 490716.8,
3617272.8,      26.8,      26.8,       0.0);
     ( 490694.5, 3617277.6,      27.5,      27.5,       0.0);         ( 490672.3,
3617282.4,      28.1,      28.1,       0.0);
     ( 490650.0, 3617287.2,      28.4,      28.4,       0.0);         ( 490627.8,
3617292.0,      28.7,      28.7,       0.0);
     ( 490605.5, 3617296.8,      29.3,      29.3,       0.0);         ( 490583.3,
3617301.6,      30.1,      30.1,       0.0);
     ( 490561.0, 3617306.4,      30.7,      30.7,       0.0);         ( 490538.8,
3617311.2,      30.2,      30.2,       0.0);
     ( 490516.5, 3617316.0,      29.5,      29.5,       0.0);         ( 490494.3,
3617320.8,      28.9,      28.9,       0.0);
     ( 490472.0, 3617325.6,      28.3,      28.3,       0.0);         ( 490449.8,
3617330.4,      27.7,      27.7,       0.0);
     ( 490427.5, 3617335.2,      26.8,      26.8,       0.0);         ( 490405.2,
3617339.9,      25.9,      25.9,       0.0);
     ( 490383.0, 3617344.7,      25.4,      25.4,       0.0);         ( 490360.7,
3617349.5,      25.1,      25.1,       0.0);
     ( 490338.5, 3617354.3,      24.6,      24.6,       0.0);         ( 490316.2,
3617359.1,      24.0,      24.0,       0.0);
     ( 490294.0, 3617363.9,      23.3,      23.3,       0.0);         ( 490271.7,
3617368.7,      22.0,      22.8,       0.0);
     ( 490249.5, 3617373.5,      14.6,      24.9,       0.0);         ( 490227.2,
3617378.3,      12.8,      24.9,       0.0);
     ( 490205.0, 3617383.1,      12.1,      24.5,       0.0);         ( 490182.7,
3617387.9,      11.6,      23.6,       0.0);
     ( 490160.4, 3617392.7,      10.8,      23.6,       0.0);         ( 490138.2,
```

3617397.5, 9.6, 9.6, 0.0);
     (490115.9, 3617402.3, 9.0, 9.0, 0.0); (490093.7,
3617407.1, 10.3, 10.3, 0.0);
     (490071.4, 3617411.8, 9.8, 9.8, 0.0); (490049.2,
3617416.6, 10.0, 10.0, 0.0);
     (490026.9, 3617421.4, 10.2, 10.2, 0.0); (490004.7,
3617426.2, 10.3, 10.3, 0.0);
     (489982.4, 3617431.0, 10.5, 10.5, 0.0); (489960.1,
3617435.8, 10.9, 10.9, 0.0);
     (489937.9, 3617440.6, 12.1, 12.1, 0.0); (489915.6,
3617445.4, 13.0, 13.0, 0.0);
     (489893.4, 3617450.2, 14.0, 14.0, 0.0); (489871.1,
3617455.0, 14.7, 14.7, 0.0);
     (489848.9, 3617459.8, 15.7, 20.0, 0.0); (489826.6,
3617464.6, 17.4, 20.0, 0.0);
     (489804.4, 3617469.4, 20.1, 20.1, 0.0); (489782.1,
3617474.2, 20.4, 20.4, 0.0);
     (489759.9, 3617478.9, 20.4, 20.4, 0.0); (489737.6,
3617483.8, 20.8, 20.8, 0.0);
     (489715.3, 3617488.5, 21.2, 21.2, 0.0); (489693.1,
3617493.3, 21.8, 21.8, 0.0);
     (489670.8, 3617498.1, 22.8, 22.8, 0.0); (489648.6,
3617502.9, 23.7, 23.7, 0.0);
     (489626.3, 3617507.7, 24.3, 24.3, 0.0); (489604.1,
3617512.5, 24.5, 24.5, 0.0);
     (489581.8, 3617517.3, 23.9, 25.8, 0.0); (489559.6,
3617522.1, 23.6, 23.6, 0.0);
     (489537.3, 3617526.9, 24.4, 24.4, 0.0); (489515.1,
3617531.7, 25.8, 25.8, 0.0);
     (489492.8, 3617536.5, 26.4, 26.4, 0.0); (489470.5,
3617541.3, 25.9, 25.9, 0.0);
     (489448.3, 3617546.1, 25.5, 25.5, 0.0); (489426.0,
3617550.8, 24.8, 24.8, 0.0);
     (489403.8, 3617555.6, 24.1, 24.1, 0.0); (489381.5,
3617560.4, 23.1, 23.1, 0.0);
     (489359.3, 3617565.2, 21.6, 21.6, 0.0); (489337.0,
3617570.0, 20.2, 20.2, 0.0);
     (489314.8, 3617574.8, 19.0, 19.0, 0.0); (489292.5,
3617579.6, 18.0, 18.0, 0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                *** DISCRETE CARTESIAN RECEPTORS ***
                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                        (METERS)

```
     ( 489270.3, 3617584.4,      17.2,      17.2,       0.0);         ( 489248.0,
3617589.2,      16.7,      16.7,       0.0);
     ( 489225.8, 3617594.0,      16.3,      16.3,       0.0);         ( 489203.5,
3617598.8,      15.6,      15.6,       0.0);
     ( 489181.2, 3617603.6,      15.0,      15.0,       0.0);         ( 489159.0,
3617608.4,      14.9,      14.9,       0.0);
     ( 489136.7, 3617613.2,      14.9,      14.9,       0.0);         ( 489114.5,
3617617.9,      14.7,      14.7,       0.0);
     ( 489092.2, 3617622.8,      14.7,      14.7,       0.0);         ( 490849.1,
3617240.9,      25.7,      25.7,       0.0);
     ( 491025.0, 3617597.1,      33.8,      33.8,       0.0);         ( 491002.7,
3617601.8,      32.3,      32.3,       0.0);
     ( 490980.5, 3617606.6,      32.3,      32.3,       0.0);         ( 490958.2,
3617611.4,      31.9,      31.9,       0.0);
     ( 490936.0, 3617616.2,      31.5,      31.5,       0.0);         ( 490913.7,
3617621.0,      31.3,      31.3,       0.0);
     ( 490891.5, 3617625.8,      30.9,      30.9,       0.0);         ( 490869.2,
3617630.6,      30.3,      30.3,       0.0);
     ( 490847.0, 3617635.4,      29.3,      29.3,       0.0);         ( 490824.8,
3617640.2,      29.0,      29.0,       0.0);
     ( 490802.5, 3617645.0,      28.5,      28.5,       0.0);         ( 490780.3,
3617649.8,      28.3,      28.3,       0.0);
     ( 490758.0, 3617654.6,      27.8,      27.8,       0.0);         ( 490735.8,
3617659.3,      27.4,      27.4,       0.0);
     ( 490713.5, 3617664.1,      27.3,      27.3,       0.0);         ( 490691.3,
3617668.9,      27.0,      27.0,       0.0);
     ( 490669.0, 3617673.7,      26.9,      26.9,       0.0);         ( 490646.8,
3617678.5,      26.8,      26.8,       0.0);
     ( 490624.5, 3617683.3,      26.5,      26.5,       0.0);         ( 490602.3,
3617688.1,      26.3,      26.3,       0.0);
     ( 490580.0, 3617692.9,      26.0,      26.0,       0.0);         ( 490557.8,
3617697.7,      25.7,      25.7,       0.0);
     ( 490535.5, 3617702.5,      25.1,      25.1,       0.0);         ( 490513.3,
3617707.3,      24.3,      24.3,       0.0);
     ( 490491.0, 3617712.1,      23.4,      23.4,       0.0);         ( 490468.8,
3617716.8,      22.6,      22.6,       0.0);
     ( 490446.5, 3617721.6,      20.9,      22.5,       0.0);         ( 490424.3,
3617726.4,      18.5,      22.5,       0.0);
     ( 490402.0, 3617731.2,      16.5,      22.5,       0.0);         ( 490379.8,
3617736.0,      15.4,      15.4,       0.0);
     ( 490357.5, 3617740.8,      14.5,      14.5,       0.0);         ( 490335.3,
3617745.6,      14.0,      14.0,       0.0);
     ( 490313.0, 3617750.4,      13.6,      13.6,       0.0);         ( 490290.8,
3617755.2,      13.1,      13.1,       0.0);
     ( 490268.6, 3617760.0,      11.5,      11.5,       0.0);         ( 490246.3,
3617764.8,       9.2,      12.9,       0.0);
     ( 490224.1, 3617769.6,      11.4,      11.4,       0.0);         ( 490201.8,
3617774.3,      11.5,      21.3,       0.0);
     ( 490179.6, 3617779.1,      11.7,      21.5,       0.0);         ( 490157.3,
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3617783.9,   11.8,   21.5,   0.0);
     (490135.1, 3617788.7,   14.4,   21.5,   0.0);   (490112.8,
3617793.5,   19.8,   21.3,   0.0);
     (490090.6, 3617798.3,   21.1,   21.1,   0.0);   (490068.3,
3617803.1,   20.0,   20.0,   0.0);
     (490046.1, 3617807.9,   20.5,   20.5,   0.0);   (490023.8,
3617812.7,   20.4,   20.4,   0.0);
     (490001.6, 3617817.5,   20.2,   20.2,   0.0);   (489979.3,
3617822.3,   20.2,   20.2,   0.0);
     (489957.1, 3617827.1,   20.2,   20.2,   0.0);   (489934.8,
3617831.8,   19.9,   19.9,   0.0);
     (489912.6, 3617836.6,   19.7,   28.4,   0.0);   (489890.3,
3617841.4,   20.0,   29.5,   0.0);
     (489868.1, 3617846.2,   23.0,   29.5,   0.0);   (489845.8,
3617851.0,   25.0,   29.5,   0.0);
     (489823.6, 3617855.8,   25.4,   29.5,   0.0);   (489801.3,
3617860.6,   25.4,   31.0,   0.0);
     (489779.1, 3617865.4,   26.9,   31.0,   0.0);   (489756.8,
3617870.2,   26.2,   31.0,   0.0);
     (489734.6, 3617875.0,   26.0,   31.0,   0.0);   (489712.4,
3617879.8,   25.5,   30.6,   0.0);
     (489690.1, 3617884.6,   24.9,   27.4,   0.0);   (489667.9,
3617889.4,   24.6,   27.2,   0.0);
     (489645.6, 3617894.1,   24.4,   27.5,   0.0);   (489623.4,
3617898.9,   25.2,   29.4,   0.0);
     (489601.1, 3617903.7,   28.1,   28.1,   0.0);   (489578.9,
3617908.5,   28.9,   28.9,   0.0);
     (489556.6, 3617913.3,   29.8,   29.8,   0.0);   (489534.4,
3617918.1,   30.9,   30.9,   0.0);
     (489512.1, 3617922.9,   31.5,   31.5,   0.0);   (489489.9,
3617927.7,   31.5,   31.5,   0.0);
     (489467.6, 3617932.5,   31.4,   31.4,   0.0);   (489445.4,
3617937.3,   30.9,   30.9,   0.0);
     (489423.1, 3617942.1,   30.5,   30.5,   0.0);   (489400.9,
3617946.9,   29.9,   29.9,   0.0);
     (489378.6, 3617951.6,   29.3,   29.3,   0.0);   (489356.4,
3617956.4,   28.7,   28.7,   0.0);
     (489334.1, 3617961.2,   28.2,   28.2,   0.0);   (489311.9,
3617966.0,   27.9,   27.9,   0.0);
     (489289.6, 3617970.8,   27.6,   27.6,   0.0);   (489267.4,
3617975.6,   26.7,   26.7,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(489245.1, 3617980.4, 26.0, 26.0, 0.0); (489222.9, 3617985.2, 25.6, 25.6, 0.0);
(489200.7, 3617990.0, 24.6, 24.6, 0.0); (489178.4, 3617994.8, 23.3, 23.3, 0.0);
(489156.2, 3617999.6, 22.7, 22.7, 0.0); (489133.9, 3618004.4, 21.5, 21.5, 0.0);
(489111.7, 3618009.1, 19.9, 19.9, 0.0); (489089.4, 3618013.9, 18.5, 18.5, 0.0);
(489067.2, 3618018.7, 16.7, 17.9, 0.0); (489044.9, 3618023.5, 14.7, 14.7, 0.0);
(489022.7, 3618028.3, 14.2, 25.0, 0.0); (489000.4, 3618033.1, 13.9, 25.2, 0.0);
(488967.0, 3618040.3, 19.3, 25.0, 0.0); (488922.6, 3618049.9, 25.0, 25.0, 0.0);
(488878.1, 3618059.5, 23.8, 23.8, 0.0); (491046.0, 3617589.0, 34.7, 34.7, 0.0);
(489195.5, 3614261.0, 3.3, 3.3, 0.0); (489223.5, 3614267.4, 3.2, 3.2, 0.0);
(489246.8, 3614272.7, 3.5, 3.5, 0.0); (489243.6, 3614247.0, 3.5, 3.5, 0.0);
(489270.8, 3614266.5, 3.6, 3.6, 0.0); (489267.6, 3614240.0, 3.9, 3.9, 0.0);
(489318.8, 3614251.7, 3.8, 3.8, 0.0); (489317.6, 3614276.3, 3.5, 3.5, 0.0);
(489315.0, 3614325.6, 2.9, 2.9, 0.0); (489315.6, 3614226.1, 4.0, 4.0, 0.0);
(489366.8, 3614238.6, 3.0, 3.0, 0.0); (489365.4, 3614264.8, 2.8, 2.8, 0.0);
(489362.0, 3614330.5, 3.3, 3.3, 0.0); (489343.3, 3614376.5, 2.8, 2.8, 0.0);
(489363.6, 3614212.1, 3.9, 3.9, 0.0); (489414.8, 3614225.1, 4.4, 4.4, 0.0);
(489413.4, 3614252.5, 4.5, 4.5, 0.0); (489412.0, 3614279.8, 4.2, 4.2, 0.0);
(489408.4, 3614348.2, 3.7, 3.7, 0.0); (489388.9, 3614396.1, 3.3, 3.3, 0.0);
(489370.8, 3614416.7, 5.0, 6.3, 0.0); (489307.5, 3614488.7, 2.6, 2.6, 0.0);
(489411.6, 3614198.1, 4.6, 4.6, 0.0); (489462.8, 3614210.6, 4.8, 4.8, 0.0);
(489461.5, 3614236.9, 4.3, 4.3, 0.0); (489460.1, 3614263.1, 4.4, 4.4, 0.0);
(489458.7, 3614289.4, 4.1, 4.1, 0.0); (489456.0, 3614341.9, 3.9, 3.9, 0.0);
(489454.0, 3614381.3, 3.9, 3.9, 0.0); (489444.6, 3614404.3, 3.7, 3.7, 0.0);
(489427.3, 3614424.0, 3.5, 3.5, 0.0); (489340.5,

3614522.7,   2.9,   2.9,   0.0);
     (489459.6, 3614184.1,   5.0,   5.0,   0.0);   (489558.8,
3614183.3,   5.9,   5.9,   0.0);
     (489557.3, 3614211.0,   5.9,   5.9,   0.0);   (489555.9,
3614238.6,   5.4,   5.4,   0.0);
     (489554.5, 3614266.3,   5.2,   5.2,   0.0);   (489553.1,
3614293.9,   5.5,   5.5,   0.0);
     (489547.4, 3614404.4,   5.7,   10.6,   0.0);   (489536.8,
3614442.5,   5.7,   10.7,   0.0);
     (489518.5, 3614463.3,   4.8,   10.7,   0.0);   (489500.3,
3614484.0,   4.3,   12.1,   0.0);
     (489472.8, 3614515.2,   3.9,   12.1,   0.0);   (489555.6,
3614156.2,   5.9,   5.9,   0.0);
     (489654.8, 3614155.2,   8.7,   8.7,   0.0);   (489653.4,
3614182.6,   8.2,   10.5,   0.0);
     (489652.0, 3614209.9,   7.7,   10.3,   0.0);   (489650.6,
3614237.3,   9.8,   9.8,   0.0);
     (489649.2, 3614264.6,   8.9,   8.9,   0.0);   (489647.8,
3614292.0,   8.0,   8.0,   0.0);
     (489646.3, 3614319.3,   8.0,   8.0,   0.0);   (489640.7,
3614428.8,   6.5,   8.9,   0.0);
     (489639.3, 3614456.1,   4.8,   10.3,   0.0);   (489629.5,
3614480.1,   5.1,   10.3,   0.0);
     (489611.5, 3614500.6,   7.5,   10.3,   0.0);   (489593.4,
3614521.2,   8.5,   10.3,   0.0);
     (489575.3, 3614541.8,   8.6,   12.1,   0.0);   (489457.7,
3614675.4,   3.3,   13.0,   0.0);
     (489651.6, 3614128.2,   7.2,   10.2,   0.0);   (489750.8,
3614127.2,   6.0,   6.0,   0.0);
     (489749.4, 3614154.4,   5.8,   5.8,   0.0);   (489748.0,
3614181.5,   3.3,   5.7,   0.0);
     (489746.6, 3614208.7,   1.2,   10.5,   0.0);   (489745.2,
3614235.8,   4.0,   4.0,   0.0);
     (489743.8, 3614263.0,   5.3,   5.3,   0.0);   (489742.4,
3614290.2,   4.9,   4.9,   0.0);
     (489741.0, 3614317.3,   4.8,   4.8,   0.0);   (489735.4,
3614426.0,   4.2,   4.2,   0.0);
     (489734.0, 3614453.1,   4.2,   4.2,   0.0);   (489732.6,
3614480.3,   4.1,   4.1,   0.0);
     (489722.2, 3614517.7,   4.0,   4.0,   0.0);   (489704.3,
3614538.1,   3.9,   3.9,   0.0);
     (489686.3, 3614558.5,   3.9,   3.9,   0.0);   (489668.3,
3614578.9,   3.9,   3.9,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(489650.4, 3614599.4, 3.9, 13.1, 0.0); (489632.4, 3614619.8, 3.8, 13.1, 0.0);
(489515.7, 3614752.6, 3.4, 15.0, 0.0); (489747.6, 3614100.2, 6.6, 6.6, 0.0);
(489846.8, 3614099.2, 7.1, 7.1, 0.0); (489845.4, 3614126.2, 7.0, 7.0, 0.0);
(489844.0, 3614153.2, 6.8, 6.8, 0.0); (489842.6, 3614180.3, 6.7, 6.7, 0.0);
(489841.3, 3614207.3, 6.7, 6.7, 0.0); (489839.9, 3614234.3, 6.7, 6.7, 0.0);
(489838.5, 3614261.3, 6.3, 6.3, 0.0); (489837.1, 3614288.4, 6.2, 6.2, 0.0);
(489835.7, 3614315.4, 6.0, 6.0, 0.0); (489834.3, 3614342.4, 5.7, 5.7, 0.0);
(489828.0, 3614464.1, 5.3, 5.3, 0.0); (489826.6, 3614491.1, 5.2, 5.2, 0.0);
(489825.2, 3614518.1, 5.3, 5.3, 0.0); (489814.9, 3614555.3, 5.2, 5.2, 0.0);
(489797.0, 3614575.6, 5.0, 5.0, 0.0); (489779.1, 3614595.9, 4.9, 4.9, 0.0);
(489761.3, 3614616.3, 4.5, 4.5, 0.0); (489743.4, 3614636.6, 4.5, 4.5, 0.0);
(489725.5, 3614656.9, 4.2, 4.2, 0.0); (489707.7, 3614677.2, 4.3, 4.3, 0.0);
(489680.9, 3614707.7, 4.0, 4.0, 0.0); (489591.5, 3614809.4, 9.3, 15.0, 0.0);
(489573.6, 3614829.7, 14.1, 14.1, 0.0); (489843.6, 3614072.3, 7.1, 7.1, 0.0);
(489942.8, 3614071.5, 8.3, 8.3, 0.0); (489941.4, 3614099.2, 8.3, 8.3, 0.0);
(489940.0, 3614126.8, 8.2, 8.2, 0.0); (489938.5, 3614154.4, 7.9, 7.9, 0.0);
(489937.1, 3614182.1, 7.6, 7.6, 0.0); (489935.7, 3614209.7, 7.3, 7.3, 0.0);
(489934.3, 3614237.3, 7.2, 7.2, 0.0); (489932.8, 3614265.0, 7.1, 7.1, 0.0);
(489931.4, 3614292.6, 6.2, 6.2, 0.0); (489930.0, 3614320.3, 6.5, 6.5, 0.0);
(489928.6, 3614347.9, 6.2, 6.2, 0.0); (489926.4, 3614389.4, 5.8, 5.8, 0.0);
(489921.5, 3614486.1, 5.6, 5.6, 0.0); (489920.0, 3614513.7, 5.7, 5.7, 0.0);
(489918.6, 3614541.4, 5.8, 5.8, 0.0); (489917.2, 3614569.0, 5.8, 5.8, 0.0);
(489907.3, 3614593.2, 5.6, 5.6, 0.0); (489889.0,

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3614614.0,       6.1,       6.1,       0.0);
     ( 489870.8, 3614634.8,       6.1,       6.1,       0.0);         ( 489852.5,
3614655.6,       6.0,       6.0,       0.0);
     ( 489834.2, 3614676.3,       5.5,       5.5,       0.0);         ( 489816.0,
3614697.1,       5.8,       5.8,       0.0);
     ( 489797.7, 3614717.9,       5.6,       5.6,       0.0);         ( 489770.3,
3614749.1,       5.0,       5.0,       0.0);
     ( 489678.9, 3614853.0,       4.2,      14.0,       0.0);         ( 489651.5,
3614884.2,       6.6,      14.0,       0.0);
     ( 489633.2, 3614905.0,      10.5,      10.5,       0.0);         ( 489939.6,
3614044.3,       8.8,       8.8,       0.0);
     ( 490134.9, 3614015.5,       2.9,       2.9,       0.0);         ( 490133.5,
3614042.8,       3.0,       3.0,       0.0);
     ( 490132.0, 3614070.2,       3.6,       3.6,       0.0);         ( 490130.6,
3614097.5,       3.6,       3.6,       0.0);
     ( 490129.2, 3614124.9,       3.2,       3.2,       0.0);         ( 490127.8,
3614152.2,       2.5,       2.5,       0.0);
     ( 490126.4, 3614179.6,       1.9,       1.9,       0.0);         ( 490125.0,
3614206.9,       1.8,       1.8,       0.0);
     ( 490123.6, 3614234.3,       1.8,       1.8,       0.0);         ( 490122.2,
3614261.6,       2.4,       2.4,       0.0);
     ( 490120.8, 3614289.0,       2.2,       2.2,       0.0);         ( 490119.3,
3614316.3,       2.3,       2.3,       0.0);
     ( 490117.9, 3614343.7,       2.3,       2.3,       0.0);         ( 490116.5,
3614371.0,       2.4,       8.0,       0.0);
     ( 490115.1, 3614398.4,       2.9,       7.6,       0.0);         ( 490113.7,
3614425.7,       3.5,       7.6,       0.0);
     ( 490109.5, 3614507.8,       3.9,       8.2,       0.0);         ( 490108.1,
3614535.1,       7.5,       7.5,       0.0);
     ( 490106.6, 3614562.5,       8.3,       8.3,       0.0);         ( 490105.2,
3614589.8,       8.6,       8.6,       0.0);
     ( 490103.8, 3614617.2,       8.7,       8.7,       0.0);         ( 490102.4,
3614644.5,       8.5,       8.5,       0.0);
     ( 490092.7, 3614668.5,       8.4,       8.4,       0.0);         ( 490074.6,
3614689.0,       8.7,       8.7,       0.0);
     ( 490056.5, 3614709.6,       8.8,       8.8,       0.0);         ( 490038.4,
3614730.2,       8.8,       8.8,       0.0);
     ( 490020.3, 3614750.8,       8.9,       8.9,       0.0);         ( 490002.2,
3614771.3,       8.8,       8.8,       0.0);
     ( 489984.2, 3614791.9,       8.5,       8.5,       0.0);         ( 489966.1,
3614812.4,       7.8,       7.8,       0.0);
     ( 489948.0, 3614833.0,       7.5,       7.5,       0.0);         ( 489929.9,
3614853.6,       7.4,       7.4,       0.0);
     ( 489812.4, 3614987.3,       6.1,       6.1,       0.0);         ( 489785.2,
3615018.1,       5.7,       5.7,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***       09:06:31
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(489767.2, 3615038.7, 5.4, 5.4, 0.0); (489749.1, 3615059.2, 4.9, 4.9, 0.0);
(489731.0, 3615079.8, 4.9, 12.8, 0.0); (489685.8, 3615131.2, 11.1, 12.8, 0.0);
(490131.7, 3613988.4, 3.1, 3.1, 0.0); (490326.9, 3613959.7, 5.7, 5.7, 0.0);
(490325.5, 3613987.3, 5.6, 5.6, 0.0); (490324.0, 3614015.0, 6.2, 6.2, 0.0);
(490322.6, 3614042.6, 6.2, 6.2, 0.0); (490321.2, 3614070.2, 6.1, 6.1, 0.0);
(490319.8, 3614097.9, 5.9, 5.9, 0.0); (490318.3, 3614125.5, 6.0, 6.0, 0.0);
(490316.9, 3614153.2, 6.1, 6.1, 0.0); (490315.5, 3614180.8, 5.9, 5.9, 0.0);
(490314.0, 3614208.4, 5.7, 5.7, 0.0); (490312.6, 3614236.1, 5.6, 5.6, 0.0);
(490311.2, 3614263.7, 5.0, 5.0, 0.0); (490309.8, 3614291.4, 4.5, 4.5, 0.0);
(490308.3, 3614319.0, 4.0, 4.0, 0.0); (490306.9, 3614346.6, 3.7, 8.6, 0.0);
(490305.5, 3614374.3, 3.3, 8.6, 0.0); (490304.1, 3614401.9, 2.9, 2.9, 0.0);
(490302.6, 3614429.5, 2.8, 2.8, 0.0); (490301.2, 3614457.2, 3.0, 3.0, 0.0);
(490295.5, 3614567.7, 3.2, 3.2, 0.0); (490294.1, 3614595.4, 3.0, 3.0, 0.0);
(490292.7, 3614623.0, 3.1, 3.1, 0.0); (490291.2, 3614650.6, 3.0, 3.0, 0.0);
(490289.8, 3614678.3, 3.1, 3.1, 0.0); (490288.4, 3614705.9, 3.4, 3.4, 0.0);
(490277.8, 3614744.0, 3.9, 3.9, 0.0); (490259.6, 3614764.7, 4.3, 4.3, 0.0);
(490241.3, 3614785.5, 4.5, 4.5, 0.0); (490223.0, 3614806.3, 4.0, 4.0, 0.0);
(490204.7, 3614827.1, 4.2, 4.2, 0.0); (490186.5, 3614847.9, 4.9, 10.8, 0.0);
(490168.2, 3614868.7, 7.9, 10.8, 0.0); (490149.9, 3614889.4, 9.7, 9.7, 0.0);
(490131.6, 3614910.2, 10.2, 10.2, 0.0); (490113.4, 3614931.0, 11.6, 11.6, 0.0);
(490095.1, 3614951.8, 12.1, 12.1, 0.0); (490076.8, 3614972.6, 11.4, 11.4, 0.0);
(490058.5, 3614993.4, 11.4, 11.4, 0.0); (489939.8,

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3615128.4,       9.7,       9.7,       0.0);
     ( 489921.5, 3615149.2,       9.2,       9.2,       0.0);         ( 489903.2,
3615170.0,       9.1,       9.1,       0.0);
     ( 489884.9, 3615190.8,       8.8,       8.8,       0.0);         ( 489866.7,
3615211.6,       8.1,       8.1,       0.0);
     ( 489848.4, 3615232.4,       8.1,       8.1,       0.0);         ( 489784.4,
3615305.1,       6.4,      12.4,       0.0);
     ( 490323.7, 3613932.5,       5.8,       5.8,       0.0);         ( 490518.9,
3613903.7,       5.1,       5.1,       0.0);
     ( 490517.5, 3613931.1,       5.2,       5.2,       0.0);         ( 490516.1,
3613958.5,       5.1,       5.1,       0.0);
     ( 490514.7, 3613986.0,       5.1,       5.1,       0.0);         ( 490513.2,
3614013.4,       5.1,       5.1,       0.0);
     ( 490511.8, 3614040.8,       5.2,       5.2,       0.0);         ( 490510.4,
3614068.3,       5.2,       5.2,       0.0);
     ( 490509.0, 3614095.7,       5.3,       5.3,       0.0);         ( 490507.6,
3614123.1,       5.5,       5.5,       0.0);
     ( 490506.2, 3614150.6,       5.6,       5.6,       0.0);         ( 490504.8,
3614178.0,       5.7,       5.7,       0.0);
     ( 490503.3, 3614205.4,       5.9,       5.9,       0.0);         ( 490501.9,
3614232.9,       6.0,       6.0,       0.0);
     ( 490500.5, 3614260.3,       6.2,       6.2,       0.0);         ( 490499.1,
3614287.7,       6.4,       6.4,       0.0);
     ( 490497.7, 3614315.2,       6.7,       6.7,       0.0);         ( 490496.3,
3614342.6,       7.0,       7.0,       0.0);
     ( 490494.9, 3614370.0,       7.1,       7.1,       0.0);         ( 490493.5,
3614397.5,       7.3,       7.3,       0.0);
     ( 490492.0, 3614424.9,       7.7,       7.7,       0.0);         ( 490490.6,
3614452.3,       8.0,       8.0,       0.0);
     ( 490489.2, 3614479.8,       7.9,       7.9,       0.0);         ( 490487.8,
3614507.2,       8.5,       8.5,       0.0);
     ( 490483.5, 3614589.5,       9.9,       9.9,       0.0);         ( 490481.4,
3614630.6,      10.6,      10.6,       0.0);
     ( 490480.0, 3614658.1,      10.4,      10.4,       0.0);         ( 490478.6,
3614685.5,      11.3,      11.3,       0.0);
     ( 490477.2, 3614712.9,      11.0,      11.0,       0.0);         ( 490475.8,
3614740.4,       9.6,       9.6,       0.0);
     ( 490474.3, 3614767.8,       8.1,       8.1,       0.0);         ( 490472.9,
3614795.2,       6.8,       6.8,       0.0);
     ( 490463.2, 3614819.2,       5.8,       5.8,       0.0);         ( 490445.0,
3614839.9,       3.9,       3.9,       0.0);
     ( 490426.9, 3614860.5,       3.8,       3.8,       0.0);         ( 490408.7,
3614881.1,       3.9,       3.9,       0.0);
     ( 490390.6, 3614901.8,       4.4,       4.4,       0.0);         ( 490372.5,
3614922.4,       4.8,       4.8,       0.0);
     ( 490354.3, 3614943.0,       4.8,       4.8,       0.0);         ( 490336.2,
3614963.6,       6.9,       8.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(490318.0, 3614984.3, 9.5, 9.5, 0.0); (490299.9, 3615004.9, 10.4, 10.4, 0.0);
(490281.8, 3615025.5, 9.7, 9.7, 0.0); (490263.6, 3615046.2, 9.9, 9.9, 0.0);
(490245.5, 3615066.8, 11.4, 11.4, 0.0); (490227.4, 3615087.4, 10.5, 10.5, 0.0);
(490209.2, 3615108.0, 9.3, 11.5, 0.0); (490091.3, 3615242.1, 11.7, 11.7, 0.0);
(490073.2, 3615262.8, 11.7, 11.7, 0.0); (490055.0, 3615283.4, 11.9, 11.9, 0.0);
(490036.9, 3615304.0, 12.0, 12.0, 0.0); (490018.8, 3615324.6, 12.4, 12.4, 0.0);
(490000.6, 3615345.3, 12.3, 12.3, 0.0); (489982.5, 3615365.9, 12.2, 12.2, 0.0);
(489964.4, 3615386.5, 12.2, 12.2, 0.0); (489900.9, 3615458.7, 10.0, 10.0, 0.0);
(489882.7, 3615479.3, 9.8, 9.8, 0.0); (490515.7, 3613876.6, 5.1, 5.1, 0.0);
(490710.9, 3613847.9, 10.8, 10.8, 0.0); (490709.5, 3613875.5, 10.8, 10.8, 0.0);
(490708.1, 3613903.1, 11.1, 11.1, 0.0); (490706.7, 3613930.8, 11.6, 11.6, 0.0);
(490705.2, 3613958.4, 11.7, 11.7, 0.0); (490703.8, 3613986.1, 11.9, 11.9, 0.0);
(490702.4, 3614013.7, 12.0, 12.0, 0.0); (490701.0, 3614041.3, 11.2, 11.2, 0.0);
(490699.5, 3614069.0, 10.4, 10.4, 0.0); (490698.1, 3614096.6, 9.7, 9.7, 0.0);
(490696.7, 3614124.3, 9.3, 9.3, 0.0); (490695.2, 3614151.9, 9.1, 9.1, 0.0);
(490693.8, 3614179.5, 8.9, 8.9, 0.0); (490692.4, 3614207.2, 8.7, 8.7, 0.0);
(490691.0, 3614234.8, 8.8, 8.8, 0.0); (490689.5, 3614262.4, 8.6, 8.6, 0.0);
(490688.1, 3614290.1, 8.8, 8.8, 0.0); (490686.7, 3614317.7, 8.6, 8.6, 0.0);
(490685.3, 3614345.4, 8.8, 8.8, 0.0); (490683.8, 3614373.0, 9.0, 9.0, 0.0);
(490682.4, 3614400.6, 9.2, 9.2, 0.0); (490681.0, 3614428.3, 9.4, 9.4, 0.0);
(490679.6, 3614455.9, 9.7, 9.7, 0.0); (490678.1,

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3614483.5,       9.8,       9.8,       0.0);
     ( 490676.7, 3614511.2,       9.9,       9.9,       0.0);         ( 490675.3,
3614538.8,       9.9,       9.9,       0.0);
     ( 490673.9, 3614566.5,      10.5,      10.5,       0.0);         ( 490669.6,
3614649.4,      11.9,      11.9,       0.0);
     ( 490668.2, 3614677.0,      12.4,      12.4,       0.0);         ( 490666.8,
3614704.7,      12.5,      12.5,       0.0);
     ( 490665.3, 3614732.3,      12.2,      12.2,       0.0);         ( 490663.9,
3614759.9,      12.7,      12.7,       0.0);
     ( 490662.5, 3614787.6,      13.0,      13.0,       0.0);         ( 490661.0,
3614815.2,      13.4,      13.4,       0.0);
     ( 490659.6, 3614842.8,      12.2,      12.2,       0.0);         ( 490658.2,
3614870.5,       9.0,      12.5,       0.0);
     ( 490648.3, 3614894.7,       6.9,      12.5,       0.0);         ( 490630.1,
3614915.5,       6.5,       6.5,       0.0);
     ( 490611.8, 3614936.3,       6.2,       6.2,       0.0);         ( 490593.5,
3614957.0,       6.2,       6.2,       0.0);
     ( 490575.2, 3614977.8,       6.2,       6.2,       0.0);         ( 490557.0,
3614998.6,       5.8,       5.8,       0.0);
     ( 490538.7, 3615019.4,       6.0,       6.0,       0.0);         ( 490520.4,
3615040.2,       7.3,       7.3,       0.0);
     ( 490502.1, 3615061.0,       9.6,       9.6,       0.0);         ( 490483.9,
3615081.7,      11.5,      11.5,       0.0);
     ( 490465.6, 3615102.5,      12.5,      12.5,       0.0);         ( 490447.3,
3615123.3,      14.2,      14.2,       0.0);
     ( 490429.0, 3615144.1,      15.4,      15.4,       0.0);         ( 490410.8,
3615164.9,      15.6,      15.6,       0.0);
     ( 490392.5, 3615185.7,      14.8,      14.8,       0.0);         ( 490374.2,
3615206.4,      14.8,      14.8,       0.0);
     ( 490356.0, 3615227.2,      14.2,      14.2,       0.0);         ( 490255.5,
3615341.5,      13.3,      13.3,       0.0);
     ( 490228.0, 3615372.7,      14.3,      14.3,       0.0);         ( 490209.8,
3615393.5,      14.1,      14.1,       0.0);
     ( 490191.5, 3615414.3,      14.0,      14.0,       0.0);         ( 490173.2,
3615435.1,      14.0,      14.0,       0.0);
     ( 490154.9, 3615455.8,      13.8,      13.8,       0.0);         ( 490136.7,
3615476.6,      13.7,      13.7,       0.0);
     ( 490118.4, 3615497.4,      13.6,      13.6,       0.0);         ( 490100.1,
3615518.2,      13.8,      13.8,       0.0);
     ( 490081.8, 3615539.0,      13.8,      13.8,       0.0);         ( 490063.6,
3615559.8,      14.0,      14.0,       0.0);
     ( 490008.7, 3615622.1,      14.9,      14.9,       0.0);         ( 489990.5,
3615642.9,      14.1,      14.1,       0.0);
     ( 490707.8, 3613820.7,      10.4,      10.4,       0.0);         ( 490903.0,
3613791.9,      19.0,      19.0,       0.0);
     ( 490901.5, 3613819.4,      18.9,      18.9,       0.0);         ( 490900.1,
3613846.8,      18.9,      18.9,       0.0);
     ( 490898.7, 3613874.3,      18.9,      18.9,       0.0);         ( 490897.3,
3613901.8,      18.9,      18.9,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(490895.9, 3613929.3, 18.9, 18.9, 0.0); (490894.5, 3613956.8, 18.6, 18.6, 0.0);
(490893.0, 3613984.2, 18.7, 18.7, 0.0); (490891.6, 3614011.7, 19.7, 19.7, 0.0);
(490890.2, 3614039.2, 19.1, 19.1, 0.0); (490888.8, 3614066.7, 18.8, 18.8, 0.0);
(490887.4, 3614094.1, 18.4, 18.4, 0.0); (490886.0, 3614121.6, 17.9, 17.9, 0.0);
(490884.5, 3614149.1, 17.7, 17.7, 0.0); (490883.1, 3614176.6, 17.8, 17.8, 0.0);
(490881.7, 3614204.0, 17.8, 17.8, 0.0); (490880.3, 3614231.5, 18.2, 18.2, 0.0);
(490878.9, 3614259.0, 17.7, 17.7, 0.0); (490877.5, 3614286.5, 17.6, 17.6, 0.0);
(490876.0, 3614313.9, 17.4, 17.4, 0.0); (490874.6, 3614341.4, 17.2, 17.2, 0.0);
(490873.2, 3614368.9, 16.8, 16.8, 0.0); (490871.8, 3614396.4, 16.4, 16.4, 0.0);
(490870.4, 3614423.9, 16.5, 16.5, 0.0); (490869.0, 3614451.3, 16.5, 16.5, 0.0);
(490867.5, 3614478.8, 15.9, 15.9, 0.0); (490866.1, 3614506.3, 15.4, 15.4, 0.0);
(490864.7, 3614533.8, 15.3, 15.3, 0.0); (490863.3, 3614561.2, 15.0, 15.0, 0.0);
(490861.9, 3614588.7, 14.3, 14.3, 0.0); (490855.5, 3614712.4, 14.0, 14.0, 0.0);
(490854.1, 3614739.8, 14.1, 14.1, 0.0); (490852.7, 3614767.3, 14.4, 14.4, 0.0);
(490851.2, 3614794.8, 14.5, 14.5, 0.0); (490849.8, 3614822.3, 14.5, 14.5, 0.0);
(490848.4, 3614849.8, 14.3, 14.3, 0.0); (490847.0, 3614877.2, 12.6, 12.6, 0.0);
(490845.6, 3614904.7, 12.8, 12.8, 0.0); (490844.1, 3614932.2, 13.9, 13.9, 0.0);
(490833.6, 3614970.0, 14.1, 14.1, 0.0); (490815.5, 3614990.7, 13.1, 13.1, 0.0);
(490797.3, 3615011.3, 12.7, 12.7, 0.0); (490779.1, 3615032.0, 12.4, 12.4, 0.0);
(490761.0, 3615052.6, 11.8, 11.8, 0.0); (490742.8,

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3615073.3,       9.7,      11.6,       0.0);
     ( 490724.6, 3615094.0,       7.0,      11.6,       0.0);         ( 490706.5,
3615114.6,       7.6,       7.6,       0.0);
     ( 490688.3, 3615135.3,       8.0,       8.0,       0.0);         ( 490670.1,
3615156.0,       8.1,       8.1,       0.0);
     ( 490652.0, 3615176.6,       8.2,       8.2,       0.0);         ( 490633.8,
3615197.3,       8.2,       8.2,       0.0);
     ( 490615.6, 3615217.9,       7.6,      13.0,       0.0);         ( 490597.5,
3615238.6,      10.1,      13.0,       0.0);
     ( 490579.3, 3615259.3,      13.0,      13.0,       0.0);         ( 490561.1,
3615279.9,      13.2,      16.2,       0.0);
     ( 490543.0, 3615300.6,      15.7,      15.7,       0.0);         ( 490524.8,
3615321.3,      17.1,      17.1,       0.0);
     ( 490506.6, 3615341.9,      17.1,      17.1,       0.0);         ( 490406.7,
3615455.6,      16.9,      16.9,       0.0);
     ( 490379.5, 3615486.6,      16.7,      16.7,       0.0);         ( 490361.3,
3615507.2,      16.7,      16.7,       0.0);
     ( 490343.1, 3615527.9,      16.7,      16.7,       0.0);         ( 490325.0,
3615548.5,      16.7,      16.7,       0.0);
     ( 490306.8, 3615569.2,      16.5,      16.5,       0.0);         ( 490288.6,
3615589.9,      16.3,      16.3,       0.0);
     ( 490270.4, 3615610.5,      16.1,      16.1,       0.0);         ( 490252.3,
3615631.2,      15.9,      15.9,       0.0);
     ( 490234.1, 3615651.9,      15.9,      15.9,       0.0);         ( 490215.9,
3615672.5,      16.1,      16.1,       0.0);
     ( 490197.8, 3615693.2,      15.9,      15.9,       0.0);         ( 490179.6,
3615713.8,      15.0,      15.0,       0.0);
     ( 490125.1, 3615775.8,      13.0,      13.0,       0.0);         ( 490106.9,
3615796.5,      14.7,      14.7,       0.0);
     ( 490088.8, 3615817.2,      15.6,      15.6,       0.0);         ( 490070.6,
3615837.8,      16.0,      16.0,       0.0);
     ( 490899.8, 3613764.8,      18.8,      18.8,       0.0);         ( 491287.0,
3613680.2,      19.4,      19.4,       0.0);
     ( 491285.6, 3613708.0,      19.1,      19.1,       0.0);         ( 491284.1,
3613735.8,      19.1,      19.1,       0.0);
     ( 491282.7, 3613763.5,      19.1,      19.1,       0.0);         ( 491281.3,
3613791.3,      17.2,      17.2,       0.0);
     ( 491279.8, 3613819.1,      16.5,      16.5,       0.0);         ( 491278.4,
3613846.8,      16.5,      16.5,       0.0);
     ( 491277.0, 3613874.6,      16.7,      16.7,       0.0);         ( 491275.5,
3613902.4,      16.9,      16.9,       0.0);
     ( 491274.1, 3613930.1,      17.3,      17.3,       0.0);         ( 491272.7,
3613957.9,      18.6,      18.6,       0.0);
     ( 491271.2, 3613985.7,      19.2,      19.2,       0.0);         ( 491269.8,
3614013.5,      19.9,      19.9,       0.0);
     ( 491268.4, 3614041.2,      20.7,      20.7,       0.0);         ( 491267.0,
3614069.0,      21.3,      21.3,       0.0);
     ( 491265.5, 3614096.8,      21.8,      21.8,       0.0);         ( 491264.1,
3614124.5,      22.1,      22.1,       0.0);
     ( 491262.7, 3614152.3,      22.2,      22.2,       0.0);         ( 491261.2,
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

     (491259.8, 3614207.9,   23.1,   23.1,   0.0);   (491258.4,
3614235.6,   24.3,   24.3,   0.0);
     (491256.9, 3614263.4,   25.4,   25.4,   0.0);   (491255.5,
3614291.2,   25.9,   25.9,   0.0);
     (491254.1, 3614318.9,   27.1,   27.1,   0.0);   (491252.6,
3614346.7,   27.5,   27.5,   0.0);
     (491251.2, 3614374.5,   27.9,   27.9,   0.0);   (491249.8,
3614402.2,   28.1,   28.1,   0.0);
     (491248.3, 3614430.0,   28.3,   28.3,   0.0);   (491246.9,
3614457.8,   28.5,   28.5,   0.0);
     (491245.5, 3614485.6,   28.6,   28.6,   0.0);   (491244.0,
3614513.3,   28.8,   28.8,   0.0);
     (491242.6, 3614541.1,   29.3,   29.3,   0.0);   (491241.2,
3614568.9,   29.3,   29.3,   0.0);
     (491239.7, 3614596.6,   29.5,   29.5,   0.0);   (491238.3,
3614624.4,   29.4,   29.4,   0.0);
     (491236.9, 3614652.2,   29.7,   29.7,   0.0);   (491235.5,
3614680.0,   30.1,   30.1,   0.0);
     (491234.0, 3614707.7,   30.4,   30.4,   0.0);   (491229.0,
3614804.9,   30.6,   30.6,   0.0);
     (491227.6, 3614832.7,   30.9,   30.9,   0.0);   (491226.1,
3614860.5,   31.3,   31.3,   0.0);
     (491224.7, 3614888.2,   31.6,   31.6,   0.0);   (491223.3,
3614916.0,   31.6,   31.6,   0.0);
     (491221.8, 3614943.8,   31.8,   31.8,   0.0);   (491220.4,
3614971.6,   31.7,   31.7,   0.0);
     (491219.0, 3614999.3,   31.2,   31.2,   0.0);   (491217.5,
3615027.1,   30.2,   30.2,   0.0);
     (491216.1, 3615054.9,   28.9,   28.9,   0.0);   (491214.7,
3615082.6,   28.4,   28.4,   0.0);
     (491204.1, 3615120.8,   27.9,   27.9,   0.0);   (491185.7,
3615141.7,   27.7,   27.7,   0.0);
     (491167.3, 3615162.6,   27.6,   27.6,   0.0);   (491149.0,
3615183.5,   27.3,   27.3,   0.0);
     (491130.6, 3615204.4,   27.2,   27.2,   0.0);   (491112.2,
3615225.3,   27.1,   27.1,   0.0);
     (491093.9, 3615246.1,   26.2,   26.2,   0.0);   (491075.5,

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3615267.0,      25.5,      25.5,       0.0);
     ( 491057.2, 3615287.9,      24.9,      24.9,       0.0);         ( 491038.8,
3615308.8,      16.9,      30.7,       0.0);
     ( 491020.4, 3615329.7,      11.8,      30.7,       0.0);         ( 491002.1,
3615350.6,      11.8,      30.7,       0.0);
     ( 490983.7, 3615371.4,      11.8,      30.7,       0.0);         ( 490965.4,
3615392.3,      11.7,      30.4,       0.0);
     ( 490947.0, 3615413.2,      11.4,      11.4,       0.0);         ( 490928.6,
3615434.1,      11.1,      11.1,       0.0);
     ( 490910.3, 3615455.0,      11.3,      11.3,       0.0);         ( 490891.9,
3615475.9,      11.7,      11.7,       0.0);
     ( 490873.5, 3615496.8,      12.2,      19.0,       0.0);         ( 490855.2,
3615517.6,      14.6,      19.0,       0.0);
     ( 490836.8, 3615538.5,      18.1,      18.1,       0.0);         ( 490818.5,
3615559.4,      18.9,      18.9,       0.0);
     ( 490800.1, 3615580.3,      20.2,      20.2,       0.0);         ( 490671.6,
3615726.5,      21.6,      21.6,       0.0);
     ( 490644.0, 3615757.8,      21.6,      21.6,       0.0);         ( 490625.7,
3615778.7,      21.4,      21.4,       0.0);
     ( 490607.3, 3615799.6,      21.4,      21.4,       0.0);         ( 490588.9,
3615820.4,      21.2,      21.2,       0.0);
     ( 490570.6, 3615841.3,      21.0,      21.0,       0.0);         ( 490552.2,
3615862.2,      20.7,      20.7,       0.0);
     ( 490533.8, 3615883.1,      20.7,      20.7,       0.0);         ( 490515.5,
3615904.0,      20.6,      20.6,       0.0);
     ( 490497.1, 3615924.9,      20.6,      20.6,       0.0);         ( 490478.8,
3615945.7,      20.6,      20.6,       0.0);
     ( 490460.4, 3615966.6,      21.0,      21.0,       0.0);         ( 490442.0,
3615987.5,      21.2,      21.2,       0.0);
     ( 490423.7, 3616008.4,      21.4,      21.4,       0.0);         ( 490405.3,
3616029.3,      21.8,      21.8,       0.0);
     ( 490387.0, 3616050.1,      22.2,      22.2,       0.0);         ( 490350.2,
3616091.9,      22.9,      22.9,       0.0);
     ( 490331.9, 3616112.8,      23.3,      23.3,       0.0);         ( 490313.5,
3616133.7,      23.9,      23.9,       0.0);
     ( 490295.1, 3616154.6,      24.6,      24.6,       0.0);         ( 490276.8,
3616175.4,      25.3,      25.3,       0.0);
     ( 491283.8, 3613653.0,      19.4,      19.4,       0.0);         ( 491671.1,
3613568.4,      15.8,      15.8,       0.0);
     ( 491669.6, 3613596.1,      17.1,      17.1,       0.0);         ( 491668.2,
3613623.9,      18.7,      18.7,       0.0);
     ( 491666.8, 3613651.6,      19.1,      19.1,       0.0);         ( 491665.3,
3613679.4,      19.4,      19.4,       0.0);
     ( 491663.9, 3613707.1,      19.4,      19.4,       0.0);         ( 491662.5,
3613734.9,      19.4,      19.4,       0.0);
     ( 491661.0, 3613762.6,      19.5,      19.5,       0.0);         ( 491659.6,
3613790.4,      19.4,      19.4,       0.0);
     ( 491658.2, 3613818.1,      19.4,      19.4,       0.0);         ( 491656.8,
3613845.9,      19.8,      19.8,       0.0);
     ( 491655.3, 3613873.6,      20.1,      20.1,       0.0);         ( 491653.9,
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3613901.4,   20.2,   20.2,   0.0);
     (491652.5, 3613929.1,   20.4,   20.4,   0.0);   (491651.0,
3613956.9,   20.5,   20.5,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (491649.6, 3613984.6,   20.4,   20.4,   0.0);   (491648.2,
3614012.4,   20.6,   20.6,   0.0);
     (491646.7, 3614040.1,   21.1,   21.1,   0.0);   (491645.3,
3614067.9,   21.7,   21.7,   0.0);
     (491643.9, 3614095.6,   22.4,   22.4,   0.0);   (491642.4,
3614123.4,   22.8,   22.8,   0.0);
     (491641.0, 3614151.1,   23.4,   23.4,   0.0);   (491639.6,
3614178.9,   24.2,   24.2,   0.0);
     (491638.1, 3614206.6,   24.8,   24.8,   0.0);   (491636.7,
3614234.4,   25.6,   25.6,   0.0);
     (491635.3, 3614262.1,   26.2,   26.2,   0.0);   (491633.8,
3614289.9,   26.5,   26.5,   0.0);
     (491632.4, 3614317.6,   26.8,   26.8,   0.0);   (491631.0,
3614345.4,   27.1,   27.1,   0.0);
     (491629.5, 3614373.1,   27.3,   27.3,   0.0);   (491628.1,
3614400.9,   27.4,   27.4,   0.0);
     (491626.7, 3614428.6,   27.0,   27.0,   0.0);   (491625.3,
3614456.4,   26.5,   26.5,   0.0);
     (491623.8, 3614484.1,   26.0,   26.0,   0.0);   (491622.4,
3614511.9,   25.8,   25.8,   0.0);
     (491621.0, 3614539.6,   26.2,   26.2,   0.0);   (491619.5,
3614567.4,   26.2,   26.9,   0.0);
     (491618.1, 3614595.1,   25.7,   25.7,   0.0);   (491616.7,
3614622.9,   25.3,   25.3,   0.0);
     (491615.2, 3614650.6,   25.9,   25.9,   0.0);   (491613.8,
3614678.4,   27.2,   27.2,   0.0);
     (491612.4, 3614706.1,   28.0,   28.0,   0.0);   (491611.0,
3614733.9,   28.2,   28.2,   0.0);
     (491609.5, 3614761.6,   28.6,   28.6,   0.0);   (491608.1,
3614789.4,   29.0,   29.0,   0.0);
     (491603.1, 3614886.5,   28.9,   28.9,   0.0);   (491601.6,
3614914.3,   27.5,   27.5,   0.0);
     (491600.2, 3614942.0,   26.2,   26.2,   0.0);   (491598.8,
3614969.8,   25.6,   25.6,   0.0);
     (491597.3, 3614997.5,   25.2,   25.2,   0.0);   (491595.9,

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3615025.3,      27.0,      27.0,       0.0);
     ( 491594.5, 3615053.0,      27.5,      27.5,       0.0);         ( 491593.1,
3615080.8,      27.4,      27.4,       0.0);
     ( 491591.6, 3615108.5,      27.7,      27.7,       0.0);         ( 491590.2,
3615136.3,      27.8,      27.8,       0.0);
     ( 491588.8, 3615164.0,      28.3,      28.3,       0.0);         ( 491587.3,
3615191.8,      29.6,      29.6,       0.0);
     ( 491585.9, 3615219.5,      30.1,      30.1,       0.0);         ( 491584.5,
3615247.3,      29.9,      29.9,       0.0);
     ( 491574.6, 3615271.6,      29.9,      29.9,       0.0);         ( 491556.2,
3615292.4,      30.1,      30.1,       0.0);
     ( 491537.9, 3615313.3,      30.1,      30.1,       0.0);         ( 491519.5,
3615334.2,      29.0,      29.0,       0.0);
     ( 491501.2, 3615355.1,      27.8,      27.8,       0.0);         ( 491482.8,
3615375.9,      26.2,      26.2,       0.0);
     ( 491464.5, 3615396.8,      23.1,      29.1,       0.0);         ( 491446.1,
3615417.7,      15.2,      31.6,       0.0);
     ( 491427.8, 3615438.5,      14.3,      30.6,       0.0);         ( 491409.4,
3615459.4,      13.8,      29.4,       0.0);
     ( 491391.1, 3615480.3,      13.9,      30.2,       0.0);         ( 491372.8,
3615501.1,      14.4,      30.2,       0.0);
     ( 491354.4, 3615522.0,      14.9,      30.5,       0.0);         ( 491336.0,
3615542.9,      15.1,      30.5,       0.0);
     ( 491317.7, 3615563.7,      15.2,      30.5,       0.0);         ( 491299.3,
3615584.6,      15.1,      29.2,       0.0);
     ( 491281.0, 3615605.5,      14.6,      29.2,       0.0);         ( 491262.7,
3615626.3,      14.0,      14.0,       0.0);
     ( 491244.3, 3615647.2,      14.2,      28.4,       0.0);         ( 491226.0,
3615668.1,      15.3,      28.4,       0.0);
     ( 491207.6, 3615688.9,      16.0,      29.8,       0.0);         ( 491189.3,
3615709.8,      17.2,      29.8,       0.0);
     ( 491170.9, 3615730.7,      18.3,      30.3,       0.0);         ( 491152.6,
3615751.5,      20.4,      30.3,       0.0);
     ( 491134.2, 3615772.4,      20.7,      30.3,       0.0);         ( 491115.9,
3615793.3,      23.1,      27.5,       0.0);
     ( 491097.5, 3615814.1,      25.6,      28.0,       0.0);         ( 491079.2,
3615835.0,      28.2,      28.2,       0.0);
     ( 490932.4, 3616001.9,      26.4,      26.4,       0.0);         ( 490914.0,
3616022.8,      26.1,      26.1,       0.0);
     ( 490895.7, 3616043.7,      25.7,      25.7,       0.0);         ( 490877.3,
3616064.6,      25.5,      25.5,       0.0);
     ( 490859.0, 3616085.4,      25.3,      25.3,       0.0);         ( 490840.6,
3616106.3,      24.5,      24.5,       0.0);
     ( 490822.3, 3616127.2,      23.6,      23.6,       0.0);         ( 490803.9,
3616148.0,      23.1,      23.1,       0.0);
     ( 490785.6, 3616168.9,      22.6,      22.6,       0.0);         ( 490767.2,
3616189.8,      21.7,      21.7,       0.0);
     ( 490748.9, 3616210.6,      21.1,      21.1,       0.0);         ( 490730.5,
3616231.5,      20.7,      20.7,       0.0);
     ( 490712.2, 3616252.4,      20.4,      20.4,       0.0);         ( 490693.8,
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3616273.2,   19.9,   19.9,   0.0);
     (490675.5, 3616294.1,   19.2,   19.2,   0.0);   (490657.1,
3616315.0,   18.2,   18.2,   0.0);
     (490638.8, 3616335.8,   16.7,   21.7,   0.0);   (490620.5,
3616356.7,   16.2,   21.7,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (490556.2, 3616429.7,   14.1,   14.1,   0.0);   (490537.9,
3616450.6,   13.7,   13.7,   0.0);
     (490519.5, 3616471.5,   13.6,   13.6,   0.0);   (490501.2,
3616492.3,   13.3,   13.3,   0.0);
     (490482.8, 3616513.2,   13.1,   13.1,   0.0);   (491667.9,
3613541.1,   15.4,   15.4,   0.0);
     (492055.1, 3613456.5,   12.3,   16.3,   0.0);   (492053.7,
3613484.3,   13.3,   16.3,   0.0);
     (492052.2, 3613512.0,   8.4,   16.3,   0.0);   (492050.8,
3613539.8,   6.0,   16.3,   0.0);
     (492049.4, 3613567.5,   6.6,   16.3,   0.0);   (492048.0,
3613595.2,   7.6,   7.6,   0.0);
     (492046.5, 3613622.9,   8.5,   8.5,   0.0);   (492045.1,
3613650.7,   9.4,   9.4,   0.0);
     (492043.7, 3613678.4,   9.7,   9.7,   0.0);   (492042.2,
3613706.2,   9.8,   21.6,   0.0);
     (492040.8, 3613733.9,   12.1,   21.6,   0.0);   (492039.4,
3613761.6,   14.3,   20.7,   0.0);
     (492038.0, 3613789.4,   13.3,   21.6,   0.0);   (492036.5,
3613817.1,   10.6,   32.7,   0.0);
     (492035.1, 3613844.8,   8.4,   34.6,   0.0);   (492033.6,
3613872.6,   7.2,   34.6,   0.0);
     (492032.2, 3613900.3,   7.0,   34.6,   0.0);   (492030.8,
3613928.0,   7.3,   34.8,   0.0);
     (492029.4, 3613955.8,   7.4,   35.7,   0.0);   (492027.9,
3613983.5,   7.0,   37.7,   0.0);
     (492026.5, 3614011.2,   7.8,   37.7,   0.0);   (492025.1,
3614039.0,   7.9,   37.7,   0.0);
     (492023.6, 3614066.7,   8.2,   37.7,   0.0);   (492022.2,
3614094.5,   8.5,   37.7,   0.0);
     (492020.8, 3614122.2,   9.3,   37.7,   0.0);   (492019.3,
3614149.9,   10.1,   37.7,   0.0);
     (492017.9, 3614177.7,   10.6,   37.7,   0.0);   (492016.5,

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3614205.4,      12.9,      37.7,       0.0);
     ( 492015.1, 3614233.1,      16.2,      37.7,       0.0);         ( 492013.6,
3614260.9,      19.2,      37.7,       0.0);
     ( 492012.2, 3614288.6,      24.1,      37.7,       0.0);         ( 492010.8,
3614316.3,      25.4,      37.7,       0.0);
     ( 492009.3, 3614344.1,      23.5,      37.7,       0.0);         ( 492007.9,
3614371.8,      25.3,      37.6,       0.0);
     ( 492006.5, 3614399.5,      28.7,      36.1,       0.0);         ( 492005.0,
3614427.3,      30.7,      32.9,       0.0);
     ( 492003.6, 3614455.0,      30.5,      34.9,       0.0);         ( 492002.2,
3614482.8,      28.7,      34.9,       0.0);
     ( 492000.8, 3614510.5,      25.6,      35.9,       0.0);         ( 491999.3,
3614538.2,      21.8,      36.2,       0.0);
     ( 491997.9, 3614566.0,      23.6,      35.0,       0.0);         ( 491996.5,
3614593.7,      23.0,      35.0,       0.0);
     ( 491995.0, 3614621.4,      21.1,      35.0,       0.0);         ( 491993.6,
3614649.2,      20.5,      35.0,       0.0);
     ( 491992.2, 3614676.9,      21.1,      34.9,       0.0);         ( 491990.7,
3614704.6,      21.6,      34.7,       0.0);
     ( 491989.3, 3614732.4,      21.4,      34.6,       0.0);         ( 491987.9,
3614760.1,      21.2,      34.3,       0.0);
     ( 491986.5, 3614787.8,      21.6,      34.0,       0.0);         ( 491985.0,
3614815.6,      21.8,      34.0,       0.0);
     ( 491983.6, 3614843.3,      21.6,      34.0,       0.0);         ( 491982.2,
3614871.0,      21.9,      34.0,       0.0);
     ( 491976.4, 3614982.0,      30.5,      30.5,       0.0);         ( 491975.0,
3615009.7,      31.3,      34.4,       0.0);
     ( 491973.6, 3615037.5,      33.4,      33.4,       0.0);         ( 491972.1,
3615065.2,      32.7,      32.7,       0.0);
     ( 491970.7, 3615092.9,      32.6,      32.6,       0.0);         ( 491969.3,
3615120.7,      32.8,      32.8,       0.0);
     ( 491967.9, 3615148.4,      32.1,      32.1,       0.0);         ( 491966.4,
3615176.1,      31.6,      31.6,       0.0);
     ( 491965.0, 3615203.9,      31.0,      31.0,       0.0);         ( 491963.6,
3615231.6,      30.1,      30.1,       0.0);
     ( 491962.1, 3615259.3,      28.6,      28.6,       0.0);         ( 491960.7,
3615287.1,      26.1,      27.3,       0.0);
     ( 491959.3, 3615314.8,      22.8,      28.3,       0.0);         ( 491957.8,
3615342.5,      20.9,      28.3,       0.0);
     ( 491956.4, 3615370.3,      18.2,      32.1,       0.0);         ( 491955.0,
3615398.0,      21.1,      21.1,       0.0);
     ( 491945.1, 3615422.3,      21.1,      21.1,       0.0);         ( 491926.8,
3615443.2,      20.9,      20.9,       0.0);
     ( 491908.4, 3615464.0,      21.2,      27.9,       0.0);         ( 491890.1,
3615484.9,      21.3,      27.9,       0.0);
     ( 491871.7, 3615505.7,      23.5,      26.2,       0.0);         ( 491853.4,
3615526.6,      26.3,      26.3,       0.0);
     ( 491835.1, 3615547.5,      27.0,      27.0,       0.0);         ( 491816.7,
3615568.3,      26.8,      26.8,       0.0);
     ( 491798.4, 3615589.2,      24.2,      28.5,       0.0);         ( 491780.0,
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3615610.0,   22.7,   32.9,   0.0);
     (491761.7, 3615630.9,   23.0,   32.9,   0.0);   (491743.4,
3615651.7,   24.0,   24.0,   0.0);
     (491725.0, 3615672.6,   25.8,   25.8,   0.0);   (491706.7,
3615693.4,   27.7,   27.7,   0.0);
     (491688.4, 3615714.3,   28.3,   28.3,   0.0);   (491670.0,
3615735.2,   23.9,   30.2,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (491651.7, 3615756.0,   19.2,   32.6,   0.0);   (491633.3,
3615776.9,   19.0,   31.7,   0.0);
     (491615.0, 3615797.7,   18.9,   18.9,   0.0);   (491596.7,
3615818.6,   18.8,   18.8,   0.0);
     (491578.3, 3615839.4,   18.6,   18.6,   0.0);   (491560.0,
3615860.3,   18.2,   18.2,   0.0);
     (491541.6, 3615881.2,   18.1,   27.0,   0.0);   (491523.3,
3615902.0,   18.7,   30.2,   0.0);
     (491505.0, 3615922.9,   20.9,   30.4,   0.0);   (491486.6,
3615943.7,   24.7,   24.7,   0.0);
     (491468.3, 3615964.6,   26.2,   26.2,   0.0);   (491450.0,
3615985.4,   27.7,   27.7,   0.0);
     (491431.6, 3616006.3,   27.6,   27.6,   0.0);   (491413.3,
3616027.1,   27.9,   27.9,   0.0);
     (491394.9, 3616048.0,   28.2,   28.2,   0.0);   (491376.6,
3616068.9,   27.4,   27.4,   0.0);
     (491358.3, 3616089.7,   26.9,   26.9,   0.0);   (491339.9,
3616110.6,   28.1,   28.1,   0.0);
     (491220.7, 3616246.1,   26.9,   26.9,   0.0);   (491202.4,
3616267.0,   27.0,   27.0,   0.0);
     (491184.0, 3616287.9,   25.6,   25.6,   0.0);   (491165.7,
3616308.7,   24.4,   24.4,   0.0);
     (491147.4, 3616329.6,   22.4,   22.4,   0.0);   (491129.0,
3616350.4,   21.6,   21.6,   0.0);
     (491110.7, 3616371.3,   21.3,   21.3,   0.0);   (491092.3,
3616392.1,   20.6,   20.6,   0.0);
     (491074.0, 3616413.0,   18.6,   18.6,   0.0);   (491055.7,
3616433.8,   18.6,   18.6,   0.0);
     (491037.3, 3616454.7,   17.2,   17.2,   0.0);   (491019.0,
3616475.6,   16.8,   16.8,   0.0);
     (491000.6, 3616496.4,   16.6,   19.7,   0.0);   (490982.3,

3616517.3,   16.4,   16.4,   0.0);
     (490964.0, 3616538.1,   17.2,   17.2,   0.0);   (490945.6,
3616559.0,   17.5,   20.3,   0.0);
     (490927.3, 3616579.8,   16.5,   26.1,   0.0);   (490909.0,
3616600.7,   16.2,   26.1,   0.0);
     (490890.6, 3616621.6,   15.6,   26.1,   0.0);   (490872.3,
3616642.4,   15.2,   26.1,   0.0);
     (490853.9, 3616663.3,   15.9,   15.9,   0.0);   (490835.6,
3616684.1,   18.0,   18.0,   0.0);
     (490780.6, 3616746.7,   21.0,   21.0,   0.0);   (490762.2,
3616767.6,   20.4,   20.4,   0.0);
     (490743.9, 3616788.4,   20.3,   20.3,   0.0);   (490725.6,
3616809.3,   16.6,   20.4,   0.0);
     (490707.2, 3616830.1,   16.3,   16.3,   0.0);   (490688.9,
3616851.0,   17.2,   29.8,   0.0);
     (490670.6, 3616871.8,   19.8,   29.8,   0.0);   (492051.9,
3613429.3,   4.5,   16.3,   0.0);
     (492439.2, 3613344.7,   2.1,   34.2,   0.0);   (492437.7,
3613372.4,   1.9,   34.2,   0.0);
     (492436.3, 3613400.2,   2.5,   33.2,   0.0);   (492434.9,
3613427.9,   8.1,   14.5,   0.0);
     (492433.4, 3613455.6,   12.5,   13.2,   0.0);   (492432.0,
3613483.3,   14.1,   14.1,   0.0);
     (492430.6, 3613511.1,   13.5,   13.5,   0.0);   (492429.1,
3613538.8,   10.4,   15.9,   0.0);
     (492427.7, 3613566.5,   8.3,   15.9,   0.0);   (492426.3,
3613594.2,   7.9,   7.9,   0.0);
     (492424.9, 3613621.9,   7.2,   7.2,   0.0);   (492423.4,
3613649.7,   7.7,   7.7,   0.0);
     (492422.0, 3613677.4,   8.2,   8.2,   0.0);   (492420.6,
3613705.1,   8.1,   8.1,   0.0);
     (492419.1, 3613732.8,   7.6,   7.6,   0.0);   (492417.7,
3613760.6,   7.3,   20.4,   0.0);
     (492416.3, 3613788.3,   8.1,   27.0,   0.0);   (492414.9,
3613816.0,   9.2,   30.5,   0.0);
     (492413.4, 3613843.7,   9.7,   33.9,   0.0);   (492412.0,
3613871.5,   10.0,   38.8,   0.0);
     (492410.6, 3613899.2,   10.6,   38.8,   0.0);   (492409.1,
3613926.9,   11.4,   38.8,   0.0);
     (492407.7, 3613954.6,   12.7,   38.8,   0.0);   (492406.3,
3613982.4,   14.8,   38.8,   0.0);
     (492404.8, 3614010.1,   17.9,   38.8,   0.0);   (492403.4,
3614037.8,   21.9,   38.8,   0.0);
     (492402.0, 3614065.5,   24.8,   38.8,   0.0);   (492400.6,
3614093.3,   27.2,   38.8,   0.0);
     (492399.1, 3614121.0,   29.1,   38.8,   0.0);   (492397.7,
3614148.7,   30.5,   38.8,   0.0);
     (492396.3, 3614176.4,   31.7,   38.4,   0.0);   (492394.8,
3614204.1,   31.7,   31.7,   0.0);
     (492393.4, 3614231.9,   30.6,   30.6,   0.0);   (492392.0,

3614259.6, 28.9, 31.0, 0.0);
 (492390.5, 3614287.3, 28.5, 31.6, 0.0); (492389.1,
3614315.0, 29.0, 31.9, 0.0);
 (492387.7, 3614342.8, 29.0, 32.1, 0.0); (492386.3,
3614370.5, 29.3, 44.2, 0.0);
 (492384.8, 3614398.2, 30.1, 44.2, 0.0); (492383.4,
3614425.9, 30.2, 44.2, 0.0);
 (492382.0, 3614453.7, 29.1, 45.1, 0.0); (492380.5,
3614481.4, 27.7, 48.2, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

 (492379.1, 3614509.1, 27.0, 48.2, 0.0); (492377.7,
3614536.8, 27.0, 50.1, 0.0);
 (492376.2, 3614564.6, 25.3, 50.4, 0.0); (492374.8,
3614592.3, 25.3, 50.4, 0.0);
 (492373.4, 3614620.0, 25.1, 50.4, 0.0); (492372.0,
3614647.7, 24.5, 50.4, 0.0);
 (492370.5, 3614675.5, 24.1, 50.4, 0.0); (492369.1,
3614703.2, 23.9, 50.4, 0.0);
 (492367.7, 3614730.9, 24.0, 50.4, 0.0); (492366.2,
3614758.6, 24.9, 50.4, 0.0);
 (492364.8, 3614786.4, 25.9, 50.3, 0.0); (492363.4,
3614814.1, 26.6, 50.3, 0.0);
 (492362.0, 3614841.8, 29.8, 50.3, 0.0); (492360.5,
3614869.5, 33.1, 50.3, 0.0);
 (492359.1, 3614897.2, 36.1, 47.3, 0.0); (492357.7,
3614925.0, 39.5, 45.0, 0.0);
 (492356.2, 3614952.7, 41.7, 41.7, 0.0); (492350.5,
3615063.6, 39.6, 40.4, 0.0);
 (492349.1, 3615091.3, 39.5, 40.3, 0.0); (492347.6,
3615119.0, 39.4, 39.4, 0.0);
 (492346.2, 3615146.8, 39.7, 39.7, 0.0); (492344.8,
3615174.5, 39.4, 39.4, 0.0);
 (492343.4, 3615202.2, 38.7, 38.7, 0.0); (492341.9,
3615229.9, 38.4, 38.4, 0.0);
 (492340.5, 3615257.7, 38.3, 38.3, 0.0); (492339.1,
3615285.4, 37.8, 37.8, 0.0);
 (492337.6, 3615313.1, 36.5, 36.5, 0.0); (492336.2,
3615340.8, 34.8, 37.5, 0.0);
 (492334.8, 3615368.6, 33.9, 39.0, 0.0); (492333.4,

3615396.3,   32.6,   39.0,   0.0);
     (492331.9, 3615424.0,   31.4,   39.0,   0.0);   (492330.5,
3615451.7,   29.6,   35.2,   0.0);
     (492329.1, 3615479.5,   28.2,   28.2,   0.0);   (492327.6,
3615507.2,   26.9,   36.5,   0.0);
     (492326.2, 3615534.9,   26.3,   38.4,   0.0);   (492315.6,
3615573.0,   26.5,   38.2,   0.0);
     (492297.3, 3615593.9,   26.2,   38.2,   0.0);   (492279.0,
3615614.8,   25.4,   39.3,   0.0);
     (492260.6, 3615635.6,   25.7,   39.5,   0.0);   (492242.3,
3615656.4,   27.8,   39.5,   0.0);
     (492224.0, 3615677.3,   30.9,   39.5,   0.0);   (492205.6,
3615698.1,   32.4,   39.5,   0.0);
     (492187.3, 3615719.0,   35.3,   39.5,   0.0);   (492169.0,
3615739.8,   37.8,   37.8,   0.0);
     (492150.6, 3615760.7,   39.3,   39.3,   0.0);   (492132.3,
3615781.5,   39.0,   39.0,   0.0);
     (492114.0, 3615802.4,   38.2,   38.2,   0.0);   (492095.6,
3615823.2,   36.7,   39.1,   0.0);
     (492077.3, 3615844.1,   34.6,   34.6,   0.0);   (492059.0,
3615864.9,   31.8,   37.1,   0.0);
     (492040.6, 3615885.8,   28.5,   39.1,   0.0);   (492022.3,
3615906.6,   25.8,   39.1,   0.0);
     (492004.0, 3615927.5,   23.9,   38.3,   0.0);   (491985.6,
3615948.3,   23.2,   37.1,   0.0);
     (491967.3, 3615969.2,   22.9,   22.9,   0.0);   (491949.0,
3615990.0,   22.5,   22.5,   0.0);
     (491930.7, 3616010.8,   22.1,   22.1,   0.0);   (491912.3,
3616031.7,   22.0,   28.7,   0.0);
     (491894.0, 3616052.5,   21.5,   28.7,   0.0);   (491875.7,
3616073.4,   22.6,   28.7,   0.0);
     (491857.3, 3616094.2,   23.2,   41.6,   0.0);   (491839.0,
3616115.1,   26.1,   41.6,   0.0);
     (491820.7, 3616135.9,   26.3,   41.6,   0.0);   (491802.3,
3616156.8,   27.4,   42.0,   0.0);
     (491784.0, 3616177.6,   27.8,   42.0,   0.0);   (491765.7,
3616198.5,   27.7,   42.0,   0.0);
     (491747.3, 3616219.3,   27.4,   42.0,   0.0);   (491729.0,
3616240.2,   27.1,   42.0,   0.0);
     (491710.7, 3616261.0,   27.1,   42.0,   0.0);   (491692.3,
3616281.9,   27.6,   40.5,   0.0);
     (491674.0, 3616302.7,   28.1,   39.4,   0.0);   (491655.7,
3616323.6,   27.9,   39.3,   0.0);
     (491509.0, 3616490.3,   28.0,   31.9,   0.0);   (491490.7,
3616511.2,   27.6,   32.6,   0.0);
     (491472.4, 3616532.0,   27.8,   33.2,   0.0);   (491454.0,
3616552.9,   29.1,   33.6,   0.0);
     (491435.7, 3616573.8,   29.6,   34.8,   0.0);   (491417.4,
3616594.6,   31.5,   34.8,   0.0);
     (491399.1, 3616615.4,   33.5,   33.5,   0.0);   (491380.7,

3616636.3,   34.3,   34.3,   0.0);
     (491362.4, 3616657.1,   29.9,   39.6,   0.0);   (491344.1,
3616678.0,   32.9,   39.6,   0.0);
     (491325.7, 3616698.8,   37.3,   37.3,   0.0);   (491307.4,
3616719.7,   38.1,   39.6,   0.0);
     (491289.1, 3616740.5,   38.5,   40.9,   0.0);   (491270.7,
3616761.4,   36.9,   40.9,   0.0);
     (491252.4, 3616782.2,   37.1,   39.8,   0.0);   (491234.1,
3616803.1,   33.9,   39.8,   0.0);
     (491215.8, 3616823.9,   34.6,   34.6,   0.0);   (491197.4,
3616844.8,   34.9,   34.9,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (491179.1, 3616865.6,   35.4,   35.4,   0.0);   (491160.8,
3616886.5,   35.6,   35.6,   0.0);
     (491142.4, 3616907.3,   34.2,   34.2,   0.0);   (491124.1,
3616928.2,   27.6,   36.4,   0.0);
     (491105.8, 3616949.0,   27.7,   38.2,   0.0);   (491087.4,
3616969.8,   27.3,   38.2,   0.0);
     (491069.1, 3616990.7,   28.5,   38.2,   0.0);   (491004.9,
3617063.7,   33.9,   33.9,   0.0);
     (490986.6, 3617084.5,   26.2,   34.0,   0.0);   (490968.3,
3617105.4,   18.8,   38.3,   0.0);
     (490949.9, 3617126.2,   19.0,   38.3,   0.0);   (490931.6,
3617147.1,   24.7,   24.7,   0.0);
     (490913.3, 3617167.9,   25.8,   25.8,   0.0);   (490895.0,
3617188.8,   26.1,   26.1,   0.0);
     (490876.6, 3617209.6,   26.7,   26.7,   0.0);   (492436.0,
3613317.5,   5.5,   34.2,   0.0);
     (492823.2, 3613232.9,   7.3,   22.8,   0.0);   (492821.8,
3613260.6,   12.1,   19.0,   0.0);
     (492820.4, 3613288.3,   16.4,   19.0,   0.0);   (492818.9,
3613316.0,   17.8,   19.0,   0.0);
     (492817.5, 3613343.7,   17.4,   22.8,   0.0);   (492816.1,
3613371.5,   20.9,   22.8,   0.0);
     (492814.6, 3613399.2,   11.7,   22.8,   0.0);   (492813.2,
3613426.9,   11.4,   22.8,   0.0);
     (492811.8, 3613454.6,   11.1,   22.8,   0.0);   (492810.3,
3613482.3,   11.2,   19.8,   0.0);
     (492808.9, 3613510.0,   11.5,   20.1,   0.0);   (492807.5,

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3613537.8,      11.9,      20.8,       0.0);
     ( 492806.1, 3613565.5,      12.5,      20.9,       0.0);         ( 492804.6,
3613593.2,      13.6,      20.9,       0.0);
     ( 492803.2, 3613620.9,      15.9,      20.9,       0.0);         ( 492801.8,
3613648.6,      19.5,      19.5,       0.0);
     ( 492800.3, 3613676.3,      17.4,      18.0,       0.0);         ( 492798.9,
3613704.0,      12.1,      42.6,       0.0);
     ( 492797.5, 3613731.8,      19.4,      20.9,       0.0);         ( 492796.1,
3613759.5,      17.4,      42.6,       0.0);
     ( 492794.6, 3613787.2,      18.8,      42.6,       0.0);         ( 492793.2,
3613814.9,      20.6,      42.6,       0.0);
     ( 492791.8, 3613842.6,      22.9,      42.6,       0.0);         ( 492790.3,
3613870.3,      25.4,      42.6,       0.0);
     ( 492788.9, 3613898.0,      26.5,      42.9,       0.0);         ( 492787.5,
3613925.8,      26.2,      42.9,       0.0);
     ( 492786.0, 3613953.5,      26.4,      42.9,       0.0);         ( 492784.6,
3613981.2,      23.9,      42.9,       0.0);
     ( 492783.2, 3614008.9,      20.9,      44.8,       0.0);         ( 492781.8,
3614036.6,      21.3,      44.8,       0.0);
     ( 492780.3, 3614064.3,      25.5,      44.8,       0.0);         ( 492778.9,
3614092.0,      29.9,      44.8,       0.0);
     ( 492777.5, 3614119.8,      33.5,      44.8,       0.0);         ( 492776.0,
3614147.5,      36.4,      44.8,       0.0);
     ( 492774.6, 3614175.2,      38.6,      44.8,       0.0);         ( 492773.2,
3614202.9,      41.2,      44.8,       0.0);
     ( 492771.8, 3614230.6,      44.8,      44.8,       0.0);         ( 492770.3,
3614258.3,      44.5,      44.5,       0.0);
     ( 492768.9, 3614286.0,      41.9,      44.7,       0.0);         ( 492767.5,
3614313.8,      39.6,      39.6,       0.0);
     ( 492766.0, 3614341.5,      36.7,      42.0,       0.0);         ( 492764.6,
3614369.2,      32.6,      44.7,       0.0);
     ( 492763.2, 3614396.9,      27.6,      46.8,       0.0);         ( 492761.8,
3614424.6,      24.8,      50.0,       0.0);
     ( 492760.3, 3614452.3,      25.1,      50.0,       0.0);         ( 492758.9,
3614480.0,      26.3,      50.0,       0.0);
     ( 492757.5, 3614507.8,      27.7,      50.0,       0.0);         ( 492756.0,
3614535.5,      28.1,      50.4,       0.0);
     ( 492754.6, 3614563.2,      28.4,      50.4,       0.0);         ( 492753.2,
3614590.9,      28.8,      50.4,       0.0);
     ( 492751.8, 3614618.6,      29.6,      50.4,       0.0);         ( 492750.3,
3614646.3,      30.1,      50.4,       0.0);
     ( 492748.9, 3614674.1,      30.5,      50.4,       0.0);         ( 492747.5,
3614701.8,      31.5,      50.4,       0.0);
     ( 492746.0, 3614729.5,      31.8,      50.4,       0.0);         ( 492744.6,
3614757.2,      30.1,      50.4,       0.0);
     ( 492743.2, 3614784.9,      30.4,      50.4,       0.0);         ( 492741.7,
3614812.6,      31.6,      49.8,       0.0);
     ( 492740.3, 3614840.3,      34.9,      48.7,       0.0);         ( 492738.9,
3614868.1,      34.2,      49.8,       0.0);
     ( 492737.5, 3614895.8,      33.3,      49.8,       0.0);         ( 492736.0,
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3614923.5,   33.3,   49.8,   0.0);
     (492734.6, 3614951.2,   33.2,   35.2,   0.0);   (492733.2,
3614978.9,   32.7,   32.7,   0.0);
     (492731.7, 3615006.6,   32.7,   32.7,   0.0);   (492730.3,
3615034.3,   34.1,   34.1,   0.0);
     (492724.6, 3615145.2,   39.5,   39.5,   0.0);   (492723.2,
3615172.9,   39.8,   39.8,   0.0);
     (492721.7, 3615200.6,   40.4,   40.4,   0.0);   (492720.3,
3615228.4,   41.1,   41.1,   0.0);
     (492718.9, 3615256.1,   40.9,   40.9,   0.0);   (492717.4,
3615283.8,   38.7,   40.6,   0.0);
     (492716.0, 3615311.5,   33.8,   41.4,   0.0);   (492714.6,
3615339.2,   34.4,   41.3,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (492713.1, 3615366.9,   35.6,   41.3,   0.0);   (492711.7,
3615394.6,   39.0,   40.4,   0.0);
     (492710.3, 3615422.4,   39.3,   39.3,   0.0);   (492708.9,
3615450.1,   39.6,   39.6,   0.0);
     (492707.4, 3615477.8,   40.0,   40.0,   0.0);   (492706.0,
3615505.5,   40.4,   40.4,   0.0);
     (492704.6, 3615533.2,   40.9,   40.9,   0.0);   (492703.1,
3615560.9,   41.8,   41.8,   0.0);
     (492701.7, 3615588.6,   42.3,   42.3,   0.0);   (492700.3,
3615616.4,   42.3,   42.3,   0.0);
     (492698.9, 3615644.1,   38.5,   42.9,   0.0);   (492697.4,
3615671.8,   34.1,   43.8,   0.0);
     (492696.0, 3615699.5,   35.4,   42.2,   0.0);   (492686.1,
3615723.8,   36.5,   36.5,   0.0);
     (492667.8, 3615744.6,   34.9,   40.1,   0.0);   (492649.5,
3615765.5,   34.2,   41.0,   0.0);
     (492631.1, 3615786.3,   33.4,   38.0,   0.0);   (492612.8,
3615807.1,   32.9,   32.9,   0.0);
     (492594.5, 3615828.0,   32.2,   32.2,   0.0);   (492576.2,
3615848.8,   31.8,   31.8,   0.0);
     (492557.8, 3615869.7,   31.2,   31.2,   0.0);   (492539.5,
3615890.5,   31.1,   31.1,   0.0);
     (492521.2, 3615911.4,   30.7,   30.7,   0.0);   (492502.9,
3615932.2,   30.5,   30.5,   0.0);
     (492484.5, 3615953.0,   30.4,   30.4,   0.0);   (492466.2,

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3615973.9,      30.2,      30.2,       0.0);
     ( 492447.9, 3615994.7,      29.8,      29.8,       0.0);         ( 492429.6,
3616015.6,      29.1,      29.1,       0.0);
     ( 492411.2, 3616036.4,      29.1,      29.1,       0.0);         ( 492392.9,
3616057.2,      29.3,      29.3,       0.0);
     ( 492374.6, 3616078.1,      29.7,      29.7,       0.0);         ( 492356.3,
3616098.9,      29.9,      30.9,       0.0);
     ( 492338.0, 3616119.8,      29.5,      29.5,       0.0);         ( 492319.6,
3616140.6,      29.3,      29.3,       0.0);
     ( 492301.3, 3616161.4,      27.6,      31.8,       0.0);         ( 492283.0,
3616182.3,      27.2,      27.2,       0.0);
     ( 492264.6, 3616203.1,      27.4,      27.4,       0.0);         ( 492246.3,
3616224.0,      27.9,      36.4,       0.0);
     ( 492228.0, 3616244.8,      29.9,      43.6,       0.0);         ( 492209.7,
3616265.6,      31.0,      43.6,       0.0);
     ( 492191.3, 3616286.5,      32.3,      44.1,       0.0);         ( 492173.0,
3616307.3,      33.9,      44.1,       0.0);
     ( 492154.7, 3616328.2,      37.3,      44.1,       0.0);         ( 492136.4,
3616349.0,      42.1,      43.6,       0.0);
     ( 492118.0, 3616369.9,      43.0,      43.0,       0.0);         ( 492099.7,
3616390.7,      42.6,      42.6,       0.0);
     ( 492081.4, 3616411.5,      42.2,      42.2,       0.0);         ( 492063.1,
3616432.4,      39.6,      41.8,       0.0);
     ( 492044.8, 3616453.2,      37.9,      37.9,       0.0);         ( 492026.4,
3616474.1,      37.3,      37.3,       0.0);
     ( 492008.1, 3616494.9,      35.5,      35.5,       0.0);         ( 491989.8,
3616515.7,      33.4,      37.5,       0.0);
     ( 491971.5, 3616536.6,      33.0,      33.0,       0.0);         ( 491953.1,
3616557.4,      32.5,      32.5,       0.0);
     ( 491934.8, 3616578.3,      32.1,      32.1,       0.0);         ( 491806.5,
3616724.1,      31.7,      31.7,       0.0);
     ( 491788.2, 3616745.0,      32.5,      32.5,       0.0);         ( 491769.9,
3616765.8,      34.5,      34.5,       0.0);
     ( 491751.5, 3616786.7,      35.7,      35.7,       0.0);         ( 491733.2,
3616807.5,      36.0,      36.0,       0.0);
     ( 491714.9, 3616828.4,      36.6,      36.6,       0.0);         ( 491696.6,
3616849.2,      37.3,      37.3,       0.0);
     ( 491678.2, 3616870.0,      37.9,      37.9,       0.0);         ( 491659.9,
3616890.9,      37.9,      37.9,       0.0);
     ( 491641.6, 3616911.7,      38.2,      38.2,       0.0);         ( 491623.3,
3616932.6,      38.5,      38.5,       0.0);
     ( 491604.9, 3616953.4,      38.2,      38.2,       0.0);         ( 491586.6,
3616974.2,      38.0,      38.0,       0.0);
     ( 491568.3, 3616995.1,      37.6,      37.6,       0.0);         ( 491550.0,
3617015.9,      37.0,      37.0,       0.0);
     ( 491531.6, 3617036.8,      36.5,      36.5,       0.0);         ( 491513.3,
3617057.6,      36.7,      36.7,       0.0);
     ( 491495.0, 3617078.4,      36.4,      36.4,       0.0);         ( 491476.7,
3617099.3,      35.8,      35.8,       0.0);
     ( 491458.3, 3617120.1,      35.6,      35.6,       0.0);         ( 491440.0,
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3617141.0, 34.6, 34.6, 0.0);
 (491421.7, 3617161.8, 31.7, 34.5, 0.0); (491403.4,
3617182.6, 27.8, 35.3, 0.0);
 (491385.0, 3617203.5, 26.9, 32.6, 0.0); (491366.7,
3617224.3, 26.9, 33.3, 0.0);
 (491348.4, 3617245.2, 26.6, 34.0, 0.0); (491330.1,
3617266.0, 28.6, 33.7, 0.0);
 (491311.7, 3617286.9, 29.7, 33.7, 0.0); (491293.4,
3617307.7, 29.7, 29.7, 0.0);
 (491229.3, 3617380.6, 25.4, 38.6, 0.0); (491211.0,
3617401.5, 23.8, 38.6, 0.0);
 (491192.6, 3617422.3, 24.6, 36.3, 0.0); (491174.3,
3617443.2, 27.6, 32.1, 0.0);
 (491156.0, 3617464.0, 31.8, 31.8, 0.0); (491137.6,
3617484.8, 30.0, 34.8, 0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

 (491119.3, 3617505.7, 29.8, 34.8, 0.0); (491101.0,
3617526.5, 29.7, 29.7, 0.0);
 (491082.7, 3617547.4, 29.3, 35.0, 0.0); (491064.3,
3617568.2, 32.8, 35.0, 0.0);
 (492820.0, 3613205.7, 3.4, 22.8, 0.0); (489227.3,
3614407.2, 3.4, 3.4, 0.0);
 (489401.0, 3614822.4, 3.0, 3.0, 0.0); (489691.8,
3615567.7, 4.8, 4.8, 0.0);
 (489766.2, 3615753.4, 6.4, 6.4, 0.0); (489840.5,
3615939.1, 12.3, 12.3, 0.0);
 (489989.1, 3616310.4, 14.3, 19.7, 0.0); (490137.8,
3616681.8, 20.2, 20.2, 0.0);
 (490286.5, 3617053.1, 27.8, 27.8, 0.0); (490435.1,
3617424.5, 24.7, 24.7, 0.0);
 (490583.8, 3617795.8, 24.1, 24.1, 0.0); (489200.8,
3614238.6, 3.4, 3.4, 0.0);
 (489198.8, 3614213.9, 3.3, 3.3, 0.0); (489196.7,
3614189.1, 3.1, 3.1, 0.0);
 (489194.6, 3614164.4, 3.0, 3.0, 0.0); (489192.5,
3614139.7, 3.0, 3.0, 0.0);
 (489190.4, 3614115.0, 3.0, 3.0, 0.0); (489223.7,
3614211.8, 3.1, 3.1, 0.0);
 (489221.6, 3614187.0, 3.1, 3.1, 0.0); (489219.5,

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3614162.3,       3.0,       3.0,       0.0);
     ( 489217.4, 3614137.6,       3.0,       3.0,       0.0);         ( 489215.3,
3614112.9,       3.0,       3.0,       0.0);
     ( 489248.6, 3614209.7,       3.6,       3.6,       0.0);         ( 489246.5,
3614184.9,       3.6,       3.6,       0.0);
     ( 489244.4, 3614160.2,       3.4,       3.4,       0.0);         ( 489242.3,
3614135.5,       3.2,       3.2,       0.0);
     ( 489240.3, 3614110.8,       3.1,       3.1,       0.0);         ( 489273.5,
3614207.6,       4.0,       4.0,       0.0);
     ( 489271.4, 3614182.8,       3.9,       3.9,       0.0);         ( 489269.3,
3614158.1,       3.7,       3.7,       0.0);
     ( 489267.2, 3614133.4,       3.4,       3.4,       0.0);         ( 489265.2,
3614108.7,       3.4,       3.4,       0.0);
     ( 489323.3, 3614203.4,       4.1,       4.1,       0.0);         ( 489321.2,
3614178.6,       4.0,       4.0,       0.0);
     ( 489319.2, 3614153.9,       3.8,       3.8,       0.0);         ( 489317.1,
3614129.2,       3.8,       3.8,       0.0);
     ( 489315.0, 3614104.5,       3.7,       3.7,       0.0);         ( 489367.6,
3614289.2,       3.2,       3.2,       0.0);
     ( 489371.1, 3614174.4,       4.6,       4.6,       0.0);         ( 489369.0,
3614149.7,       4.6,       4.6,       0.0);
     ( 489366.9, 3614125.0,       4.3,       4.3,       0.0);         ( 489364.8,
3614100.3,       3.9,       3.9,       0.0);
     ( 489420.9, 3614170.2,       4.8,       4.8,       0.0);         ( 489418.8,
3614145.5,       5.0,       5.0,       0.0);
     ( 489416.7, 3614120.8,       5.0,       5.0,       0.0);         ( 489414.6,
3614096.1,       5.2,       5.2,       0.0);
     ( 489468.6, 3614141.3,       5.1,       5.1,       0.0);         ( 489466.5,
3614116.6,       5.2,       5.2,       0.0);
     ( 489464.5, 3614091.9,       5.4,       5.4,       0.0);         ( 489396.4,
3614578.1,       3.2,       3.2,       0.0);
     ( 489379.0, 3614592.8,       2.9,       2.9,       0.0);         ( 489361.5,
3614607.4,       2.7,       2.7,       0.0);
     ( 489568.3, 3614132.9,       6.2,       6.2,       0.0);         ( 489566.2,
3614108.2,       6.3,       6.3,       0.0);
     ( 489564.1, 3614083.5,       6.2,       6.2,       0.0);         ( 489456.0,
3614652.1,       3.6,      13.0,       0.0);
     ( 489419.1, 3614683.1,       3.2,       3.2,       0.0);         ( 489676.2,
3614223.4,       5.9,      10.3,       0.0);
     ( 489674.2, 3614198.7,       3.1,      10.5,       0.0);         ( 489665.8,
3614099.8,       5.5,      10.2,       0.0);
     ( 489663.8, 3614075.1,       7.1,       7.1,       0.0);         ( 489770.4,
3614237.9,       3.8,       3.8,       0.0);
     ( 489710.4, 3614489.1,       4.1,       4.1,       0.0);         ( 489526.8,
3614716.6,       3.5,      15.0,       0.0);
     ( 489490.9, 3614746.8,       3.4,      15.0,       0.0);         ( 489472.9,
3614761.9,       3.2,      15.0,       0.0);
     ( 489437.0, 3614792.2,       3.0,       3.0,       0.0);         ( 489775.9,
3614215.0,       4.6,       4.6,       0.0);
     ( 489773.8, 3614190.3,       5.4,       5.4,       0.0);         ( 489771.7,
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3614165.6, 5.8, 5.8, 0.0);
     (489769.6, 3614140.8, 5.9, 5.9, 0.0); (489763.4,
3614066.7, 6.7, 6.7, 0.0);
     (489869.9, 3614230.3, 7.1, 7.1, 0.0); (489864.2,
3614254.0, 6.7, 6.7, 0.0);
     (489858.6, 3614277.7, 6.5, 6.5, 0.0); (489802.0,
3614514.6, 5.0, 5.0, 0.0);
     (489796.3, 3614538.3, 4.9, 4.9, 0.0); (489605.9,
3614774.2, 4.6, 15.0, 0.0);
     (489568.6, 3614805.5, 11.3, 15.0, 0.0); (489550.0,
3614821.2, 7.8, 15.0, 0.0);
     (489531.4, 3614836.9, 4.7, 15.0, 0.0); (489512.7,
3614852.5, 3.3, 15.0, 0.0);
     (489494.1, 3614868.2, 3.2, 15.0, 0.0); (489875.5,
3614206.6, 7.3, 7.3, 0.0);
     (489873.5, 3614181.9, 7.2, 7.2, 0.0); (489871.4,
3614157.2, 7.3, 7.3, 0.0);

                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                        (METERS)

     (489869.3, 3614132.4, 7.4, 7.4, 0.0); (489865.1,
3614083.0, 7.4, 7.4, 0.0);
     (489863.0, 3614058.3, 7.3, 7.3, 0.0); (489969.6,
3614221.4, 6.8, 6.8, 0.0);
     (489964.1, 3614244.6, 6.6, 6.6, 0.0); (489958.6,
3614267.8, 6.2, 6.2, 0.0);
     (489897.6, 3614523.1, 5.8, 5.8, 0.0); (489892.0,
3614546.3, 5.9, 5.9, 0.0);
     (489886.5, 3614569.5, 5.7, 5.7, 0.0); (489881.0,
3614592.7, 6.1, 6.1, 0.0);
     (489840.5, 3614700.9, 6.0, 6.0, 0.0); (489621.4,
3614885.2, 11.0, 14.0, 0.0);
     (489603.1, 3614900.6, 13.2, 13.2, 0.0); (489584.9,
3614915.9, 14.3, 14.3, 0.0);
     (489566.6, 3614931.3, 13.8, 13.8, 0.0); (489975.2,
3614198.2, 6.8, 6.8, 0.0);
     (489973.1, 3614173.5, 8.0, 8.0, 0.0); (489971.0,
3614148.8, 8.1, 8.1, 0.0);
     (489968.9, 3614124.1, 8.0, 8.0, 0.0); (489966.9,
3614099.3, 7.8, 7.8, 0.0);
     (489962.7, 3614049.9, 8.2, 8.9, 0.0); (490168.9,

```
3614204.8,       2.8,       2.8,       0.0);
     ( 490163.3, 3614228.3,       2.7,       2.7,       0.0);         ( 490157.7,
3614251.7,       2.4,       2.4,       0.0);
     ( 490152.1, 3614275.1,       2.3,       2.3,       0.0);         ( 490146.5,
3614298.6,       2.3,       2.3,       0.0);
     ( 490079.3, 3614579.7,       8.4,       8.4,       0.0);         ( 490073.8,
3614603.2,       8.3,       8.3,       0.0);
     ( 490068.2, 3614626.6,       8.2,       8.2,       0.0);         ( 490062.6,
3614650.0,       8.3,       8.3,       0.0);
     ( 490057.0, 3614673.5,       8.5,       8.5,       0.0);         ( 490010.5,
3614806.1,       9.2,       9.2,       0.0);
     ( 489992.1, 3614821.6,       8.6,       8.6,       0.0);         ( 489973.7,
3614837.1,       8.2,       8.2,       0.0);
     ( 489918.4, 3614883.7,       7.4,       7.4,       0.0);         ( 489899.9,
3614899.2,       7.2,       7.2,       0.0);
     ( 489789.3, 3614992.2,       5.6,       5.6,       0.0);         ( 489734.0,
3615038.7,       5.1,       5.1,       0.0);
     ( 489715.6, 3615054.2,       4.9,      13.0,       0.0);         ( 489697.1,
3615069.7,       5.4,      13.1,       0.0);
     ( 489678.7, 3615085.2,      10.5,      12.6,       0.0);         ( 489641.8,
3615116.2,      11.5,      12.7,       0.0);
     ( 490174.5, 3614181.4,       2.8,       2.8,       0.0);         ( 490172.4,
3614156.7,       2.7,       2.7,       0.0);
     ( 490170.3, 3614132.0,       2.6,       2.6,       0.0);         ( 490168.2,
3614107.3,       2.8,       2.8,       0.0);
     ( 490166.1, 3614082.5,       3.0,       3.0,       0.0);         ( 490164.1,
3614057.8,       3.2,       3.2,       0.0);
     ( 490162.0, 3614033.1,       3.3,       3.3,       0.0);         ( 490368.1,
3614188.2,       6.3,       6.3,       0.0);
     ( 490362.5, 3614211.8,       6.3,       6.3,       0.0);         ( 490356.9,
3614235.4,       6.2,       6.2,       0.0);
     ( 490351.2, 3614258.9,       5.6,       5.6,       0.0);         ( 490345.6,
3614282.5,       5.6,       5.6,       0.0);
     ( 490340.0, 3614306.1,       5.8,       5.8,       0.0);         ( 490334.4,
3614329.7,       5.5,       8.6,       0.0);
     ( 490328.7, 3614353.3,       4.9,       8.6,       0.0);         ( 490289.3,
3614518.3,       3.0,       3.0,       0.0);
     ( 490266.8, 3614612.7,       3.1,       3.1,       0.0);         ( 490261.1,
3614636.3,       3.2,       3.2,       0.0);
     ( 490255.5, 3614659.8,       3.2,       3.2,       0.0);         ( 490249.9,
3614683.4,       3.2,       3.2,       0.0);
     ( 490244.2, 3614707.0,       3.5,       3.5,       0.0);         ( 490238.6,
3614730.6,       4.0,       4.0,       0.0);
     ( 490233.0, 3614754.2,       4.5,       4.5,       0.0);         ( 490204.8,
3614872.1,       4.0,      10.8,       0.0);
     ( 490180.6, 3614911.3,       6.4,       8.4,       0.0);         ( 490162.1,
3614926.9,       8.6,       8.6,       0.0);
     ( 490143.5, 3614942.5,       9.5,       9.5,       0.0);         ( 490125.0,
3614958.1,      11.1,      11.1,       0.0);
     ( 490106.4, 3614973.7,      11.7,      11.7,       0.0);         ( 490050.7,
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3615020.5,   11.6,   11.6,   0.0);
     (490032.2, 3615036.1,   11.5,   11.5,   0.0);   (489958.0,
3615098.5,   9.8,   9.8,   0.0);
     (489865.2, 3615176.6,   8.3,   8.3,   0.0);   (489846.6,
3615192.2,   7.8,   7.8,   0.0);
     (489828.1, 3615207.8,   7.5,   7.5,   0.0);   (489809.5,
3615223.4,   6.9,   6.9,   0.0);
     (489791.0, 3615239.0,   6.5,   6.5,   0.0);   (489772.4,
3615254.6,   6.3,   13.3,   0.0);
     (490373.8, 3614164.6,   6.1,   6.1,   0.0);   (490371.7,
3614139.9,   6.4,   6.4,   0.0);
     (490369.6, 3614115.2,   6.1,   6.1,   0.0);   (490367.5,
3614090.5,   6.2,   6.2,   0.0);
     (490365.5, 3614065.7,   6.2,   6.2,   0.0);   (490363.4,
3614041.0,   6.1,   6.1,   0.0);
     (490361.3, 3614016.3,   6.1,   6.1,   0.0);   (490567.4,
3614171.5,   5.2,   5.2,   0.0);
     (490561.8, 3614195.2,   5.5,   5.5,   0.0);   (490556.1,
3614218.9,   5.5,   5.5,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (490550.4, 3614242.6,   5.7,   5.7,   0.0);   (490544.8,
3614266.3,   6.0,   6.0,   0.0);
     (490539.1, 3614290.0,   6.4,   6.4,   0.0);   (490533.5,
3614313.7,   6.6,   6.6,   0.0);
     (490527.8, 3614337.4,   7.0,   7.0,   0.0);   (490522.1,
3614361.0,   7.3,   7.3,   0.0);
     (490516.5, 3614384.7,   7.5,   7.5,   0.0);   (490448.6,
3614669.0,   9.4,   9.4,   0.0);
     (490442.9, 3614692.7,   8.6,   8.6,   0.0);   (490437.3,
3614716.4,   6.0,   11.8,   0.0);
     (490431.6, 3614740.1,   4.5,   11.8,   0.0);   (490426.0,
3614763.8,   3.7,   11.2,   0.0);
     (490420.3, 3614787.5,   3.5,   3.5,   0.0);   (490414.6,
3614811.2,   3.7,   3.7,   0.0);
     (490409.0, 3614834.9,   3.8,   3.8,   0.0);   (490403.3,
3614858.6,   3.9,   3.9,   0.0);
     (490380.7, 3614953.3,   4.6,   4.6,   0.0);   (490375.0,
3614977.0,   5.6,   9.7,   0.0);
     (490350.7, 3615016.4,   10.2,   10.2,   0.0);   (490332.1,

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3615032.1,      10.6,      10.6,       0.0);
     ( 490313.5, 3615047.7,      10.6,      10.6,       0.0);         ( 490294.8,
3615063.4,      10.7,      10.7,       0.0);
     ( 490276.2, 3615079.1,      11.3,      11.3,       0.0);         ( 490257.5,
3615094.8,      11.9,      11.9,       0.0);
     ( 490238.9, 3615110.5,      11.8,      11.8,       0.0);         ( 490201.6,
3615141.8,       8.1,      11.5,       0.0);
     ( 490164.3, 3615173.2,       9.8,       9.8,       0.0);         ( 489996.6,
3615314.3,      12.3,      12.3,       0.0);
     ( 489977.9, 3615329.9,      12.1,      12.1,       0.0);         ( 489959.3,
3615345.6,      11.8,      11.8,       0.0);
     ( 489940.6, 3615361.3,      11.9,      11.9,       0.0);         ( 489922.0,
3615377.0,      12.1,      12.1,       0.0);
     ( 489903.4, 3615392.7,      11.5,      11.5,       0.0);         ( 489884.7,
3615408.3,      10.6,      10.6,       0.0);
     ( 489847.4, 3615439.7,       8.9,       8.9,       0.0);         ( 490573.1,
3614147.8,       5.1,       5.1,       0.0);
     ( 490571.0, 3614123.1,       5.1,       5.1,       0.0);         ( 490568.9,
3614098.4,       5.0,       5.0,       0.0);
     ( 490566.8, 3614073.7,       5.0,       5.0,       0.0);         ( 490564.7,
3614048.9,       5.4,       5.4,       0.0);
     ( 490562.7, 3614024.2,       5.4,       5.4,       0.0);         ( 490560.6,
3613999.5,       5.3,       5.3,       0.0);
     ( 490766.7, 3614154.8,      11.7,      11.7,       0.0);         ( 490761.0,
3614178.6,      11.6,      11.6,       0.0);
     ( 490755.3, 3614202.3,      11.4,      11.4,       0.0);         ( 490749.7,
3614226.1,      10.9,      10.9,       0.0);
     ( 490744.0, 3614249.9,      10.7,      10.7,       0.0);         ( 490738.3,
3614273.7,      10.5,      10.5,       0.0);
     ( 490732.6, 3614297.4,      10.3,      10.3,       0.0);         ( 490726.9,
3614321.2,      10.1,      10.1,       0.0);
     ( 490721.3, 3614345.0,      10.2,      10.2,       0.0);         ( 490715.6,
3614368.8,      10.1,      10.1,       0.0);
     ( 490709.9, 3614392.5,       9.8,       9.8,       0.0);         ( 490704.2,
3614416.3,       9.9,       9.9,       0.0);
     ( 490630.4, 3614725.4,      12.5,      12.5,       0.0);         ( 490624.7,
3614749.1,      12.6,      12.6,       0.0);
     ( 490619.1, 3614772.9,      12.8,      12.8,       0.0);         ( 490613.4,
3614796.7,      12.3,      12.3,       0.0);
     ( 490607.7, 3614820.5,      10.0,      10.8,       0.0);         ( 490602.0,
3614844.2,       6.5,      13.4,       0.0);
     ( 490596.3, 3614868.0,       6.3,       6.3,       0.0);         ( 490590.7,
3614891.8,       6.1,       6.1,       0.0);
     ( 490585.0, 3614915.6,       5.8,       5.8,       0.0);         ( 490579.3,
3614939.3,       5.7,       5.7,       0.0);
     ( 490556.6, 3615034.4,       6.1,       6.1,       0.0);         ( 490550.9,
3615058.2,       6.1,       6.1,       0.0);
     ( 490545.2, 3615082.0,       6.9,      11.1,       0.0);         ( 490520.9,
3615121.5,       9.1,       9.1,       0.0);
     ( 490502.2, 3615137.2,       9.8,      15.1,       0.0);         ( 490483.5,
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3615152.9,   12.9,   13.4,   0.0);
     (490464.8, 3615168.7,   13.9,   13.9,   0.0);   (490446.0,
3615184.4,   15.2,   15.2,   0.0);
     (490427.3, 3615200.1,   16.3,   16.3,   0.0);   (490408.6,
3615215.9,   16.1,   16.1,   0.0);
     (490389.9, 3615231.6,   15.6,   15.6,   0.0);   (490371.2,
3615247.3,   14.9,   14.9,   0.0);
     (490352.5, 3615263.1,   13.6,   13.6,   0.0);   (490333.8,
3615278.8,   12.4,   12.4,   0.0);
     (490296.4, 3615310.3,   12.7,   12.7,   0.0);   (490128.0,
3615451.9,   13.7,   13.7,   0.0);
     (490109.3, 3615467.6,   13.6,   13.6,   0.0);   (490090.6,
3615483.3,   13.3,   13.3,   0.0);
     (490071.9, 3615499.1,   13.3,   13.3,   0.0);   (490053.2,
3615514.8,   13.5,   13.5,   0.0);
     (490034.5, 3615530.5,   13.8,   13.8,   0.0);   (490015.8,
3615546.3,   13.8,   13.8,   0.0);
     (489997.1, 3615562.0,   14.0,   14.0,   0.0);   (489978.4,
3615577.7,   14.4,   14.4,   0.0);
     (489884.9, 3615656.4,   10.7,   10.7,   0.0);   (489866.2,
3615672.1,   9.9,   9.9,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (490772.4, 3614131.0,   12.1,   12.1,   0.0);   (490770.3,
3614106.3,   13.1,   13.1,   0.0);
     (490768.2, 3614081.6,   13.1,   13.1,   0.0);   (490766.1,
3614056.9,   13.4,   13.4,   0.0);
     (490764.0, 3614032.1,   13.5,   13.5,   0.0);   (490762.0,
3614007.4,   13.6,   13.6,   0.0);
     (490759.9, 3613982.7,   13.6,   13.6,   0.0);   (490966.0,
3614138.1,   21.4,   21.4,   0.0);
     (490960.3, 3614161.9,   21.1,   21.1,   0.0);   (490954.6,
3614185.8,   20.8,   20.8,   0.0);
     (490948.9, 3614209.6,   20.7,   20.7,   0.0);   (490943.2,
3614233.4,   20.9,   20.9,   0.0);
     (490937.5, 3614257.3,   19.8,   19.8,   0.0);   (490931.8,
3614281.1,   19.8,   19.8,   0.0);
     (490926.1, 3614304.9,   19.8,   19.8,   0.0);   (490920.4,
3614328.8,   19.2,   19.2,   0.0);
     (490914.7, 3614352.6,   18.7,   18.7,   0.0);   (490909.0,

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3614376.5,      18.3,      18.3,       0.0);
     ( 490903.3, 3614400.3,      17.9,      17.9,       0.0);         ( 490897.6,
3614424.1,      17.7,      17.7,       0.0);
     ( 490892.0, 3614448.0,      17.5,      17.5,       0.0);         ( 490852.1,
3614614.8,      13.2,      13.2,       0.0);
     ( 490846.4, 3614638.7,      13.0,      13.0,       0.0);         ( 490812.2,
3614781.7,      13.5,      13.5,       0.0);
     ( 490806.5, 3614805.5,      13.6,      13.6,       0.0);         ( 490800.9,
3614829.4,      13.7,      13.7,       0.0);
     ( 490795.2, 3614853.2,      13.5,      13.5,       0.0);         ( 490789.5,
3614877.1,      12.1,      12.1,       0.0);
     ( 490783.8, 3614900.9,      11.8,      11.8,       0.0);         ( 490778.1,
3614924.7,      12.0,      12.0,       0.0);
     ( 490772.4, 3614948.6,      12.6,      12.6,       0.0);         ( 490766.7,
3614972.4,      12.8,      12.8,       0.0);
     ( 490761.0, 3614996.2,      12.6,      12.6,       0.0);         ( 490755.3,
3615020.1,      12.3,      12.3,       0.0);
     ( 490732.5, 3615115.4,       7.4,       7.4,       0.0);         ( 490726.8,
3615139.3,       7.9,       7.9,       0.0);
     ( 490721.1, 3615163.1,       8.2,       8.2,       0.0);         ( 490715.5,
3615187.0,       8.6,       8.6,       0.0);
     ( 490691.0, 3615226.6,       8.6,       8.6,       0.0);         ( 490672.2,
3615242.3,       8.6,       8.6,       0.0);
     ( 490653.5, 3615258.1,       8.6,       8.6,       0.0);         ( 490634.7,
3615273.9,       8.5,      16.0,       0.0);
     ( 490616.0, 3615289.7,       8.0,      17.0,       0.0);         ( 490597.2,
3615305.4,      12.0,      16.2,       0.0);
     ( 490578.5, 3615321.2,      16.1,      16.1,       0.0);         ( 490559.7,
3615337.0,      16.7,      16.7,       0.0);
     ( 490541.0, 3615352.8,      17.4,      17.4,       0.0);         ( 490522.2,
3615368.5,      17.8,      17.8,       0.0);
     ( 490503.4, 3615384.3,      17.7,      17.7,       0.0);         ( 490484.7,
3615400.1,      17.7,      17.7,       0.0);
     ( 490465.9, 3615415.9,      17.4,      17.4,       0.0);         ( 490259.6,
3615589.4,      15.8,      15.8,       0.0);
     ( 490240.8, 3615605.2,      15.6,      15.6,       0.0);         ( 490222.1,
3615621.0,      15.4,      15.4,       0.0);
     ( 490203.3, 3615636.7,      15.4,      15.4,       0.0);         ( 490184.6,
3615652.5,      15.3,      15.3,       0.0);
     ( 490165.8, 3615668.3,      15.2,      15.2,       0.0);         ( 490147.1,
3615684.1,      14.7,      14.7,       0.0);
     ( 490128.3, 3615699.8,      13.6,      13.6,       0.0);         ( 490109.6,
3615715.6,      12.3,      12.3,       0.0);
     ( 490090.8, 3615731.4,      12.1,      12.1,       0.0);         ( 490072.0,
3615747.2,      12.7,      12.7,       0.0);
     ( 489997.0, 3615810.3,      15.3,      15.3,       0.0);         ( 489978.3,
3615826.0,      15.4,      15.4,       0.0);
     ( 489959.5, 3615841.8,      15.1,      15.1,       0.0);         ( 489865.7,
3615920.7,      13.2,      13.2,       0.0);
     ( 490971.7, 3614114.2,      21.3,      21.3,       0.0);         ( 490969.6,
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3614089.5,   21.2,   21.2,   0.0);
     (490967.5, 3614064.8,   21.1,   21.1,   0.0);   (490965.4,
3614040.1,   20.9,   20.9,   0.0);
     (490963.3, 3614015.4,   20.5,   20.5,   0.0);   (490961.2,
3613990.6,   20.3,   20.3,   0.0);
     (490959.2, 3613965.9,   19.6,   19.6,   0.0);   (491364.5,
3614104.6,   19.0,   19.0,   0.0);
     (491358.8, 3614128.5,   19.9,   19.9,   0.0);   (491353.1,
3614152.4,   20.4,   20.4,   0.0);
     (491347.4, 3614176.4,   20.9,   20.9,   0.0);   (491341.7,
3614200.3,   21.9,   22.1,   0.0);
     (491336.0, 3614224.2,   24.1,   24.1,   0.0);   (491330.2,
3614248.2,   26.1,   26.1,   0.0);
     (491324.5, 3614272.1,   27.7,   27.7,   0.0);   (491318.8,
3614296.0,   28.8,   28.8,   0.0);
     (491313.1, 3614320.0,   28.8,   28.8,   0.0);   (491307.4,
3614343.9,   29.1,   29.1,   0.0);
     (491301.7, 3614367.8,   29.2,   29.2,   0.0);   (491295.9,
3614391.8,   29.3,   29.3,   0.0);
     (491290.2, 3614415.7,   29.4,   29.4,   0.0);   (491284.5,
3614439.6,   29.4,   29.4,   0.0);
     (491278.8, 3614463.6,   29.4,   29.4,   0.0);   (491273.1,
3614487.5,   29.4,   29.4,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (491267.4, 3614511.4,   29.3,   29.3,   0.0);   (491215.9,
3614726.8,   29.9,   29.9,   0.0);
     (491210.2, 3614750.8,   29.7,   29.7,   0.0);   (491175.9,
3614894.4,   29.6,   29.6,   0.0);
     (491170.2, 3614918.3,   29.5,   29.5,   0.0);   (491164.5,
3614942.2,   29.4,   29.4,   0.0);
     (491158.8, 3614966.2,   28.9,   28.9,   0.0);   (491153.0,
3614990.1,   27.6,   27.6,   0.0);
     (491147.3, 3615014.0,   26.8,   26.8,   0.0);   (491141.6,
3615038.0,   26.2,   26.2,   0.0);
     (491135.9, 3615061.9,   25.3,   25.3,   0.0);   (491130.2,
3615085.8,   25.1,   25.1,   0.0);
     (491124.5, 3615109.8,   25.1,   25.1,   0.0);   (491118.7,
3615133.7,   25.2,   25.2,   0.0);
     (491113.0, 3615157.6,   25.0,   25.0,   0.0);   (491107.3,

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3615181.5,      24.9,      24.9,       0.0);
     ( 491078.7, 3615301.2,      26.9,      26.9,       0.0);         ( 491073.0,
3615325.1,      18.9,      30.7,       0.0);
     ( 491067.3, 3615349.1,      12.1,      32.2,       0.0);         ( 491061.6,
3615373.0,      12.0,      31.6,       0.0);
     ( 491055.9, 3615396.9,      11.9,      30.7,       0.0);         ( 491031.3,
3615436.7,      11.7,      30.7,       0.0);
     ( 491012.5, 3615452.6,      11.8,      11.8,       0.0);         ( 490993.7,
3615468.4,      11.6,      11.6,       0.0);
     ( 490974.8, 3615484.2,      11.6,      11.6,       0.0);         ( 490956.0,
3615500.1,      11.8,      27.4,       0.0);
     ( 490937.2, 3615515.9,      11.8,      27.4,       0.0);         ( 490918.3,
3615531.8,      12.8,      27.4,       0.0);
     ( 490899.5, 3615547.6,      14.9,      22.5,       0.0);         ( 490880.7,
3615563.4,      17.3,      20.6,       0.0);
     ( 490861.8, 3615579.3,      19.9,      19.9,       0.0);         ( 490843.0,
3615595.1,      20.8,      20.8,       0.0);
     ( 490824.2, 3615610.9,      21.0,      21.0,       0.0);         ( 490805.3,
3615626.8,      21.5,      21.5,       0.0);
     ( 490786.5, 3615642.6,      21.9,      21.9,       0.0);         ( 490767.7,
3615658.5,      22.2,      22.2,       0.0);
     ( 490748.9, 3615674.3,      21.9,      21.9,       0.0);         ( 490730.0,
3615690.1,      21.7,      21.7,       0.0);
     ( 490504.0, 3615880.2,      20.2,      20.2,       0.0);         ( 490485.2,
3615896.0,      20.1,      20.1,       0.0);
     ( 490466.4, 3615911.9,      20.0,      20.0,       0.0);         ( 490447.6,
3615927.7,      20.0,      20.0,       0.0);
     ( 490428.7, 3615943.5,      20.0,      20.0,       0.0);         ( 490409.9,
3615959.4,      20.1,      20.1,       0.0);
     ( 490391.1, 3615975.2,      20.3,      20.3,       0.0);         ( 490372.2,
3615991.1,      20.6,      20.6,       0.0);
     ( 490353.4, 3616006.9,      20.9,      20.9,       0.0);         ( 490334.6,
3616022.7,      21.3,      21.3,       0.0);
     ( 490315.8, 3616038.6,      21.5,      21.5,       0.0);         ( 490296.9,
3616054.4,      21.9,      21.9,       0.0);
     ( 490278.1, 3616070.3,      22.1,      22.1,       0.0);         ( 490259.2,
3616086.1,      22.1,      22.1,       0.0);
     ( 490183.9, 3616149.4,      22.4,      22.4,       0.0);         ( 490165.1,
3616165.3,      21.9,      21.9,       0.0);
     ( 490146.3, 3616181.1,      21.3,      21.3,       0.0);         ( 490127.4,
3616197.0,      20.8,      20.8,       0.0);
     ( 490033.3, 3616276.1,      18.0,      18.0,       0.0);         ( 490014.5,
3616292.0,      17.2,      17.2,       0.0);
     ( 491370.2, 3614080.6,      16.7,      16.7,       0.0);         ( 491368.2,
3614055.9,      15.7,      19.6,       0.0);
     ( 491366.1, 3614031.2,      15.5,      15.5,       0.0);         ( 491364.0,
3614006.5,      15.9,      15.9,       0.0);
     ( 491361.9, 3613981.8,      16.5,      16.5,       0.0);         ( 491359.8,
3613957.0,      17.3,      17.3,       0.0);
     ( 491357.8, 3613932.3,      17.5,      17.5,       0.0);         ( 491763.1,
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3614071.0,   25.4,   25.4,   0.0);
     (491757.4, 3614095.0,   26.6,   26.6,   0.0);   (491751.6,
3614119.0,   27.4,   27.4,   0.0);
     (491745.9, 3614143.0,   27.9,   27.9,   0.0);   (491740.2,
3614167.0,   28.6,   28.6,   0.0);
     (491734.4, 3614191.0,   29.3,   29.3,   0.0);   (491728.7,
3614215.0,   29.6,   29.6,   0.0);
     (491723.0, 3614239.0,   29.8,   29.8,   0.0);   (491717.2,
3614263.0,   29.9,   29.9,   0.0);
     (491711.5, 3614287.0,   29.9,   29.9,   0.0);   (491705.8,
3614311.0,   30.0,   30.0,   0.0);
     (491700.0, 3614335.0,   29.9,   29.9,   0.0);   (491694.3,
3614359.0,   29.4,   29.4,   0.0);
     (491688.6, 3614383.0,   28.7,   28.7,   0.0);   (491682.9,
3614407.0,   28.8,   28.8,   0.0);
     (491677.1, 3614431.0,   28.7,   28.7,   0.0);   (491671.4,
3614455.0,   28.3,   28.3,   0.0);
     (491665.7, 3614479.0,   28.6,   28.6,   0.0);   (491659.9,
3614503.0,   27.8,   27.8,   0.0);
     (491654.2, 3614527.0,   27.8,   27.8,   0.0);   (491648.5,
3614551.0,   27.7,   27.7,   0.0);
     (491642.7, 3614575.0,   27.5,   27.5,   0.0);   (491585.4,
3614815.0,   29.8,   29.8,   0.0);
     (491539.6, 3615007.0,   22.5,   22.5,   0.0);   (491533.8,
3615031.0,   24.3,   24.3,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (491528.1, 3615055.0,   24.5,   24.5,   0.0);   (491522.4,
3615079.0,   24.6,   24.6,   0.0);
     (491516.6, 3615103.0,   24.0,   24.0,   0.0);   (491510.9,
3615127.0,   24.0,   24.0,   0.0);
     (491505.2, 3615151.0,   23.8,   23.8,   0.0);   (491499.4,
3615175.0,   23.8,   23.8,   0.0);
     (491493.7, 3615199.0,   23.2,   23.2,   0.0);   (491488.0,
3615223.0,   21.9,   27.8,   0.0);
     (491482.2, 3615247.0,   19.7,   31.1,   0.0);   (491476.5,
3615271.0,   19.0,   31.6,   0.0);
     (491470.8, 3615295.0,   17.2,   31.6,   0.0);   (491465.0,
3615319.0,   18.3,   31.6,   0.0);
     (491459.3, 3615343.0,   19.1,   31.6,   0.0);   (491453.6,

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3615367.0,      18.5,      31.6,       0.0);
     ( 491424.9, 3615487.0,      14.7,      31.7,       0.0);         ( 491419.2,
3615511.0,      15.0,      31.7,       0.0);
     ( 491413.5, 3615535.0,      15.3,      31.7,       0.0);         ( 491407.7,
3615559.0,      16.2,      31.7,       0.0);
     ( 491402.0, 3615583.0,      19.0,      31.7,       0.0);         ( 491396.3,
3615607.0,      21.9,      31.7,       0.0);
     ( 491371.6, 3615646.8,      17.4,      31.7,       0.0);         ( 491352.8,
3615662.7,      15.3,      31.7,       0.0);
     ( 491333.9, 3615678.6,      15.0,      31.7,       0.0);         ( 491315.0,
3615694.5,      14.5,      31.7,       0.0);
     ( 491296.1, 3615710.4,      14.5,      29.2,       0.0);         ( 491277.2,
3615726.3,      14.5,      14.5,       0.0);
     ( 491258.4, 3615742.1,      14.5,      14.5,       0.0);         ( 491239.5,
3615758.0,      14.7,      14.7,       0.0);
     ( 491220.6, 3615773.9,      15.5,      22.3,       0.0);         ( 491201.7,
3615789.8,      15.9,      29.2,       0.0);
     ( 491182.8, 3615805.7,      17.0,      29.2,       0.0);         ( 491163.9,
3615821.5,      20.2,      26.2,       0.0);
     ( 491145.1, 3615837.4,      22.3,      24.9,       0.0);         ( 491126.2,
3615853.3,      23.4,      28.9,       0.0);
     ( 491107.3, 3615869.2,      25.1,      28.9,       0.0);         ( 491088.4,
3615885.1,      25.8,      28.9,       0.0);
     ( 491069.5, 3615901.0,      26.7,      29.0,       0.0);         ( 491050.6,
3615916.8,      27.2,      27.2,       0.0);
     ( 491031.8, 3615932.7,      27.1,      27.1,       0.0);         ( 491012.9,
3615948.6,      27.4,      27.4,       0.0);
     ( 490767.4, 3616155.1,      22.8,      22.8,       0.0);         ( 490748.5,
3616171.0,      22.4,      22.4,       0.0);
     ( 490729.6, 3616186.8,      21.6,      21.6,       0.0);         ( 490710.8,
3616202.7,      20.3,      20.3,       0.0);
     ( 490691.9, 3616218.6,      21.1,      21.1,       0.0);         ( 490673.0,
3616234.5,      21.2,      21.2,       0.0);
     ( 490654.1, 3616250.4,      21.3,      21.3,       0.0);         ( 490635.2,
3616266.2,      21.0,      21.8,       0.0);
     ( 490616.3, 3616282.1,      17.0,      23.7,       0.0);         ( 490597.5,
3616298.0,      16.2,      23.7,       0.0);
     ( 490578.6, 3616313.9,      16.3,      16.3,       0.0);         ( 490559.7,
3616329.8,      16.5,      16.5,       0.0);
     ( 490540.8, 3616345.7,      16.1,      16.1,       0.0);         ( 490521.9,
3616361.5,      14.8,      14.8,       0.0);
     ( 490503.0, 3616377.4,      13.2,      27.8,       0.0);         ( 490484.2,
3616393.3,      12.2,      26.2,       0.0);
     ( 490446.4, 3616425.1,      11.0,      11.0,       0.0);         ( 490370.9,
3616488.6,      13.6,      13.6,       0.0);
     ( 490352.0, 3616504.5,      12.8,      12.8,       0.0);         ( 490333.1,
3616520.4,      12.2,      15.0,       0.0);
     ( 490314.2, 3616536.2,      12.1,      12.1,       0.0);         ( 490295.3,
3616552.1,      11.9,      11.9,       0.0);
     ( 490200.9, 3616631.5,      18.9,      18.9,       0.0);         ( 490182.0,
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3616647.4,   18.6,   18.6,   0.0);
     (490163.2, 3616663.3,   19.3,   19.3,   0.0);   (491768.8,
3614047.0,   23.9,   23.9,   0.0);
     (491766.8, 3614022.3,   23.3,   23.3,   0.0);   (491764.7,
3613997.6,   22.9,   22.9,   0.0);
     (491762.6, 3613972.9,   22.4,   22.4,   0.0);   (491760.5,
3613948.2,   21.7,   21.7,   0.0);
     (491758.4, 3613923.4,   21.7,   21.7,   0.0);   (491756.3,
3613898.7,   21.5,   21.5,   0.0);
     (492161.7, 3614037.5,   32.3,   32.3,   0.0);   (492155.9,
3614061.6,   31.5,   31.5,   0.0);
     (492150.2, 3614085.6,   27.9,   34.6,   0.0);   (492144.5,
3614109.6,   20.4,   34.6,   0.0);
     (492138.7, 3614133.7,   17.4,   34.6,   0.0);   (492133.0,
3614157.8,   14.3,   37.3,   0.0);
     (492127.2, 3614181.8,   12.4,   37.7,   0.0);   (492121.5,
3614205.8,   11.7,   37.7,   0.0);
     (492115.7, 3614229.9,   11.8,   37.7,   0.0);   (492110.0,
3614253.9,   12.1,   37.7,   0.0);
     (492104.2, 3614278.0,   11.2,   37.7,   0.0);   (492098.5,
3614302.0,   10.0,   37.7,   0.0);
     (492092.8, 3614326.1,   10.0,   37.7,   0.0);   (492087.0,
3614350.1,   12.0,   37.7,   0.0);
     (492081.3, 3614374.2,   12.3,   37.7,   0.0);   (492075.5,
3614398.2,   13.5,   37.7,   0.0);
     (492069.8, 3614422.3,   15.1,   37.7,   0.0);   (492064.0,
3614446.3,   17.5,   37.6,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (492058.3, 3614470.4,   18.6,   37.6,   0.0);   (492052.5,
3614494.4,   18.3,   37.2,   0.0);
     (492046.8, 3614518.4,   17.7,   37.2,   0.0);   (492041.1,
3614542.5,   17.9,   36.6,   0.0);
     (492035.3, 3614566.5,   18.7,   36.2,   0.0);   (492029.6,
3614590.6,   19.0,   35.7,   0.0);
     (492023.8, 3614614.6,   19.5,   35.0,   0.0);   (492018.1,
3614638.7,   19.9,   35.0,   0.0);
     (492012.3, 3614662.7,   20.1,   34.9,   0.0);   (491960.7,
3614879.2,   23.9,   34.0,   0.0);
     (491954.9, 3614903.2,   24.5,   34.0,   0.0);   (491949.2,

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3614927.3,      28.6,      31.0,       0.0);
     ( 491909.0, 3615095.6,      34.0,      34.0,       0.0);         ( 491903.2,
3615119.6,      33.0,      33.0,       0.0);
     ( 491897.5, 3615143.7,      30.6,      30.6,       0.0);         ( 491891.7,
3615167.7,      28.6,      28.6,       0.0);
     ( 491886.0, 3615191.8,      27.4,      27.4,       0.0);         ( 491880.2,
3615215.8,      26.7,      27.8,       0.0);
     ( 491874.5, 3615239.9,      24.9,      29.8,       0.0);         ( 491868.8,
3615263.9,      22.8,      29.8,       0.0);
     ( 491863.0, 3615288.0,      21.1,      27.9,       0.0);         ( 491857.3,
3615312.0,      20.0,      20.0,       0.0);
     ( 491851.5, 3615336.1,      19.1,      19.1,       0.0);         ( 491845.8,
3615360.1,      18.4,      18.4,       0.0);
     ( 491840.0, 3615384.2,      18.4,      18.4,       0.0);         ( 491834.3,
3615408.2,      18.6,      18.6,       0.0);
     ( 491828.6, 3615432.2,      18.5,      25.7,       0.0);         ( 491822.8,
3615456.3,      20.2,      25.7,       0.0);
     ( 491817.1, 3615480.3,      23.5,      25.3,       0.0);         ( 491811.3,
3615504.4,      25.8,      25.8,       0.0);
     ( 491805.6, 3615528.4,      26.2,      26.2,       0.0);         ( 491799.8,
3615552.5,      26.3,      26.3,       0.0);
     ( 491776.9, 3615648.7,      24.2,      35.1,       0.0);         ( 491771.1,
3615672.7,      24.8,      35.1,       0.0);
     ( 491765.4, 3615696.8,      26.4,      26.4,       0.0);         ( 491759.6,
3615720.8,      28.8,      28.8,       0.0);
     ( 491753.9, 3615744.9,      30.6,      30.6,       0.0);         ( 491748.1,
3615768.9,      31.3,      31.3,       0.0);
     ( 491742.4, 3615793.0,      26.5,      33.4,       0.0);         ( 491736.7,
3615817.0,      22.8,      33.7,       0.0);
     ( 491712.0, 3615857.0,      20.0,      33.7,       0.0);         ( 491693.1,
3615872.9,      19.7,      32.6,       0.0);
     ( 491674.2, 3615888.8,      19.5,      19.5,       0.0);         ( 491655.2,
3615904.7,      19.2,      19.2,       0.0);
     ( 491636.3, 3615920.6,      19.1,      30.0,       0.0);         ( 491617.4,
3615936.5,      19.5,      31.4,       0.0);
     ( 491598.5, 3615952.5,      21.8,      31.4,       0.0);         ( 491579.5,
3615968.4,      26.9,      26.9,       0.0);
     ( 491560.6, 3615984.3,      27.9,      27.9,       0.0);         ( 491541.7,
3616000.2,      28.9,      28.9,       0.0);
     ( 491522.8, 3616016.1,      30.2,      30.2,       0.0);         ( 491503.9,
3616032.0,      29.8,      29.8,       0.0);
     ( 491485.0, 3616047.9,      28.8,      28.8,       0.0);         ( 491466.0,
3616063.9,      28.2,      28.2,       0.0);
     ( 491447.1, 3616079.8,      28.6,      28.6,       0.0);         ( 491428.2,
3616095.7,      29.2,      29.2,       0.0);
     ( 491409.3, 3616111.6,      29.0,      29.0,       0.0);         ( 491390.3,
3616127.5,      28.9,      28.9,       0.0);
     ( 491371.4, 3616143.4,      28.9,      28.9,       0.0);         ( 491352.5,
3616159.3,      27.7,      29.6,       0.0);
     ( 491333.6, 3616175.2,      25.5,      30.9,       0.0);         ( 491314.7,
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3616191.2,   26.9,   28.4,   0.0);
     (491295.7, 3616207.1,   28.0,   28.0,   0.0);   (491030.8,
3616429.9,   18.8,   18.8,   0.0);
     (491011.9, 3616445.8,   17.6,   17.6,   0.0);   (490993.0,
3616461.7,   18.1,   18.1,   0.0);
     (490974.1, 3616477.6,   19.7,   19.7,   0.0);   (490955.2,
3616493.5,   19.5,   19.5,   0.0);
     (490936.2, 3616509.4,   19.8,   19.8,   0.0);   (490917.3,
3616525.4,   20.8,   20.8,   0.0);
     (490898.4, 3616541.3,   20.8,   27.0,   0.0);   (490879.5,
3616557.2,   20.0,   27.0,   0.0);
     (490860.6, 3616573.1,   19.6,   27.0,   0.0);   (490841.6,
3616589.0,   19.2,   26.1,   0.0);
     (490822.7, 3616604.9,   16.0,   27.0,   0.0);   (490803.8,
3616620.8,   16.9,   26.1,   0.0);
     (490784.9, 3616636.8,   17.9,   25.2,   0.0);   (490766.0,
3616652.7,   18.6,   18.6,   0.0);
     (490747.0, 3616668.6,   18.5,   18.5,   0.0);   (490728.1,
3616684.5,   18.4,   18.4,   0.0);
     (490709.2, 3616700.4,   18.2,   18.2,   0.0);   (490690.3,
3616716.3,   16.2,   16.2,   0.0);
     (490671.3, 3616732.2,   15.2,   15.2,   0.0);   (490595.7,
3616795.9,   20.1,   26.2,   0.0);
     (490576.8, 3616811.8,   21.0,   28.2,   0.0);   (490557.8,
3616827.7,   22.9,   22.9,   0.0);
     (490538.9, 3616843.6,   24.6,   24.6,   0.0);   (490520.0,
3616859.6,   25.5,   25.5,   0.0);
     (490501.1, 3616875.5,   25.9,   25.9,   0.0);   (490482.1,
3616891.4,   26.6,   26.6,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (490463.2, 3616907.3,   27.1,   27.1,   0.0);   (490368.6,
3616986.9,   28.9,   28.9,   0.0);
     (490349.7, 3617002.8,   28.9,   28.9,   0.0);   (490330.8,
3617018.7,   28.4,   28.4,   0.0);
     (490311.9, 3617034.6,   28.1,   28.1,   0.0);   (492167.4,
3614013.5,   32.1,   32.1,   0.0);
     (492165.3, 3613988.7,   32.1,   32.1,   0.0);   (492163.3,
3613964.0,   31.4,   31.4,   0.0);
     (492161.2, 3613939.3,   29.8,   31.9,   0.0);   (492159.1,

```
3613914.6,      27.0,      32.7,       0.0);
     ( 492157.0, 3613889.9,      23.1,      32.7,       0.0);         ( 492154.9,
3613865.1,      15.6,      34.6,       0.0);
     ( 492560.3, 3614003.9,      23.4,      23.4,       0.0);         ( 492554.5,
3614028.0,      22.9,      38.8,       0.0);
     ( 492548.8, 3614052.1,      23.5,      38.8,       0.0);         ( 492543.0,
3614076.2,      24.9,      38.8,       0.0);
     ( 492537.2, 3614100.3,      25.2,      38.8,       0.0);         ( 492531.5,
3614124.4,      26.5,      38.8,       0.0);
     ( 492525.7, 3614148.5,      26.3,      38.8,       0.0);         ( 492520.0,
3614172.5,      25.4,      38.8,       0.0);
     ( 492514.2, 3614196.6,      25.6,      38.8,       0.0);         ( 492508.5,
3614220.7,      26.2,      43.7,       0.0);
     ( 492502.7, 3614244.8,      26.2,      44.3,       0.0);         ( 492497.0,
3614268.9,      26.1,      45.0,       0.0);
     ( 492491.2, 3614293.0,      26.2,      45.0,       0.0);         ( 492485.5,
3614317.0,      26.4,      45.1,       0.0);
     ( 492479.7, 3614341.1,      26.4,      45.7,       0.0);         ( 492474.0,
3614365.2,      26.3,      47.7,       0.0);
     ( 492468.2, 3614389.3,      26.3,      48.7,       0.0);         ( 492462.5,
3614413.4,      26.2,      49.3,       0.0);
     ( 492456.7, 3614437.5,      26.0,      49.5,       0.0);         ( 492451.0,
3614461.6,      25.8,      50.4,       0.0);
     ( 492445.2, 3614485.6,      25.7,      50.4,       0.0);         ( 492439.5,
3614509.7,      25.8,      50.4,       0.0);
     ( 492433.7, 3614533.8,      25.2,      50.4,       0.0);         ( 492428.0,
3614557.9,      24.9,      50.4,       0.0);
     ( 492422.2, 3614582.0,      25.5,      50.4,       0.0);         ( 492416.5,
3614606.1,      26.1,      50.4,       0.0);
     ( 492410.7, 3614630.1,      25.4,      50.4,       0.0);         ( 492404.9,
3614654.2,      24.3,      50.4,       0.0);
     ( 492399.2, 3614678.3,      26.6,      50.4,       0.0);         ( 492393.4,
3614702.4,      27.4,      50.4,       0.0);
     ( 492330.2, 3614967.3,      33.2,      45.7,       0.0);         ( 492324.4,
3614991.4,      34.5,      45.0,       0.0);
     ( 492318.7, 3615015.5,      34.4,      43.2,       0.0);         ( 492307.1,
3615063.7,      34.7,      40.4,       0.0);
     ( 492278.4, 3615184.1,      37.3,      37.3,       0.0);         ( 492272.6,
3615208.2,      36.8,      36.8,       0.0);
     ( 492266.9, 3615232.3,      35.9,      35.9,       0.0);         ( 492261.1,
3615256.3,      34.7,      34.7,       0.0);
     ( 492255.4, 3615280.4,      33.2,      33.2,       0.0);         ( 492249.6,
3615304.5,      32.0,      32.0,       0.0);
     ( 492243.9, 3615328.6,      29.8,      29.8,       0.0);         ( 492238.1,
3615352.7,      27.8,      32.1,       0.0);
     ( 492232.4, 3615376.8,      25.9,      33.2,       0.0);         ( 492226.6,
3615400.9,      24.8,      32.9,       0.0);
     ( 492220.9, 3615424.9,      24.4,      31.8,       0.0);         ( 492215.1,
3615449.0,      23.7,      31.8,       0.0);
     ( 492209.4, 3615473.1,      23.6,      23.6,       0.0);         ( 492203.6,
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3615497.2,   24.0,   24.0,   0.0);
     (492197.9, 3615521.3,   23.9,   23.9,   0.0);   (492192.1,
3615545.4,   23.7,   23.7,   0.0);
     (492186.3, 3615569.4,   24.0,   24.0,   0.0);   (492180.6,
3615593.5,   25.1,   29.8,   0.0);
     (492174.8, 3615617.6,   26.7,   39.5,   0.0);   (492169.1,
3615641.7,   29.3,   39.5,   0.0);
     (492163.3, 3615665.8,   31.2,   39.5,   0.0);   (492157.6,
3615689.9,   33.7,   38.8,   0.0);
     (492151.8, 3615714.0,   36.4,   36.4,   0.0);   (492146.1,
3615738.0,   38.7,   38.7,   0.0);
     (492123.1, 3615834.4,   35.9,   35.9,   0.0);   (492117.3,
3615858.5,   35.4,   35.4,   0.0);
     (492111.6, 3615882.5,   30.7,   39.1,   0.0);   (492105.8,
3615906.6,   27.2,   40.3,   0.0);
     (492100.1, 3615930.7,   25.5,   40.3,   0.0);   (492094.3,
3615954.8,   24.4,   35.4,   0.0);
     (492088.6, 3615978.9,   24.7,   24.7,   0.0);   (492082.8,
3616003.0,   24.5,   24.5,   0.0);
     (492077.1, 3616027.1,   24.0,   24.0,   0.0);   (492052.4,
3616067.1,   23.9,   23.9,   0.0);
     (492033.4, 3616083.0,   23.7,   23.7,   0.0);   (492014.5,
3616099.0,   24.2,   24.2,   0.0);
     (491995.5, 3616114.9,   24.0,   24.0,   0.0);   (491976.6,
3616130.8,   23.8,   31.7,   0.0);
     (491957.6, 3616146.8,   24.2,   41.6,   0.0);   (491938.7,
3616162.7,   26.0,   41.6,   0.0);
     (491919.7, 3616178.7,   30.7,   30.7,   0.0);   (491900.8,
3616194.6,   32.0,   41.6,   0.0);
     (491881.8, 3616210.5,   32.8,   41.6,   0.0);   (491862.9,
3616226.5,   36.9,   41.6,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (491843.9, 3616242.4,   38.8,   41.6,   0.0);   (491825.0,
3616258.3,   40.1,   41.6,   0.0);
     (491806.0, 3616274.3,   39.7,   39.7,   0.0);   (491787.0,
3616290.2,   39.5,   39.5,   0.0);
     (491768.1, 3616306.2,   37.8,   37.8,   0.0);   (491749.1,
3616322.1,   36.1,   39.3,   0.0);
     (491730.2, 3616338.0,   35.4,   35.4,   0.0);   (491711.2,

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3616354.0,      34.7,      34.7,       0.0);
     ( 491692.3, 3616369.9,      33.1,      33.1,       0.0);         ( 491673.3,
3616385.9,      33.0,      33.0,       0.0);
     ( 491654.4, 3616401.8,      30.2,      33.8,       0.0);         ( 491635.5,
3616417.7,      29.4,      33.8,       0.0);
     ( 491616.5, 3616433.7,      28.3,      33.4,       0.0);         ( 491597.5,
3616449.6,      26.8,      32.8,       0.0);
     ( 491578.6, 3616465.5,      26.1,      32.8,       0.0);         ( 491275.4,
3616720.6,      35.5,      40.9,       0.0);
     ( 491256.5, 3616736.5,      35.2,      40.9,       0.0);         ( 491237.5,
3616752.4,      35.5,      40.9,       0.0);
     ( 491218.5, 3616768.4,      35.8,      35.8,       0.0);         ( 491199.6,
3616784.3,      36.1,      36.1,       0.0);
     ( 491180.6, 3616800.3,      35.3,      35.3,       0.0);         ( 491161.7,
3616816.2,      33.3,      36.0,       0.0);
     ( 491142.8, 3616832.1,      29.8,      36.6,       0.0);         ( 491123.8,
3616848.1,      26.2,      36.6,       0.0);
     ( 491104.8, 3616864.0,      23.7,      38.2,       0.0);         ( 491085.9,
3616880.0,      23.8,      38.3,       0.0);
     ( 491067.0, 3616895.9,      24.3,      38.3,       0.0);         ( 491048.0,
3616911.8,      26.6,      38.3,       0.0);
     ( 491029.0, 3616927.8,      31.5,      38.3,       0.0);         ( 491010.1,
3616943.7,      35.8,      38.2,       0.0);
     ( 490991.1, 3616959.7,      33.4,      38.3,       0.0);         ( 490972.2,
3616975.6,      31.6,      38.3,       0.0);
     ( 490953.2, 3616991.5,      31.6,      38.3,       0.0);         ( 490934.3,
3617007.5,      31.6,      32.7,       0.0);
     ( 490915.3, 3617023.4,      27.9,      38.3,       0.0);         ( 490896.4,
3617039.3,      21.5,      38.3,       0.0);
     ( 490877.4, 3617055.3,      18.9,      38.3,       0.0);         ( 490782.7,
3617135.0,      22.7,      22.7,       0.0);
     ( 490763.7, 3617150.9,      21.9,      21.9,       0.0);         ( 490744.8,
3617166.9,      22.6,      22.6,       0.0);
     ( 490725.8, 3617182.8,      24.0,      24.0,       0.0);         ( 490706.9,
3617198.7,      24.5,      24.5,       0.0);
     ( 490687.9, 3617214.7,      24.6,      24.6,       0.0);         ( 490669.0,
3617230.6,      25.2,      25.2,       0.0);
     ( 490650.0, 3617246.6,      25.9,      25.9,       0.0);         ( 490631.1,
3617262.5,      27.4,      27.4,       0.0);
     ( 490536.3, 3617342.2,      29.5,      29.5,       0.0);         ( 490517.4,
3617358.1,      28.6,      28.6,       0.0);
     ( 490498.4, 3617374.1,      27.7,      27.7,       0.0);         ( 490479.5,
3617390.0,      27.0,      27.0,       0.0);
     ( 490460.5, 3617405.9,      26.1,      26.1,       0.0);         ( 492566.0,
3613979.9,      23.7,      24.2,       0.0);
     ( 492563.9, 3613955.1,      20.1,      24.2,       0.0);         ( 492561.8,
3613930.4,      14.7,      38.8,       0.0);
     ( 492559.8, 3613905.7,      10.9,      38.8,       0.0);         ( 492557.7,
3613881.0,      10.3,      38.8,       0.0);
     ( 492555.6, 3613856.3,      11.9,      23.7,       0.0);         ( 492553.5,
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3613831.5,   12.5,   23.7,   0.0);
     (492958.8, 3613970.4,   39.5,   39.5,   0.0);   (492953.1,
3613994.5,   39.5,   39.5,   0.0);
     (492947.3, 3614018.6,   38.3,   42.9,   0.0);   (492941.6,
3614042.7,   36.8,   42.9,   0.0);
     (492935.8, 3614066.8,   36.6,   41.4,   0.0);   (492930.0,
3614091.0,   35.2,   41.4,   0.0);
     (492924.3, 3614115.1,   31.5,   42.9,   0.0);   (492918.5,
3614139.2,   25.2,   46.5,   0.0);
     (492912.8, 3614163.3,   26.5,   45.4,   0.0);   (492907.0,
3614187.4,   29.5,   44.8,   0.0);
     (492901.2, 3614211.5,   32.8,   39.7,   0.0);   (492895.5,
3614235.6,   34.7,   39.7,   0.0);
     (492889.7, 3614259.8,   35.5,   35.5,   0.0);   (492884.0,
3614283.9,   35.8,   35.8,   0.0);
     (492878.2, 3614308.0,   36.1,   36.1,   0.0);   (492872.5,
3614332.1,   35.4,   35.4,   0.0);
     (492866.7, 3614356.2,   34.3,   34.3,   0.0);   (492860.9,
3614380.3,   33.8,   38.4,   0.0);
     (492855.2, 3614404.4,   32.3,   40.3,   0.0);   (492849.4,
3614428.6,   31.2,   39.4,   0.0);
     (492843.6, 3614452.7,   30.6,   38.5,   0.0);   (492837.9,
3614476.8,   28.8,   38.5,   0.0);
     (492832.1, 3614500.9,   29.4,   37.1,   0.0);   (492826.4,
3614525.0,   30.4,   37.1,   0.0);
     (492820.6, 3614549.1,   31.9,   37.1,   0.0);   (492814.8,
3614573.2,   31.9,   37.1,   0.0);
     (492809.1, 3614597.4,   28.7,   50.0,   0.0);   (492803.3,
3614621.5,   28.9,   50.0,   0.0);
     (492797.6, 3614645.6,   28.7,   50.4,   0.0);   (492791.8,
3614669.7,   28.6,   50.4,   0.0);
     (492786.1, 3614693.8,   28.5,   50.4,   0.0);   (492780.3,
3614717.9,   28.5,   50.4,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (492774.5, 3614742.0,   28.9,   50.4,   0.0);   (492768.8,
3614766.2,   29.3,   50.4,   0.0);
     (492705.4, 3615031.4,   35.2,   35.2,   0.0);   (492699.7,
3615055.5,   35.5,   35.5,   0.0);
     (492693.9, 3615079.6,   36.4,   36.4,   0.0);   (492688.1,

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3615103.8,      37.2,      37.2,       0.0);
     ( 492682.4, 3615127.9,      37.6,      37.6,       0.0);         ( 492642.1,
3615296.7,      37.3,      37.3,       0.0);
     ( 492636.3, 3615320.8,      36.4,      36.4,       0.0);         ( 492630.5,
3615344.9,      35.1,      35.1,       0.0);
     ( 492624.8, 3615369.0,      33.3,      33.3,       0.0);         ( 492619.0,
3615393.1,      33.4,      33.4,       0.0);
     ( 492613.3, 3615417.2,      33.4,      33.4,       0.0);         ( 492607.5,
3615441.3,      33.9,      33.9,       0.0);
     ( 492601.8, 3615465.5,      34.6,      34.6,       0.0);         ( 492596.0,
3615489.6,      36.2,      36.2,       0.0);
     ( 492590.2, 3615513.7,      35.7,      35.7,       0.0);         ( 492584.5,
3615537.8,      35.0,      35.0,       0.0);
     ( 492578.7, 3615561.9,      35.6,      35.6,       0.0);         ( 492573.0,
3615586.0,      37.8,      37.8,       0.0);
     ( 492567.2, 3615610.1,      38.4,      38.4,       0.0);         ( 492561.4,
3615634.3,      38.9,      38.9,       0.0);
     ( 492555.7, 3615658.4,      38.7,      38.7,       0.0);         ( 492549.9,
3615682.5,      37.9,      40.2,       0.0);
     ( 492544.2, 3615706.6,      36.6,      40.2,       0.0);         ( 492538.4,
3615730.7,      32.9,      41.1,       0.0);
     ( 492532.6, 3615754.8,      32.1,      40.8,       0.0);         ( 492526.9,
3615778.9,      31.9,      31.9,       0.0);
     ( 492521.1, 3615803.1,      31.7,      31.7,       0.0);         ( 492515.4,
3615827.2,      31.8,      31.8,       0.0);
     ( 492509.6, 3615851.3,      31.7,      31.7,       0.0);         ( 492503.8,
3615875.4,      31.4,      31.4,       0.0);
     ( 492498.1, 3615899.5,      31.2,      31.2,       0.0);         ( 492475.0,
3615996.0,      30.3,      30.3,       0.0);
     ( 492469.3, 3616020.1,      30.0,      30.0,       0.0);         ( 492463.5,
3616044.2,      29.7,      29.7,       0.0);
     ( 492457.8, 3616068.3,      29.3,      29.3,       0.0);         ( 492452.0,
3616092.4,      29.4,      29.4,       0.0);
     ( 492446.2, 3616116.5,      30.5,      39.6,       0.0);         ( 492440.5,
3616140.7,      32.9,      39.6,       0.0);
     ( 492434.7, 3616164.8,      34.0,      41.7,       0.0);         ( 492429.0,
3616188.9,      37.2,      39.6,       0.0);
     ( 492423.2, 3616213.0,      39.4,      39.4,       0.0);         ( 492417.5,
3616237.1,      40.5,      40.5,       0.0);
     ( 492392.7, 3616277.2,      35.9,      47.8,       0.0);         ( 492373.8,
3616293.1,      30.9,      49.4,       0.0);
     ( 492354.8, 3616309.1,      33.5,      49.1,       0.0);         ( 492335.8,
3616325.1,      36.0,      48.6,       0.0);
     ( 492316.8, 3616341.0,      36.5,      48.6,       0.0);         ( 492297.8,
3616357.0,      37.0,      48.0,       0.0);
     ( 492278.9, 3616372.9,      37.6,      47.0,       0.0);         ( 492259.9,
3616388.9,      38.6,      38.6,       0.0);
     ( 492240.9, 3616404.9,      40.5,      40.5,       0.0);         ( 492222.0,
3616420.8,      41.6,      41.6,       0.0);
     ( 492203.0, 3616436.8,      40.8,      40.8,       0.0);         ( 492184.0,
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3616452.7,   39.7,   39.7,   0.0);
     (492165.0, 3616468.7,   38.6,   44.4,   0.0);   (492146.1,
3616484.6,   37.7,   37.7,   0.0);
     (492127.1, 3616500.6,   37.8,   37.8,   0.0);   (492108.1,
3616516.6,   37.4,   37.4,   0.0);
     (492089.1, 3616532.5,   35.8,   35.8,   0.0);   (492070.2,
3616548.5,   34.6,   34.6,   0.0);
     (492051.2, 3616564.4,   34.1,   34.1,   0.0);   (492032.2,
3616580.4,   33.5,   33.5,   0.0);
     (492013.2, 3616596.4,   33.0,   33.0,   0.0);   (491994.3,
3616612.3,   32.7,   32.7,   0.0);
     (491975.3, 3616628.3,   32.5,   32.5,   0.0);   (491956.3,
3616644.2,   32.5,   32.5,   0.0);
     (491937.4, 3616660.2,   32.4,   32.4,   0.0);   (491918.4,
3616676.1,   32.4,   32.4,   0.0);
     (491899.4, 3616692.1,   32.4,   32.4,   0.0);   (491880.4,
3616708.1,   33.0,   33.0,   0.0);
     (491861.5, 3616724.0,   33.4,   33.4,   0.0);   (491842.5,
3616740.0,   33.3,   33.3,   0.0);
     (491538.9, 3616995.3,   36.8,   36.8,   0.0);   (491519.9,
3617011.3,   36.3,   36.3,   0.0);
     (491501.0, 3617027.2,   35.7,   35.7,   0.0);   (491482.0,
3617043.2,   35.6,   35.6,   0.0);
     (491463.0, 3617059.1,   35.6,   35.6,   0.0);   (491444.0,
3617075.1,   35.6,   35.6,   0.0);
     (491425.1, 3617091.1,   35.3,   35.3,   0.0);   (491406.1,
3617107.0,   34.7,   34.7,   0.0);
     (491387.1, 3617123.0,   33.7,   33.7,   0.0);   (491368.2,
3617138.9,   32.6,   32.6,   0.0);
     (491349.2, 3617154.9,   31.7,   31.7,   0.0);   (491330.2,
3617170.9,   28.9,   31.5,   0.0);
     (491311.2, 3617186.8,   26.6,   31.5,   0.0);   (491292.3,
3617202.8,   26.1,   31.0,   0.0);
     (491273.3, 3617218.7,   25.8,   38.6,   0.0);   (491254.3,
3617234.7,   26.1,   38.6,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (491235.3, 3617250.6,   26.4,   38.6,   0.0);   (491216.4,
3617266.6,   26.4,   38.6,   0.0);
     (491197.4, 3617282.6,   29.4,   38.6,   0.0);   (491178.4,

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3617298.5,      31.7,      38.6,       0.0);
     ( 491159.5, 3617314.5,      35.9,      35.9,       0.0);         ( 491140.5,
3617330.4,      32.2,      38.6,       0.0);
     ( 491121.5, 3617346.4,      31.2,      31.2,       0.0);         ( 491102.5,
3617362.4,      31.0,      31.0,       0.0);
     ( 491083.5, 3617378.3,      30.7,      30.7,       0.0);         ( 491045.6,
3617410.2,      29.3,      29.3,       0.0);
     ( 490988.7, 3617458.1,      29.2,      29.2,       0.0);         ( 490969.7,
3617474.1,      29.2,      29.2,       0.0);
     ( 490950.7, 3617490.0,      29.3,      29.3,       0.0);         ( 490931.8,
3617506.0,      29.5,      29.5,       0.0);
     ( 490912.8, 3617521.9,      29.7,      29.7,       0.0);         ( 490893.8,
3617537.9,      30.0,      30.0,       0.0);
     ( 490874.8, 3617553.9,      30.3,      30.3,       0.0);         ( 490855.9,
3617569.8,      29.8,      29.8,       0.0);
     ( 490836.9, 3617585.8,      28.9,      28.9,       0.0);         ( 490817.9,
3617601.7,      28.6,      28.6,       0.0);
     ( 490799.0, 3617617.7,      28.3,      28.3,       0.0);         ( 490704.1,
3617697.5,      27.3,      27.3,       0.0);
     ( 490685.1, 3617713.4,      27.1,      27.1,       0.0);         ( 490666.1,
3617729.4,      26.7,      26.7,       0.0);
     ( 490647.2, 3617745.4,      26.2,      26.2,       0.0);         ( 490628.2,
3617761.3,      25.6,      25.6,       0.0);
     ( 490609.2, 3617777.3,      24.9,      24.9,       0.0);         ( 492964.6,
3613946.3,      37.6,      37.6,       0.0);
     ( 492962.5, 3613921.6,      33.4,      42.6,       0.0);         ( 492960.4,
3613896.8,      30.2,      43.5,       0.0);
     ( 492958.3, 3613872.1,      26.4,      46.5,       0.0);         ( 492956.3,
3613847.4,      23.1,      47.1,       0.0);
     ( 492954.2, 3613822.7,      20.7,      47.4,       0.0);         ( 492952.1,
3613798.0,      18.7,      47.4,       0.0);
     ( 489166.7, 3614092.1,       3.2,       3.2,       0.0);         ( 489143.6,
3614091.0,       3.4,       3.4,       0.0);
     ( 489120.5, 3614089.9,       3.5,       3.5,       0.0);         ( 489097.5,
3614088.9,       3.6,       3.6,       0.0);
     ( 489074.4, 3614087.8,       3.8,       3.8,       0.0);         ( 489184.0,
3614074.1,       3.0,       3.0,       0.0);
     ( 489144.8, 3614066.1,       3.4,       3.4,       0.0);         ( 489121.7,
3614065.0,       3.5,       3.5,       0.0);
     ( 489098.6, 3614063.9,       3.6,       3.6,       0.0);         ( 489075.6,
3614062.8,       3.8,       3.8,       0.0);
     ( 489185.2, 3614049.1,       3.1,       3.1,       0.0);         ( 489225.1,
3614079.0,       2.8,       2.8,       0.0);
     ( 489146.0, 3614041.1,       3.6,       3.6,       0.0);         ( 489122.9,
3614040.0,       3.7,       3.7,       0.0);
     ( 489099.8, 3614038.9,       3.8,       3.8,       0.0);         ( 489076.8,
3614037.8,       3.9,       3.9,       0.0);
     ( 489186.4, 3614024.2,       3.2,       3.2,       0.0);         ( 489218.7,
3614038.1,       2.9,       2.9,       0.0);
     ( 489242.5, 3614061.0,       3.0,       3.0,       0.0);         ( 489147.1,
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3614016.1,   3.7,   3.7,   0.0);
     (489124.0, 3614015.0,   3.8,   3.8,   0.0);   (489101.0,
3614014.0,   3.9,   3.9,   0.0);
     (489077.9, 3614012.9,   4.2,   4.2,   0.0);   (489191.9,
3613975.6,   3.4,   3.4,   0.0);
     (489230.8, 3613992.3,   3.3,   3.3,   0.0);   (489278.7,
3614028.1,   3.3,   3.3,   0.0);
     (489296.8, 3614066.3,   3.5,   3.5,   0.0);   (489149.5,
3613966.2,   3.6,   3.6,   0.0);
     (489126.4, 3613965.1,   3.8,   3.8,   0.0);   (489103.3,
3613964.0,   3.8,   3.8,   0.0);
     (489080.2, 3613962.9,   3.9,   3.9,   0.0);   (489193.3,
3613925.3,   3.4,   3.4,   0.0);
     (489230.3, 3613941.2,   3.8,   3.8,   0.0);   (489267.3,
3613957.1,   3.9,   3.9,   0.0);
     (489312.9, 3613991.2,   4.1,   4.1,   0.0);   (489330.2,
3614027.6,   3.3,   3.3,   0.0);
     (489347.5, 3614063.9,   3.4,   3.4,   0.0);   (489151.8,
3613916.2,   3.6,   3.6,   0.0);
     (489128.7, 3613915.1,   3.8,   3.8,   0.0);   (489105.6,
3613914.1,   3.7,   3.7,   0.0);
     (489082.6, 3613913.0,   3.8,   3.8,   0.0);   (489197.4,
3613876.1,   3.5,   3.5,   0.0);
     (489237.8, 3613893.5,   4.2,   4.2,   0.0);   (489278.3,
3613910.9,   4.0,   4.0,   0.0);
     (489318.7, 3613928.3,   4.5,   4.5,   0.0);   (489348.4,
3613956.9,   4.8,   4.8,   0.0);
     (489367.3, 3613996.7,   4.5,   4.5,   0.0);   (489386.3,
3614036.4,   3.9,   3.9,   0.0);
     (489154.1, 3613866.3,   3.8,   3.8,   0.0);   (489131.0,
3613865.2,   3.8,   3.8,   0.0);
     (489108.0, 3613864.1,   3.8,   3.8,   0.0);   (489084.9,
3613863.0,   3.9,   3.9,   0.0);
     (489198.9, 3613825.8,   3.8,   3.8,   0.0);   (489237.8,
3613842.5,   4.6,   4.6,   0.0);
     (489276.6, 3613859.2,   5.0,   5.0,   0.0);   (489315.4,
3613875.9,   4.6,   4.6,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (489354.2, 3613892.7,   5.3,   5.3,   0.0);   (489382.7,

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3613920.1,       5.9,       5.9,       0.0);
     ( 489400.9, 3613958.3,       5.9,       5.9,       0.0);         ( 489419.0,
3613996.4,       5.7,       5.7,       0.0);
     ( 489437.2, 3614034.6,       5.5,       5.5,       0.0);         ( 489156.5,
3613816.3,       3.7,       3.7,       0.0);
     ( 489133.4, 3613815.2,       3.8,       3.8,       0.0);         ( 489110.3,
3613814.2,       3.9,       3.9,       0.0);
     ( 489087.2, 3613813.1,       4.0,       4.0,       0.0);         ( 489204.1,
3613726.1,       4.1,       4.1,       0.0);
     ( 489243.9, 3613743.2,       4.2,       4.2,       0.0);         ( 489283.7,
3613760.4,       4.7,       4.7,       0.0);
     ( 489323.6, 3613777.5,       5.4,       5.4,       0.0);         ( 489363.4,
3613794.7,       5.2,       5.2,       0.0);
     ( 489403.2, 3613811.8,       5.7,       5.7,       0.0);         ( 489452.3,
3613848.6,       6.2,       6.2,       0.0);
     ( 489471.0, 3613887.7,       6.2,       6.2,       0.0);         ( 489489.6,
3613926.9,       6.0,       6.0,       0.0);
     ( 489508.2, 3613966.0,       6.0,       6.0,       0.0);         ( 489526.8,
3614005.2,       6.0,       6.0,       0.0);
     ( 489545.5, 3614044.3,       5.6,       5.6,       0.0);         ( 489161.1,
3613716.4,       4.0,       4.0,       0.0);
     ( 489138.0, 3613715.4,       3.9,       3.9,       0.0);         ( 489115.0,
3613714.3,       3.9,       3.9,       0.0);
     ( 489091.9, 3613713.2,       4.0,       4.0,       0.0);         ( 489209.1,
3613626.3,       4.1,       4.1,       0.0);
     ( 489249.5, 3613643.8,       4.4,       4.4,       0.0);         ( 489290.0,
3613661.2,       4.8,       4.8,       0.0);
     ( 489330.4, 3613678.6,       5.9,       5.9,       0.0);         ( 489370.8,
3613696.0,       5.6,       5.6,       0.0);
     ( 489411.3, 3613713.4,       6.0,       6.0,       0.0);         ( 489451.7,
3613730.8,       6.6,       6.6,       0.0);
     ( 489492.2, 3613748.3,       6.5,       6.5,       0.0);         ( 489521.9,
3613776.9,       6.6,       6.6,       0.0);
     ( 489540.8, 3613816.6,       6.6,       6.6,       0.0);         ( 489559.7,
3613856.4,       6.7,       6.7,       0.0);
     ( 489578.6, 3613896.1,       6.5,       6.5,       0.0);         ( 489597.5,
3613935.9,       6.6,       6.6,       0.0);
     ( 489616.5, 3613975.7,       6.8,       6.8,       0.0);         ( 489635.4,
3614015.4,       7.1,       7.1,       0.0);
     ( 489165.8, 3613616.5,       4.1,       4.1,       0.0);         ( 489142.7,
3613615.5,       4.3,       4.3,       0.0);
     ( 489119.6, 3613614.4,       4.3,       4.3,       0.0);         ( 489096.6,
3613613.3,       4.2,       4.2,       0.0);
     ( 489214.0, 3613526.5,       4.2,       4.2,       0.0);         ( 489254.8,
3613544.1,       4.5,       4.5,       0.0);
     ( 489295.7, 3613561.7,       4.9,       4.9,       0.0);         ( 489336.6,
3613579.3,       5.7,       5.7,       0.0);
     ( 489377.4, 3613596.9,       6.2,       6.2,       0.0);         ( 489418.3,
3613614.5,       6.1,       6.1,       0.0);
     ( 489459.2, 3613632.1,       6.7,       6.7,       0.0);         ( 489500.0,
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3613649.8,   6.4,   6.4,   0.0);
     (489540.9, 3613667.3,   7.2,   7.2,   0.0);   (489591.3,
3613705.0,   7.6,   7.6,   0.0);
     (489610.5, 3613745.2,   7.8,   7.8,   0.0);   (489629.6,
3613785.4,   7.8,   7.8,   0.0);
     (489648.7, 3613825.6,   7.8,   7.8,   0.0);   (489667.8,
3613865.8,   7.7,   7.7,   0.0);
     (489686.9, 3613906.0,   7.8,   7.8,   0.0);   (489706.0,
3613946.1,   7.8,   7.8,   0.0);
     (489725.2, 3613986.3,   8.7,   8.7,   0.0);   (489744.3,
3614026.5,   8.0,   8.0,   0.0);
     (489170.5, 3613516.7,   4.4,   4.4,   0.0);   (489147.4,
3613515.6,   4.3,   4.3,   0.0);
     (489124.3, 3613514.5,   4.1,   4.1,   0.0);   (489101.2,
3613513.4,   4.0,   4.0,   0.0);
     (489218.8, 3613426.7,   3.8,   3.8,   0.0);   (489260.0,
3613444.4,   4.3,   4.3,   0.0);
     (489301.1, 3613462.2,   5.0,   5.0,   0.0);   (489342.3,
3613479.9,   5.8,   5.8,   0.0);
     (489383.5, 3613497.6,   6.5,   6.5,   0.0);   (489424.7,
3613515.4,   6.4,   6.4,   0.0);
     (489465.8, 3613533.1,   6.0,   6.0,   0.0);   (489507.0,
3613550.9,   6.9,   6.9,   0.0);
     (489548.2, 3613568.6,   6.8,   6.8,   0.0);   (489589.4,
3613586.3,   8.0,   8.0,   0.0);
     (489630.6, 3613604.1,   8.7,   8.7,   0.0);   (489660.8,
3613633.2,   8.7,   8.7,   0.0);
     (489680.0, 3613673.7,   8.6,   8.6,   0.0);   (489699.3,
3613714.1,   8.8,   8.8,   0.0);
     (489718.6, 3613754.6,   8.8,   8.8,   0.0);   (489737.8,
3613795.1,   8.5,   8.5,   0.0);
     (489757.1, 3613835.6,   9.2,   9.2,   0.0);   (489776.4,
3613876.1,   9.6,   9.6,   0.0);
     (489795.6, 3613916.6,   8.0,   8.0,   0.0);   (489814.9,
3613957.1,   6.6,   6.6,   0.0);
     (489834.1, 3613997.6,   7.0,   7.0,   0.0);   (489175.1,
3613416.8,   3.9,   3.9,   0.0);
     (489152.0, 3613415.7,   3.8,   3.8,   0.0);   (489129.0,
3613414.6,   3.9,   3.9,   0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 489105.9, 3613413.5,       4.0,       4.0,       0.0);         ( 489223.6,
3613326.9,       4.5,       4.5,       0.0);
     ( 489244.3, 3613335.8,       4.3,       4.3,       0.0);         ( 489265.0,
3613344.7,       4.3,       4.3,       0.0);
     ( 489285.7, 3613353.6,       4.6,       4.6,       0.0);         ( 489327.1,
3613371.5,       5.4,       5.4,       0.0);
     ( 489347.8, 3613380.4,       5.7,       5.7,       0.0);         ( 489389.2,
3613398.2,       5.8,       5.8,       0.0);
     ( 489409.9, 3613407.1,       6.3,       6.3,       0.0);         ( 489451.3,
3613425.0,       6.9,       6.9,       0.0);
     ( 489472.0, 3613433.9,       6.8,       6.8,       0.0);         ( 489513.5,
3613451.7,       7.1,       7.1,       0.0);
     ( 489534.2, 3613460.6,       7.3,       7.3,       0.0);         ( 489575.6,
3613478.5,       7.8,       7.8,       0.0);
     ( 489596.3, 3613487.4,       8.4,       8.4,       0.0);         ( 489637.7,
3613505.2,       8.8,       8.8,       0.0);
     ( 489658.4, 3613514.2,       8.9,       8.9,       0.0);         ( 489699.8,
3613532.0,       9.2,       9.2,       0.0);
     ( 489730.2, 3613561.3,       9.1,       9.1,       0.0);         ( 489739.9,
3613581.6,       8.8,       8.8,       0.0);
     ( 489759.3, 3613622.3,       9.4,       9.4,       0.0);         ( 489769.0,
3613642.7,       9.4,       9.4,       0.0);
     ( 489788.3, 3613683.4,       8.9,       8.9,       0.0);         ( 489807.7,
3613724.1,      10.9,      10.9,       0.0);
     ( 489827.1, 3613764.9,       9.4,       9.4,       0.0);         ( 489836.8,
3613785.2,       8.3,       8.3,       0.0);
     ( 489856.1, 3613825.9,       7.6,       7.6,       0.0);         ( 489875.5,
3613866.7,       7.3,       7.3,       0.0);
     ( 489894.9, 3613907.4,       8.1,       8.1,       0.0);         ( 489914.3,
3613948.1,       8.2,       8.2,       0.0);
     ( 489924.0, 3613968.5,       8.5,       8.5,       0.0);         ( 489943.3,
3614009.2,       8.7,       8.7,       0.0);
     ( 489179.8, 3613316.9,       3.9,       3.9,       0.0);         ( 489156.7,
3613315.8,       4.0,       4.0,       0.0);
     ( 489133.6, 3613314.7,       4.0,       4.0,       0.0);         ( 489110.6,
3613313.6,       3.8,       3.8,       0.0);
     ( 489233.0, 3613127.2,       4.6,       4.6,       0.0);         ( 489253.9,
3613136.1,       4.6,       4.6,       0.0);
     ( 489274.8, 3613145.1,       4.5,       4.5,       0.0);         ( 489295.7,
3613154.1,       4.5,       4.5,       0.0);
     ( 489316.5, 3613163.1,       4.5,       4.5,       0.0);         ( 489337.4,
3613172.1,       4.7,       4.7,       0.0);
     ( 489358.3, 3613181.1,       5.0,       5.0,       0.0);         ( 489379.2,
3613190.1,       5.4,       5.4,       0.0);
     ( 489400.0, 3613199.1,       5.8,       5.8,       0.0);         ( 489420.9,
3613208.1,       6.0,       6.0,       0.0);
     ( 489441.8, 3613217.1,       6.0,       6.0,       0.0);         ( 489462.7,
3613226.0,       6.1,       6.1,       0.0);
     ( 489483.5, 3613235.0,       6.4,       6.4,       0.0);         ( 489504.4,
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3613244.0,   6.5,   6.5,   0.0);
     (489525.3, 3613253.0,   6.5,   6.5,   0.0);   (489546.2,
3613262.0,   6.6,   6.6,   0.0);
     (489567.0, 3613271.0,   6.6,   6.6,   0.0);   (489587.9,
3613280.0,   7.6,   7.6,   0.0);
     (489608.8, 3613289.0,   7.9,   7.9,   0.0);   (489629.7,
3613298.0,   8.1,   8.1,   0.0);
     (489650.5, 3613307.0,   8.1,   8.1,   0.0);   (489671.4,
3613316.0,   7.6,   7.6,   0.0);
     (489692.3, 3613324.9,   4.4,   10.4,   0.0);   (489713.2,
3613333.9,   2.5,   10.4,   0.0);
     (489734.0, 3613342.9,   2.2,   10.4,   0.0);   (489754.9,
3613351.9,   3.3,   10.4,   0.0);
     (489775.8, 3613360.9,   2.2,   10.4,   0.0);   (489796.7,
3613369.9,   1.8,   10.3,   0.0);
     (489817.5, 3613378.9,   1.6,   10.6,   0.0);   (489838.4,
3613387.9,   1.6,   10.6,   0.0);
     (489869.0, 3613417.4,   2.0,   10.6,   0.0);   (489878.8,
3613437.9,   3.0,   7.0,   0.0);
     (489888.6, 3613458.4,   6.2,   6.2,   0.0);   (489898.3,
3613479.0,   7.5,   7.5,   0.0);
     (489908.1, 3613499.5,   7.8,   7.8,   0.0);   (489917.9,
3613520.0,   6.0,   6.0,   0.0);
     (489927.6, 3613540.5,   4.2,   9.7,   0.0);   (489937.4,
3613561.1,   3.0,   9.7,   0.0);
     (489947.2, 3613581.6,   3.0,   7.9,   0.0);   (489956.9,
3613602.1,   2.4,   7.9,   0.0);
     (489966.7, 3613622.6,   2.6,   2.6,   0.0);   (489976.5,
3613643.2,   2.9,   2.9,   0.0);
     (489986.2, 3613663.7,   3.4,   3.4,   0.0);   (489996.0,
3613684.2,   3.0,   3.0,   0.0);
     (490005.8, 3613704.7,   1.5,   1.5,   0.0);   (490015.5,
3613725.2,   1.9,   1.9,   0.0);
     (490025.3, 3613745.8,   3.4,   3.4,   0.0);   (490035.0,
3613766.3,   4.1,   4.1,   0.0);
     (490044.8, 3613786.8,   4.1,   4.1,   0.0);   (490054.6,
3613807.3,   3.9,   3.9,   0.0);
     (490064.3, 3613827.9,   3.8,   3.8,   0.0);   (490074.1,
3613848.4,   4.1,   4.1,   0.0);
     (490083.9, 3613868.9,   3.9,   3.9,   0.0);   (490093.6,
3613889.4,   3.2,   3.2,   0.0);

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(490103.4, 3613910.0, 3.0, 3.0, 0.0); (490113.2, 3613930.5, 2.9, 2.9, 0.0);
(490122.9, 3613951.0, 3.1, 3.1, 0.0); (489212.2, 3613118.2, 4.4, 4.4, 0.0);
(489189.1, 3613117.1, 4.2, 4.2, 0.0); (489166.0, 3613116.0, 4.0, 4.0, 0.0);
(489143.0, 3613114.9, 3.8, 3.8, 0.0); (489119.9, 3613113.9, 3.9, 3.9, 0.0);
(489242.5, 3612927.4, 4.1, 4.1, 0.0); (489263.5, 3612936.5, 4.1, 4.1, 0.0);
(489284.5, 3612945.5, 4.1, 4.1, 0.0); (489305.5, 3612954.5, 4.3, 4.3, 0.0);
(489326.5, 3612963.6, 4.4, 4.4, 0.0); (489347.4, 3612972.6, 4.3, 4.3, 0.0);
(489368.4, 3612981.7, 4.1, 4.1, 0.0); (489389.4, 3612990.7, 4.1, 4.1, 0.0);
(489410.4, 3612999.7, 4.3, 4.3, 0.0); (489431.4, 3613008.8, 4.6, 4.6, 0.0);
(489452.4, 3613017.8, 4.9, 4.9, 0.0); (489473.4, 3613026.9, 5.1, 5.1, 0.0);
(489494.3, 3613035.9, 5.3, 5.3, 0.0); (489515.3, 3613044.9, 5.5, 5.5, 0.0);
(489536.3, 3613054.0, 6.0, 6.0, 0.0); (489557.3, 3613063.0, 6.2, 6.2, 0.0);
(489578.3, 3613072.0, 6.4, 6.4, 0.0); (489599.3, 3613081.1, 6.5, 6.5, 0.0);
(489620.3, 3613090.1, 6.5, 6.5, 0.0); (489641.2, 3613099.2, 6.6, 6.6, 0.0);
(489662.2, 3613108.2, 7.0, 7.0, 0.0); (489683.2, 3613117.2, 7.5, 7.5, 0.0);
(489704.2, 3613126.3, 6.4, 7.4, 0.0); (489725.2, 3613135.3, 3.1, 7.4, 0.0);
(489746.2, 3613144.4, 1.6, 7.4, 0.0); (489767.2, 3613153.4, 1.5, 1.5, 0.0);
(489788.2, 3613162.4, 1.5, 1.5, 0.0); (489809.1, 3613171.5, 1.5, 1.5, 0.0);
(489830.1, 3613180.5, 1.5, 1.5, 0.0); (489851.1, 3613189.6, 1.5, 1.5, 0.0);
(489872.1, 3613198.6, 1.5, 1.5, 0.0); (489893.1, 3613207.6, 1.5, 1.5, 0.0);
(489914.1, 3613216.7, 1.5, 1.5, 0.0); (489935.1, 3613225.7, 1.8, 1.8, 0.0);
(489956.1, 3613234.8, 2.2, 2.2, 0.0); (489977.0, 3613243.8, 4.0, 4.0, 0.0);
(490007.8, 3613273.5, 4.4, 4.4, 0.0); (490017.7, 3613294.1, 4.2, 4.2, 0.0);
(490027.5, 3613314.7, 4.3, 4.3, 0.0); (490037.3,

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3613335.4,       2.5,       5.3,       0.0);
     ( 490047.1, 3613356.0,       2.6,       2.6,       0.0);         ( 490056.9,
3613376.6,       3.3,       3.3,       0.0);
     ( 490066.8, 3613397.3,       3.8,       3.8,       0.0);         ( 490076.6,
3613417.9,       4.2,       4.2,       0.0);
     ( 490086.4, 3613438.5,       4.3,       4.3,       0.0);         ( 490096.2,
3613459.2,       3.7,       3.7,       0.0);
     ( 490106.0, 3613479.8,       3.9,       3.9,       0.0);         ( 490115.8,
3613500.4,       4.3,       4.3,       0.0);
     ( 490125.7, 3613521.1,       4.2,       4.2,       0.0);         ( 490135.5,
3613541.7,       4.1,       4.1,       0.0);
     ( 490145.3, 3613562.3,       3.9,       3.9,       0.0);         ( 490155.1,
3613583.0,       3.6,       3.6,       0.0);
     ( 490164.9, 3613603.6,       3.8,       3.8,       0.0);         ( 490174.8,
3613624.2,       4.0,       4.0,       0.0);
     ( 490184.6, 3613644.9,       4.1,       4.1,       0.0);         ( 490194.4,
3613665.5,       3.2,       3.2,       0.0);
     ( 490204.2, 3613686.1,       2.9,       2.9,       0.0);         ( 490214.0,
3613706.8,       3.1,       3.1,       0.0);
     ( 490223.8, 3613727.4,       3.2,       3.2,       0.0);         ( 490233.6,
3613748.1,       3.4,       3.4,       0.0);
     ( 490243.5, 3613768.7,       3.8,       3.8,       0.0);         ( 490253.3,
3613789.3,       4.1,       4.1,       0.0);
     ( 490263.1, 3613810.0,       4.2,       4.2,       0.0);         ( 490272.9,
3613830.6,       4.0,       4.0,       0.0);
     ( 490282.7, 3613851.2,       4.3,       4.3,       0.0);         ( 490292.6,
3613871.9,       4.5,       4.5,       0.0);
     ( 490302.4, 3613892.5,       4.7,       4.7,       0.0);         ( 490351.5,
3613995.7,       5.8,       5.8,       0.0);
     ( 489221.5, 3612918.4,       4.0,       4.0,       0.0);         ( 489198.4,
3612917.3,       3.8,       3.8,       0.0);
     ( 489175.4, 3612916.2,       3.8,       3.8,       0.0);         ( 489152.3,
3612915.1,       3.8,       3.8,       0.0);
     ( 489129.2, 3612914.1,       3.7,       3.7,       0.0);         ( 489251.9,
3612727.7,       4.0,       4.0,       0.0);
     ( 489273.0, 3612736.8,       3.9,       3.9,       0.0);         ( 489294.0,
3612745.8,       4.0,       4.0,       0.0);
     ( 489315.1, 3612754.9,       4.1,       4.1,       0.0);         ( 489336.2,
3612764.0,       4.2,       4.2,       0.0);
     ( 489357.2, 3612773.0,       4.1,       4.1,       0.0);         ( 489378.3,
3612782.1,       4.0,       4.0,       0.0);
     ( 489399.4, 3612791.2,       3.9,       3.9,       0.0);         ( 489420.5,
3612800.3,       3.8,       3.8,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***       09:06:31

                                  PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(489441.5, 3612809.3, 3.6, 3.6, 0.0); (489462.6, 3612818.4, 4.3, 4.3, 0.0);
(489483.7, 3612827.5, 4.5, 4.5, 0.0); (489504.7, 3612836.6, 4.6, 4.6, 0.0);
(489525.8, 3612845.6, 4.7, 4.7, 0.0); (489546.9, 3612854.7, 4.9, 4.9, 0.0);
(489567.9, 3612863.8, 5.1, 5.1, 0.0); (489589.0, 3612872.9, 5.2, 5.2, 0.0);
(489610.1, 3612881.9, 5.3, 5.3, 0.0); (489631.1, 3612891.0, 5.5, 5.5, 0.0);
(489652.2, 3612900.1, 5.7, 5.7, 0.0); (489673.3, 3612909.2, 5.8, 5.8, 0.0);
(489694.3, 3612918.2, 5.9, 5.9, 0.0); (489715.4, 3612927.3, 5.5, 5.5, 0.0);
(489736.5, 3612936.4, 5.6, 5.6, 0.0); (489757.5, 3612945.5, 5.8, 5.8, 0.0);
(489778.6, 3612954.5, 5.8, 5.8, 0.0); (489799.7, 3612963.6, 3.4, 6.3, 0.0);
(489820.8, 3612972.7, 2.6, 6.5, 0.0); (489841.8, 3612981.8, 1.8, 6.5, 0.0);
(489862.9, 3612990.8, 1.3, 1.3, 0.0); (489884.0, 3612999.9, 0.6, 0.6, 0.0);
(489905.0, 3613009.0, 1.1, 1.1, 0.0); (489926.1, 3613018.0, 1.4, 1.4, 0.0);
(489947.2, 3613027.1, 1.5, 1.5, 0.0); (489968.2, 3613036.2, 1.4, 1.4, 0.0);
(489989.3, 3613045.3, 1.5, 1.5, 0.0); (490010.4, 3613054.3, 2.2, 2.2, 0.0);
(490031.4, 3613063.4, 4.0, 4.0, 0.0); (490052.5, 3613072.5, 4.7, 4.7, 0.0);
(490073.6, 3613081.6, 4.6, 4.6, 0.0); (490094.6, 3613090.6, 4.2, 4.2, 0.0);
(490115.7, 3613099.7, 4.4, 4.4, 0.0); (490146.6, 3613129.5, 5.0, 5.0, 0.0);
(490156.5, 3613150.2, 5.3, 5.3, 0.0); (490166.3, 3613170.9, 5.4, 5.4, 0.0);
(490176.2, 3613191.6, 5.3, 5.3, 0.0); (490186.1, 3613212.4, 5.2, 5.2, 0.0);
(490195.9, 3613233.1, 4.8, 4.8, 0.0); (490205.8, 3613253.8, 4.4, 4.4, 0.0);
(490215.6, 3613274.5, 4.4, 4.4, 0.0); (490225.5, 3613295.2, 4.1, 4.1, 0.0);
(490235.3, 3613315.9, 3.9, 3.9, 0.0); (490245.2, 3613336.6, 4.0, 4.0, 0.0);
(490255.0, 3613357.4, 4.1, 4.1, 0.0); (490264.9,

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3613378.1,       4.1,       4.1,       0.0);
     ( 490274.8, 3613398.8,       3.7,       3.7,       0.0);         ( 490284.6,
3613419.5,       3.7,       3.7,       0.0);
     ( 490294.5, 3613440.2,       3.8,       3.8,       0.0);         ( 490304.3,
3613460.9,       4.4,       4.4,       0.0);
     ( 490314.2, 3613481.6,       4.2,       4.2,       0.0);         ( 490324.0,
3613502.4,       4.1,       4.1,       0.0);
     ( 490333.9, 3613523.1,       4.3,       4.3,       0.0);         ( 490343.8,
3613543.8,       4.3,       4.3,       0.0);
     ( 490353.6, 3613564.5,       4.4,       4.4,       0.0);         ( 490363.5,
3613585.2,       4.3,       4.3,       0.0);
     ( 490373.3, 3613605.9,       4.3,       4.3,       0.0);         ( 490383.2,
3613626.6,       4.0,       4.0,       0.0);
     ( 490393.0, 3613647.4,       3.6,       3.6,       0.0);         ( 490402.9,
3613668.1,       3.2,       3.2,       0.0);
     ( 490412.7, 3613688.8,       3.6,       3.6,       0.0);         ( 490422.6,
3613709.5,       4.0,       4.0,       0.0);
     ( 490432.5, 3613730.2,       4.2,       4.2,       0.0);         ( 490442.3,
3613750.9,       4.3,       4.3,       0.0);
     ( 490452.2, 3613771.6,       4.2,       4.2,       0.0);         ( 490462.0,
3613792.4,       4.2,       4.2,       0.0);
     ( 490471.9, 3613813.1,       4.3,       4.3,       0.0);         ( 490481.7,
3613833.8,       4.4,       4.4,       0.0);
     ( 490491.6, 3613854.5,       4.7,       4.7,       0.0);         ( 490540.9,
3613958.1,       5.1,       5.1,       0.0);
     ( 490550.7, 3613978.8,       5.2,       5.2,       0.0);         ( 489230.8,
3612718.6,       4.1,       4.1,       0.0);
     ( 489207.8, 3612717.5,       4.3,       4.3,       0.0);         ( 489184.7,
3612716.4,       4.4,       4.4,       0.0);
     ( 489161.6, 3612715.4,       4.5,       4.5,       0.0);         ( 489138.6,
3612714.3,       4.4,       4.4,       0.0);
     ( 489261.3, 3612527.9,       5.3,       5.3,       0.0);         ( 489282.4,
3612537.0,       5.3,       5.3,       0.0);
     ( 489303.6, 3612546.1,       5.2,       5.2,       0.0);         ( 489324.7,
3612555.2,       5.2,       5.2,       0.0);
     ( 489345.8, 3612564.3,       5.2,       5.2,       0.0);         ( 489367.0,
3612573.4,       5.2,       5.2,       0.0);
     ( 489388.1, 3612582.5,       5.1,       5.1,       0.0);         ( 489409.2,
3612591.6,       5.0,       5.0,       0.0);
     ( 489430.3, 3612600.7,       5.0,       5.0,       0.0);         ( 489451.5,
3612609.8,       5.0,       5.0,       0.0);
     ( 489472.6, 3612618.9,       5.0,       5.0,       0.0);         ( 489493.7,
3612628.0,       5.0,       5.0,       0.0);
     ( 489514.9, 3612637.1,       5.1,       5.1,       0.0);         ( 489536.0,
3612646.2,       5.1,       5.1,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***       09:06:31
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(489557.1, 3612655.3, 5.2, 5.2, 0.0); (489578.2, 3612664.4, 5.3, 5.3, 0.0);
(489599.4, 3612673.5, 5.4, 5.4, 0.0); (489620.5, 3612682.6, 5.0, 5.0, 0.0);
(489641.6, 3612691.7, 4.2, 4.2, 0.0); (489662.8, 3612700.8, 2.9, 5.6, 0.0);
(489683.9, 3612709.9, 3.4, 5.9, 0.0); (489705.0, 3612719.0, 5.1, 5.1, 0.0);
(489726.2, 3612728.1, 5.6, 5.6, 0.0); (489747.3, 3612737.2, 4.3, 4.3, 0.0);
(489768.4, 3612746.3, 4.6, 6.0, 0.0); (489789.5, 3612755.4, 6.1, 6.1, 0.0);
(489810.7, 3612764.5, 5.8, 5.8, 0.0); (489831.8, 3612773.6, 5.0, 5.0, 0.0);
(489852.9, 3612782.7, 5.2, 5.4, 0.0); (489874.1, 3612791.8, 5.6, 5.6, 0.0);
(489895.2, 3612800.9, 5.5, 5.5, 0.0); (489916.3, 3612810.0, 5.2, 5.2, 0.0);
(489937.5, 3612819.1, 4.3, 5.1, 0.0); (489958.6, 3612828.2, 2.1, 5.1, 0.0);
(489979.7, 3612837.3, 1.0, 1.0, 0.0); (490000.8, 3612846.4, 1.6, 1.6, 0.0);
(490022.0, 3612855.5, 1.4, 1.4, 0.0); (490043.1, 3612864.6, 1.3, 1.3, 0.0);
(490064.2, 3612873.7, 1.8, 4.8, 0.0); (490085.4, 3612882.8, 4.5, 4.5, 0.0);
(490106.5, 3612891.9, 5.1, 5.1, 0.0); (490127.6, 3612901.0, 5.2, 5.2, 0.0);
(490148.8, 3612910.1, 4.8, 4.8, 0.0); (490169.9, 3612919.2, 3.8, 3.8, 0.0);
(490191.0, 3612928.3, 4.5, 4.5, 0.0); (490212.1, 3612937.4, 4.1, 4.1, 0.0);
(490233.3, 3612946.5, 4.2, 4.2, 0.0); (490254.4, 3612955.6, 3.8, 3.8, 0.0);
(490285.4, 3612985.5, 2.8, 2.8, 0.0); (490295.3, 3613006.3, 2.2, 2.2, 0.0);
(490305.2, 3613027.1, 1.9, 1.9, 0.0); (490315.1, 3613047.8, 3.3, 3.3, 0.0);
(490325.0, 3613068.6, 4.5, 4.5, 0.0); (490334.8, 3613089.4, 5.4, 5.4, 0.0);
(490344.7, 3613110.2, 5.6, 5.6, 0.0); (490354.6, 3613130.9, 5.6, 5.6, 0.0);
(490364.5, 3613151.7, 5.5, 5.5, 0.0); (490374.4,

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3613172.5,       5.3,       5.3,       0.0);
     ( 490384.3, 3613193.3,       5.4,       5.4,       0.0);         ( 490394.1,
3613214.0,       5.5,       5.5,       0.0);
     ( 490404.0, 3613234.8,       5.6,       5.6,       0.0);         ( 490413.9,
3613255.6,       5.7,       5.7,       0.0);
     ( 490423.8, 3613276.4,       5.7,       5.7,       0.0);         ( 490433.7,
3613297.1,       5.2,       5.2,       0.0);
     ( 490443.6, 3613317.9,       5.2,       5.2,       0.0);         ( 490453.5,
3613338.7,       5.6,       5.6,       0.0);
     ( 490463.3, 3613359.5,       5.6,       5.6,       0.0);         ( 490473.2,
3613380.2,       5.4,       5.4,       0.0);
     ( 490483.1, 3613401.0,       5.1,       5.1,       0.0);         ( 490493.0,
3613421.8,       5.6,       5.6,       0.0);
     ( 490502.9, 3613442.6,       6.4,       6.4,       0.0);         ( 490512.8,
3613463.3,       6.6,       6.6,       0.0);
     ( 490522.6, 3613484.1,       7.1,       7.1,       0.0);         ( 490532.5,
3613504.9,       7.3,       7.3,       0.0);
     ( 490542.4, 3613525.7,       7.2,       7.2,       0.0);         ( 490552.3,
3613546.4,       7.2,       7.2,       0.0);
     ( 490562.2, 3613567.2,       7.3,       7.3,       0.0);         ( 490572.1,
3613588.0,       7.4,       7.4,       0.0);
     ( 490582.0, 3613608.8,       7.3,       7.3,       0.0);         ( 490591.8,
3613629.5,       7.5,       7.5,       0.0);
     ( 490601.7, 3613650.3,       8.0,       8.0,       0.0);         ( 490611.6,
3613671.1,       8.8,       8.8,       0.0);
     ( 490621.5, 3613691.9,       9.0,       9.0,       0.0);         ( 490631.4,
3613712.6,       9.1,       9.1,       0.0);
     ( 490641.3, 3613733.4,       9.2,       9.2,       0.0);         ( 490651.1,
3613754.2,       9.1,       9.1,       0.0);
     ( 490661.0, 3613775.0,       9.2,       9.2,       0.0);         ( 490670.9,
3613795.7,       9.7,       9.7,       0.0);
     ( 490680.8, 3613816.5,       9.7,       9.7,       0.0);         ( 490690.7,
3613837.3,       9.9,       9.9,       0.0);
     ( 490730.2, 3613920.4,      11.9,      11.9,       0.0);         ( 490740.1,
3613941.2,      12.2,      12.2,       0.0);
     ( 490750.0, 3613961.9,      13.1,      13.1,       0.0);         ( 489240.2,
3612518.8,       5.2,       5.2,       0.0);
     ( 489217.1, 3612517.8,       5.2,       5.2,       0.0);         ( 489194.0,
3612516.7,       5.2,       5.2,       0.0);
     ( 489171.0, 3612515.6,       5.1,       5.1,       0.0);         ( 489147.9,
3612514.5,       5.0,       5.0,       0.0);
     ( 489270.7, 3612328.2,       0.1,       0.1,       0.0);         ( 489291.9,
3612337.3,       0.1,       0.1,       0.0);
     ( 489313.0, 3612346.4,       0.1,       0.1,       0.0);         ( 489334.2,
3612355.5,       0.1,       0.1,       0.0);
     ( 489355.4, 3612364.6,       0.1,       0.1,       0.0);         ( 489376.6,
3612373.8,       0.1,       0.1,       0.0);
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(489397.8, 3612382.9, 0.1, 3.7, 0.0); (489418.9, 3612392.0, 0.6, 3.3, 0.0);
(489440.1, 3612401.1, 0.1, 0.1, 0.0); (489461.3, 3612410.2, 0.1, 0.1, 0.0);
(489482.5, 3612419.4, 0.6, 4.1, 0.0); (489503.6, 3612428.5, 2.8, 2.8, 0.0);
(489524.8, 3612437.6, 3.3, 3.3, 0.0); (489546.0, 3612446.7, 3.6, 3.6, 0.0);
(489567.2, 3612455.9, 3.3, 3.3, 0.0); (489588.3, 3612465.0, 1.8, 1.8, 0.0);
(489609.5, 3612474.1, 2.4, 2.4, 0.0); (489630.7, 3612483.2, 2.9, 2.9, 0.0);
(489651.9, 3612492.3, 3.3, 3.3, 0.0); (489673.1, 3612501.5, 3.3, 3.3, 0.0);
(489694.2, 3612510.6, 0.5, 3.6, 0.0); (489715.4, 3612519.7, -0.3, -0.3, 0.0);
(489736.6, 3612528.8, -0.4, -0.4, 0.0); (489757.8, 3612537.9, -0.4, -0.4, 0.0);
(489779.0, 3612547.1, -0.4, -0.4, 0.0); (489800.1, 3612556.2, -0.4, -0.4, 0.0);
(489821.3, 3612565.3, -0.4, -0.4, 0.0); (489842.5, 3612574.4, -0.4, -0.4, 0.0);
(489863.7, 3612583.6, -0.4, -0.4, 0.0); (489884.8, 3612592.7, -0.4, -0.4, 0.0);
(489906.0, 3612601.8, -0.4, -0.4, 0.0); (489927.2, 3612610.9, -0.4, 5.4, 0.0);
(489948.4, 3612620.0, 1.0, 5.6, 0.0); (489969.5, 3612629.2, 4.0, 5.6, 0.0);
(489990.7, 3612638.3, 5.0, 5.0, 0.0); (490011.9, 3612647.4, 3.1, 3.1, 0.0);
(490033.1, 3612656.5, 0.8, 0.8, 0.0); (490054.3, 3612665.6, 1.3, 1.3, 0.0);
(490075.4, 3612674.8, 1.3, 1.3, 0.0); (490096.6, 3612683.9, 1.4, 8.6, 0.0);
(490117.8, 3612693.0, 1.8, 8.6, 0.0); (490139.0, 3612702.1, 4.3, 8.6, 0.0);
(490160.1, 3612711.2, 5.2, 8.6, 0.0); (490181.3, 3612720.4, 5.8, 5.8, 0.0);
(490202.5, 3612729.5, 5.7, 5.7, 0.0); (490223.7, 3612738.6, 5.7, 12.4, 0.0);
(490244.9, 3612747.7, 8.6, 11.9, 0.0); (490266.0,

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3612756.9,      11.6,      11.6,       0.0);
     ( 490287.2, 3612766.0,      12.6,      12.6,       0.0);         ( 490308.4,
3612775.1,      13.5,      13.5,       0.0);
     ( 490329.6, 3612784.2,      12.2,      14.7,       0.0);         ( 490350.8,
3612793.3,       5.0,      17.2,       0.0);
     ( 490371.9, 3612802.5,       3.8,      17.2,       0.0);         ( 490393.1,
3612811.6,       6.5,      17.2,       0.0);
     ( 490424.2, 3612841.5,       4.7,      17.2,       0.0);         ( 490434.1,
3612862.3,       3.9,      17.2,       0.0);
     ( 490444.0, 3612883.2,       3.9,      17.2,       0.0);         ( 490453.9,
3612904.0,       3.9,      17.2,       0.0);
     ( 490463.8, 3612924.8,       4.1,       4.1,       0.0);         ( 490473.7,
3612945.6,       4.1,       4.1,       0.0);
     ( 490483.6, 3612966.5,       4.0,       4.0,       0.0);         ( 490493.5,
3612987.3,       4.1,       4.1,       0.0);
     ( 490503.5, 3613008.1,       4.3,       4.3,       0.0);         ( 490513.4,
3613028.9,       4.6,       4.6,       0.0);
     ( 490523.3, 3613049.8,       5.0,       5.0,       0.0);         ( 490533.2,
3613070.6,       5.7,       5.7,       0.0);
     ( 490543.1, 3613091.4,       6.6,       6.6,       0.0);         ( 490553.0,
3613112.2,       6.7,       6.7,       0.0);
     ( 490562.9, 3613133.0,       6.8,       6.8,       0.0);         ( 490572.8,
3613153.9,       7.1,       7.1,       0.0);
     ( 490582.7, 3613174.7,       7.6,       7.6,       0.0);         ( 490592.6,
3613195.5,       7.7,       7.7,       0.0);
     ( 490602.5, 3613216.3,       7.8,       7.8,       0.0);         ( 490612.4,
3613237.1,       7.8,       7.8,       0.0);
     ( 490622.3, 3613258.0,       8.0,       8.0,       0.0);         ( 490632.2,
3613278.8,       8.1,       8.1,       0.0);
     ( 490642.1, 3613299.6,       8.2,       8.2,       0.0);         ( 490652.0,
3613320.4,       8.3,       8.3,       0.0);
     ( 490662.0, 3613341.3,       8.5,       8.5,       0.0);         ( 490671.9,
3613362.1,       8.7,       8.7,       0.0);
     ( 490681.8, 3613382.9,       9.0,       9.0,       0.0);         ( 490691.7,
3613403.7,       9.4,       9.4,       0.0);
     ( 490701.6, 3613424.5,      10.0,      10.0,       0.0);         ( 490711.5,
3613445.4,      10.8,      10.8,       0.0);
     ( 490721.4, 3613466.2,      11.3,      11.3,       0.0);         ( 490731.3,
3613487.0,      12.4,      16.3,       0.0);
     ( 490741.2, 3613507.8,      13.0,      16.3,       0.0);         ( 490751.1,
3613528.7,      13.8,      16.0,       0.0);
     ( 490761.0, 3613549.5,      14.4,      14.4,       0.0);         ( 490770.9,
3613570.3,      15.2,      15.2,       0.0);
     ( 490780.8, 3613591.1,      15.8,      17.2,       0.0);         ( 490790.8,
3613611.9,      15.6,      15.6,       0.0);
     ( 490800.6, 3613632.8,      15.9,      15.9,       0.0);         ( 490810.6,
3613653.6,      16.8,      16.8,       0.0);
     ( 490820.5, 3613674.4,      17.8,      17.8,       0.0);         ( 490830.4,
3613695.2,      17.4,      17.4,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(490840.3, 3613716.0, 17.8, 17.8, 0.0); (490850.2, 3613736.9, 18.1, 18.1, 0.0);
(490860.1, 3613757.7, 18.4, 18.4, 0.0); (490870.0, 3613778.5, 18.8, 18.8, 0.0);
(490879.9, 3613799.3, 18.9, 18.9, 0.0); (490929.4, 3613903.4, 18.7, 18.7, 0.0);
(490939.3, 3613924.3, 18.6, 18.6, 0.0); (490949.2, 3613945.1, 18.9, 18.9, 0.0);
(489249.5, 3612319.0, 0.1, 0.1, 0.0); (489226.4, 3612318.0, 0.1, 0.1, 0.0);
(489203.4, 3612316.9, 0.1, 0.1, 0.0); (489180.3, 3612315.8, 0.2, 0.2, 0.0);
(489157.2, 3612314.7, 0.2, 3.7, 0.0); (489289.1, 3611928.5, 4.3, 4.3, 0.0);
(489310.0, 3611937.5, 4.3, 4.3, 0.0); (489331.0, 3611946.5, 4.0, 4.0, 0.0);
(489351.9, 3611955.5, 3.6, 3.6, 0.0); (489372.8, 3611964.6, 3.4, 3.4, 0.0);
(489393.8, 3611973.6, 3.3, 3.3, 0.0); (489414.7, 3611982.6, 3.4, 3.4, 0.0);
(489435.7, 3611991.6, 3.6, 3.6, 0.0); (489456.6, 3612000.6, 3.7, 3.7, 0.0);
(489477.5, 3612009.6, 3.5, 3.5, 0.0); (489498.5, 3612018.7, 3.5, 3.5, 0.0);
(489519.4, 3612027.7, 3.5, 3.5, 0.0); (489540.3, 3612036.7, 3.6, 3.6, 0.0);
(489561.3, 3612045.7, 3.6, 3.6, 0.0); (489582.2, 3612054.7, 3.8, 3.8, 0.0);
(489603.1, 3612063.8, 3.7, 3.7, 0.0); (489624.1, 3612072.8, 3.5, 3.5, 0.0);
(489645.0, 3612081.8, 3.3, 3.3, 0.0); (489666.0, 3612090.8, 3.4, 3.4, 0.0);
(489686.9, 3612099.8, 3.3, 3.3, 0.0); (489707.8, 3612108.8, 3.3, 3.3, 0.0);
(489728.8, 3612117.8, 3.3, 3.3, 0.0); (489749.7, 3612126.9, 3.2, 3.2, 0.0);
(489770.6, 3612135.9, 3.3, 3.3, 0.0); (489791.6, 3612144.9, 3.4, 3.4, 0.0);
(489812.5, 3612153.9, 3.4, 3.4, 0.0); (489833.4,

```
3612162.9,       3.4,       3.4,       0.0);
     ( 489854.4, 3612171.9,       3.2,       3.2,       0.0);         ( 489875.3,
3612181.0,       2.2,       2.2,       0.0);
     ( 489896.2, 3612190.0,       1.5,       1.5,       0.0);         ( 489917.2,
3612199.0,       1.3,       1.3,       0.0);
     ( 489938.1, 3612208.0,       1.2,       1.2,       0.0);         ( 489959.0,
3612217.0,       0.8,       0.8,       0.0);
     ( 489980.0, 3612226.0,       1.0,       1.0,       0.0);         ( 490000.9,
3612235.1,       1.1,       1.1,       0.0);
     ( 490021.8, 3612244.1,       1.2,       1.2,       0.0);         ( 490042.8,
3612253.1,       1.5,       1.5,       0.0);
     ( 490063.7, 3612262.1,       2.4,       2.4,       0.0);         ( 490084.7,
3612271.1,       4.2,       4.2,       0.0);
     ( 490105.6, 3612280.1,       4.4,       4.4,       0.0);         ( 490126.5,
3612289.2,       3.7,       3.7,       0.0);
     ( 490147.5, 3612298.2,       1.8,       3.0,       0.0);         ( 490168.4,
3612307.2,       0.6,      14.1,       0.0);
     ( 490189.3, 3612316.2,       1.2,      14.1,       0.0);         ( 490210.3,
3612325.2,       1.4,      14.1,       0.0);
     ( 490231.2, 3612334.2,       2.5,      14.1,       0.0);         ( 490252.1,
3612343.3,       3.7,      14.1,       0.0);
     ( 490273.1, 3612352.3,       4.0,      14.1,       0.0);         ( 490294.0,
3612361.3,       3.8,      14.1,       0.0);
     ( 490315.0, 3612370.3,       4.1,      14.1,       0.0);         ( 490335.9,
3612379.3,       3.9,      15.1,       0.0);
     ( 490356.8, 3612388.4,       3.8,      15.1,       0.0);         ( 490377.8,
3612397.4,       5.1,      15.1,       0.0);
     ( 490398.7, 3612406.4,       4.4,      15.1,       0.0);         ( 490419.6,
3612415.4,      12.2,      15.1,       0.0);
     ( 490440.6, 3612424.4,      10.1,      15.1,       0.0);         ( 490461.5,
3612433.4,       5.9,      15.1,       0.0);
     ( 490482.4, 3612442.5,       4.5,      15.3,       0.0);         ( 490503.4,
3612451.5,       4.4,      15.3,       0.0);
     ( 490524.3, 3612460.5,       4.5,      16.0,       0.0);         ( 490545.2,
3612469.5,       4.4,      16.0,       0.0);
     ( 490566.2, 3612478.5,       4.5,      16.0,       0.0);         ( 490587.1,
3612487.5,       4.8,      15.5,       0.0);
     ( 490608.0, 3612496.6,       4.6,      15.5,       0.0);         ( 490629.0,
3612505.6,       4.7,       4.7,       0.0);
     ( 490649.9, 3612514.6,       4.6,       4.6,       0.0);         ( 490670.9,
3612523.6,       4.6,       4.6,       0.0);
     ( 490701.6, 3612553.2,       5.0,       5.0,       0.0);         ( 490711.4,
3612573.8,       5.2,       5.2,       0.0);
     ( 490721.2, 3612594.4,       5.2,       5.2,       0.0);         ( 490731.0,
3612615.0,       5.3,       5.3,       0.0);
     ( 490740.8, 3612635.5,       5.6,       8.3,       0.0);         ( 490750.5,
3612656.1,       7.6,       7.6,       0.0);
     ( 490760.3, 3612676.7,       6.1,       6.1,       0.0);         ( 490770.1,
3612697.3,       4.4,       6.7,       0.0);
     ( 490779.9, 3612717.9,       1.8,      10.3,       0.0);         ( 490789.7,
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

     (490799.5, 3612759.0,   1.0,   1.0,   0.0);   (490809.3,
3612779.6,   1.0,   1.0,   0.0);
     (490819.1, 3612800.2,   1.0,   12.5,   0.0);   (490828.9,
3612820.8,   1.8,   12.5,   0.0);
     (490838.7, 3612841.4,   4.1,   12.5,   0.0);   (490848.5,
3612862.0,   4.9,   12.5,   0.0);
     (490858.3, 3612882.5,   5.9,   5.9,   0.0);   (490868.1,
3612903.1,   5.2,   5.2,   0.0);
     (490877.9, 3612923.7,   5.7,   5.7,   0.0);   (490887.7,
3612944.3,   5.1,   5.1,   0.0);
     (490897.5, 3612964.9,   3.8,   3.8,   0.0);   (490907.2,
3612985.5,   4.0,   4.0,   0.0);
     (490917.0, 3613006.0,   4.4,   4.4,   0.0);   (490926.8,
3613026.6,   4.7,   4.7,   0.0);
     (490936.6, 3613047.2,   5.0,   5.0,   0.0);   (490946.4,
3613067.8,   5.2,   5.2,   0.0);
     (490956.2, 3613088.4,   5.1,   14.8,   0.0);   (490966.0,
3613109.0,   4.9,   16.0,   0.0);
     (490975.8, 3613129.6,   5.0,   16.0,   0.0);   (490985.6,
3613150.1,   5.3,   16.6,   0.0);
     (490995.4, 3613170.7,   6.0,   16.6,   0.0);   (491005.2,
3613191.3,   7.0,   16.1,   0.0);
     (491015.0, 3613211.9,   8.3,   16.1,   0.0);   (491024.8,
3613232.5,   10.3,   15.9,   0.0);
     (491034.6, 3613253.1,   12.2,   14.6,   0.0);   (491044.4,
3613273.6,   13.8,   13.8,   0.0);
     (491054.1, 3613294.2,   14.8,   14.8,   0.0);   (491063.9,
3613314.8,   15.2,   15.2,   0.0);
     (491073.7, 3613335.4,   15.6,   15.6,   0.0);   (491083.5,
3613356.0,   16.3,   16.3,   0.0);
     (491093.3, 3613376.6,   16.9,   16.9,   0.0);   (491103.1,
3613397.1,   17.2,   17.2,   0.0);
     (491112.9, 3613417.7,   17.7,   17.7,   0.0);   (491122.7,
3613438.3,   18.1,   18.1,   0.0);
     (491132.5, 3613458.9,   18.1,   18.1,   0.0);   (491142.3,
3613479.5,   18.3,   18.3,   0.0);
     (491152.1, 3613500.1,   18.6,   18.6,   0.0);   (491161.9,

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3613520.6,      18.8,      18.8,       0.0);
     ( 491171.7, 3613541.2,      18.8,      18.8,       0.0);         ( 491181.5,
3613561.8,      18.7,      18.7,       0.0);
     ( 491191.3, 3613582.4,      18.6,      18.6,       0.0);         ( 491201.0,
3613603.0,      18.8,      18.8,       0.0);
     ( 491210.8, 3613623.6,      19.0,      19.0,       0.0);         ( 491220.6,
3613644.1,      19.0,      19.0,       0.0);
     ( 491230.4, 3613664.7,      18.9,      18.9,       0.0);         ( 491240.2,
3613685.3,      18.8,      18.8,       0.0);
     ( 491250.0, 3613705.9,      18.6,      18.6,       0.0);         ( 491259.8,
3613726.5,      18.8,      18.8,       0.0);
     ( 491308.8, 3613829.4,      17.0,      17.0,       0.0);         ( 491318.6,
3613850.0,      18.0,      18.0,       0.0);
     ( 491328.4, 3613870.6,      18.3,      18.3,       0.0);         ( 491338.2,
3613891.2,      18.2,      18.2,       0.0);
     ( 491348.0, 3613911.7,      17.7,      17.7,       0.0);         ( 489268.2,
3611919.5,       4.3,       4.3,       0.0);
     ( 489245.1, 3611918.4,       4.3,       4.3,       0.0);         ( 489222.0,
3611917.3,       4.1,       4.1,       0.0);
     ( 489199.0, 3611916.2,       3.5,       3.5,       0.0);         ( 489175.9,
3611915.2,       3.1,       3.1,       0.0);
     ( 489307.9, 3611529.0,       1.4,       1.4,       0.0);         ( 489328.9,
3611538.0,       1.3,       1.3,       0.0);
     ( 489349.9, 3611547.1,       1.4,       1.4,       0.0);         ( 489371.0,
3611556.1,       1.5,       1.5,       0.0);
     ( 489392.0, 3611565.2,       1.5,       1.5,       0.0);         ( 489413.0,
3611574.3,       1.5,       1.5,       0.0);
     ( 489434.0, 3611583.3,       1.2,       1.2,       0.0);         ( 489455.1,
3611592.4,       1.4,       1.4,       0.0);
     ( 489476.1, 3611601.4,       1.5,       1.5,       0.0);         ( 489497.1,
3611610.5,       1.7,       1.7,       0.0);
     ( 489518.2, 3611619.5,       1.7,       1.7,       0.0);         ( 489539.2,
3611628.6,       1.7,       1.7,       0.0);
     ( 489560.2, 3611637.7,       1.5,       1.5,       0.0);         ( 489581.3,
3611646.7,       1.5,       1.5,       0.0);
     ( 489602.3, 3611655.8,       1.5,       1.5,       0.0);         ( 489623.3,
3611664.8,       1.6,       1.6,       0.0);
     ( 489644.4, 3611673.9,       1.6,       1.6,       0.0);         ( 489665.4,
3611682.9,       1.6,       1.6,       0.0);
     ( 489686.4, 3611692.0,       1.6,       1.6,       0.0);         ( 489707.5,
3611701.1,       1.7,       1.7,       0.0);
     ( 489728.5, 3611710.1,       1.8,       1.8,       0.0);         ( 489749.5,
3611719.2,       1.8,       1.8,       0.0);
     ( 489770.5, 3611728.2,       1.7,       1.7,       0.0);         ( 489791.6,
3611737.3,       1.6,       1.6,       0.0);
     ( 489812.6, 3611746.4,       1.6,       1.6,       0.0);         ( 489833.6,
3611755.4,       1.3,       1.3,       0.0);
     ( 489854.7, 3611764.5,       1.6,       1.6,       0.0);         ( 489875.7,
3611773.5,       1.6,       1.6,       0.0);
     ( 489896.7, 3611782.6,       1.7,       1.7,       0.0);         ( 489917.8,
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 489980.8, 3611818.8,       2.3,       2.3,       0.0);         ( 490001.9,
3611827.9,       2.3,       2.3,       0.0);
     ( 490022.9, 3611836.9,       2.2,       2.2,       0.0);         ( 490043.9,
3611846.0,       2.1,       2.1,       0.0);
     ( 490065.0, 3611855.0,       2.1,       2.1,       0.0);         ( 490086.0,
3611864.1,       2.1,       2.1,       0.0);
     ( 490107.0, 3611873.2,       2.1,       2.1,       0.0);         ( 490128.1,
3611882.2,       2.0,       2.0,       0.0);
     ( 490149.1, 3611891.3,       2.0,       2.0,       0.0);         ( 490170.1,
3611900.3,       2.0,       2.0,       0.0);
     ( 490191.2, 3611909.4,       2.0,       2.0,       0.0);         ( 490212.2,
3611918.5,       2.4,       2.4,       0.0);
     ( 490233.2, 3611927.5,       2.5,       2.5,       0.0);         ( 490254.2,
3611936.6,       1.9,       1.9,       0.0);
     ( 490275.3, 3611945.6,       1.2,      12.0,       0.0);         ( 490296.3,
3611954.7,       1.9,      12.0,       0.0);
     ( 490317.3, 3611963.8,       1.2,      12.0,       0.0);         ( 490338.4,
3611972.8,       4.3,      12.0,       0.0);
     ( 490359.4, 3611981.9,       5.2,      12.0,       0.0);         ( 490380.4,
3611990.9,       4.2,      12.0,       0.0);
     ( 490401.5, 3612000.0,       4.4,      12.0,       0.0);         ( 490422.5,
3612009.0,       4.8,       4.8,       0.0);
     ( 490443.5, 3612018.1,       4.4,      12.8,       0.0);         ( 490464.6,
3612027.1,       4.5,      12.8,       0.0);
     ( 490485.6, 3612036.2,       4.1,      12.8,       0.0);         ( 490506.6,
3612045.3,       3.5,      12.8,       0.0);
     ( 490527.6, 3612054.3,       4.8,      12.8,       0.0);         ( 490548.7,
3612063.4,       4.6,       4.6,       0.0);
     ( 490569.7, 3612072.4,       4.6,       4.6,       0.0);         ( 490590.7,
3612081.5,       5.2,       9.8,       0.0);
     ( 490611.8, 3612090.6,       6.1,       9.8,       0.0);         ( 490632.8,
3612099.6,       7.5,       7.5,       0.0);
     ( 490653.8, 3612108.7,       9.1,       9.8,       0.0);         ( 490674.9,
3612117.7,       9.6,       9.6,       0.0);
     ( 490695.9, 3612126.8,      10.1,      10.1,       0.0);         ( 490716.9,
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3612135.8,      11.4,      11.4,       0.0);
     ( 490738.0, 3612144.9,      11.6,      11.6,       0.0);         ( 490759.0,
3612154.0,      11.9,      11.9,       0.0);
     ( 490780.0, 3612163.0,      12.2,      12.2,       0.0);         ( 490801.0,
3612172.1,      12.6,      12.6,       0.0);
     ( 490822.1, 3612181.1,      13.0,      13.0,       0.0);         ( 490843.1,
3612190.2,      13.7,      13.7,       0.0);
     ( 490864.1, 3612199.3,      13.7,      13.7,       0.0);         ( 490885.2,
3612208.3,      13.7,      13.7,       0.0);
     ( 490906.2, 3612217.4,      13.4,      13.4,       0.0);         ( 490927.2,
3612226.4,      13.0,      13.0,       0.0);
     ( 490948.3, 3612235.5,      12.6,      12.6,       0.0);         ( 490979.1,
3612265.2,       9.4,       9.4,       0.0);
     ( 490989.0, 3612285.9,       8.6,       8.6,       0.0);         ( 490998.8,
3612306.6,       8.4,       8.4,       0.0);
     ( 491008.6, 3612327.2,       8.4,       8.4,       0.0);         ( 491018.5,
3612347.9,       8.6,       8.6,       0.0);
     ( 491028.3, 3612368.6,       8.6,       8.6,       0.0);         ( 491038.2,
3612389.3,       7.5,       7.5,       0.0);
     ( 491048.0, 3612410.0,       3.7,       8.7,       0.0);         ( 491057.8,
3612430.6,       3.2,       8.7,       0.0);
     ( 491067.7, 3612451.3,       3.4,       3.4,       0.0);         ( 491077.5,
3612472.0,       3.2,       3.2,       0.0);
     ( 491087.3, 3612492.7,       4.2,       4.2,       0.0);         ( 491097.2,
3612513.3,       4.5,       4.5,       0.0);
     ( 491107.0, 3612534.0,       5.0,       5.0,       0.0);         ( 491116.9,
3612554.7,       5.1,       5.1,       0.0);
     ( 491126.7, 3612575.4,       5.0,       5.0,       0.0);         ( 491136.5,
3612596.1,       4.7,       4.7,       0.0);
     ( 491146.4, 3612616.7,       4.8,       4.8,       0.0);         ( 491156.2,
3612637.4,       5.0,       5.0,       0.0);
     ( 491166.1, 3612658.1,       5.1,       5.1,       0.0);         ( 491175.9,
3612678.8,       5.2,       5.2,       0.0);
     ( 491185.7, 3612699.4,       5.2,       5.2,       0.0);         ( 491195.6,
3612720.1,       5.2,       5.2,       0.0);
     ( 491205.4, 3612740.8,       5.1,       5.1,       0.0);         ( 491215.2,
3612761.5,       5.0,       5.0,       0.0);
     ( 491225.1, 3612782.2,       4.7,       4.7,       0.0);         ( 491234.9,
3612802.8,       5.6,       5.6,       0.0);
     ( 491244.8, 3612823.5,       5.6,       5.6,       0.0);         ( 491254.6,
3612844.2,       6.1,       6.1,       0.0);
     ( 491264.4, 3612864.9,       3.9,       6.2,       0.0);         ( 491274.3,
3612885.5,       3.0,       5.4,       0.0);
     ( 491284.1, 3612906.2,       1.0,       5.9,       0.0);         ( 491294.0,
3612926.9,       1.0,       1.0,       0.0);
     ( 491303.8, 3612947.6,       1.0,       1.0,       0.0);         ( 491313.6,
3612968.2,       1.0,       5.4,       0.0);
     ( 491323.5, 3612988.9,       1.3,       6.7,       0.0);         ( 491333.3,
3613009.6,       2.8,       6.7,       0.0);
     ( 491343.1, 3613030.3,       5.5,       5.5,       0.0);         ( 491353.0,
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3613051.0,   5.9,   5.9,   0.0);
     (491362.8, 3613071.6,   6.3,   6.3,   0.0);   (491372.6,
3613092.3,   5.8,   5.8,   0.0);
     (491382.5, 3613113.0,   6.1,   6.1,   0.0);   (491392.3,
3613133.7,   6.4,   6.4,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (491402.2, 3613154.3,   6.8,   6.8,   0.0);   (491412.0,
3613175.0,   6.9,   6.9,   0.0);
     (491421.8, 3613195.7,   7.0,   7.0,   0.0);   (491431.7,
3613216.4,   6.6,   6.6,   0.0);
     (491441.5, 3613237.1,   7.2,   7.2,   0.0);   (491451.4,
3613257.7,   8.2,   8.2,   0.0);
     (491461.2, 3613278.4,   7.9,   7.9,   0.0);   (491471.0,
3613299.1,   8.2,   8.2,   0.0);
     (491480.9, 3613319.8,   9.9,   9.9,   0.0);   (491490.7,
3613340.4,   11.0,   11.0,   0.0);
     (491500.5, 3613361.1,   11.7,   11.7,   0.0);   (491510.4,
3613381.8,   12.7,   12.7,   0.0);
     (491520.2, 3613402.5,   13.1,   13.1,   0.0);   (491530.1,
3613423.1,   13.6,   13.6,   0.0);
     (491539.9, 3613443.8,   14.1,   14.1,   0.0);   (491549.7,
3613464.5,   14.4,   14.4,   0.0);
     (491559.6, 3613485.2,   14.9,   14.9,   0.0);   (491569.4,
3613505.9,   15.4,   15.4,   0.0);
     (491579.2, 3613526.5,   15.9,   15.9,   0.0);   (491589.1,
3613547.2,   16.3,   16.3,   0.0);
     (491598.9, 3613567.9,   16.5,   16.5,   0.0);   (491608.8,
3613588.6,   16.6,   16.6,   0.0);
     (491618.6, 3613609.2,   17.1,   17.1,   0.0);   (491628.4,
3613629.9,   18.0,   18.0,   0.0);
     (491638.3, 3613650.6,   18.6,   18.6,   0.0);   (491687.5,
3613754.0,   19.9,   19.9,   0.0);
     (491697.3, 3613774.7,   20.2,   20.2,   0.0);   (491707.1,
3613795.3,   20.4,   20.4,   0.0);
     (491717.0, 3613816.0,   21.1,   21.1,   0.0);   (491726.8,
3613836.7,   21.4,   21.4,   0.0);
     (491736.7, 3613857.4,   21.4,   21.4,   0.0);   (491746.5,
3613878.1,   21.4,   21.4,   0.0);
     (489286.8, 3611519.9,   1.5,   1.5,   0.0);   (489263.8,

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3611518.8,       1.6,       1.6,       0.0);
     ( 489240.7, 3611517.8,       1.7,       1.7,       0.0);         ( 489217.6,
3611516.7,       1.5,       1.5,       0.0);
     ( 489194.6, 3611515.6,       1.0,       1.0,       0.0);         ( 489326.6,
3611129.4,       0.2,       0.2,       0.0);
     ( 489347.7, 3611138.5,       0.6,       0.6,       0.0);         ( 489368.8,
3611147.6,       1.5,       1.5,       0.0);
     ( 489389.9, 3611156.7,       2.4,       2.4,       0.0);         ( 489411.0,
3611165.8,       2.4,       2.4,       0.0);
     ( 489432.1, 3611174.9,       2.6,       2.6,       0.0);         ( 489453.2,
3611184.0,       3.0,       3.0,       0.0);
     ( 489474.3, 3611193.0,       2.6,       2.6,       0.0);         ( 489495.4,
3611202.1,       2.8,       2.8,       0.0);
     ( 489516.5, 3611211.2,       3.5,       3.5,       0.0);         ( 489537.6,
3611220.3,       3.5,       3.5,       0.0);
     ( 489558.7, 3611229.4,       3.3,       3.3,       0.0);         ( 489579.8,
3611238.5,       3.3,       3.3,       0.0);
     ( 489600.9, 3611247.6,       3.4,       3.4,       0.0);         ( 489622.0,
3611256.7,       2.8,       2.8,       0.0);
     ( 489643.1, 3611265.8,       1.8,       1.8,       0.0);         ( 489664.2,
3611274.8,       1.2,       1.2,       0.0);
     ( 489685.3, 3611283.9,       1.4,       1.4,       0.0);         ( 489706.4,
3611293.0,       1.5,       1.5,       0.0);
     ( 489727.5, 3611302.1,       1.5,       1.5,       0.0);         ( 489748.6,
3611311.2,       1.5,       1.5,       0.0);
     ( 489769.7, 3611320.3,       1.5,       1.5,       0.0);         ( 489790.8,
3611329.4,       1.5,       1.5,       0.0);
     ( 489811.9, 3611338.5,       1.5,       1.5,       0.0);         ( 489833.0,
3611347.5,       1.4,       1.4,       0.0);
     ( 489854.1, 3611356.6,       1.5,       1.5,       0.0);         ( 489875.2,
3611365.7,       1.6,       1.6,       0.0);
     ( 489896.3, 3611374.8,       1.7,       1.7,       0.0);         ( 489917.4,
3611383.9,       1.8,       1.8,       0.0);
     ( 489938.5, 3611393.0,       2.1,       2.1,       0.0);         ( 489959.6,
3611402.1,       2.3,       2.3,       0.0);
     ( 489980.7, 3611411.2,       2.3,       2.3,       0.0);         ( 490001.8,
3611420.3,       2.5,       2.5,       0.0);
     ( 490022.9, 3611429.3,       2.9,       2.9,       0.0);         ( 490044.0,
3611438.4,       3.4,       3.4,       0.0);
     ( 490065.1, 3611447.5,       3.8,       3.8,       0.0);         ( 490086.2,
3611456.6,       4.0,       4.0,       0.0);
     ( 490107.3, 3611465.7,       4.4,       4.4,       0.0);         ( 490128.4,
3611474.8,       4.6,       4.6,       0.0);
     ( 490149.5, 3611483.9,       4.9,       4.9,       0.0);         ( 490170.6,
3611493.0,       5.3,       5.3,       0.0);
     ( 490191.8, 3611502.0,       5.9,       5.9,       0.0);         ( 490212.8,
3611511.1,       6.0,       6.0,       0.0);
     ( 490234.0, 3611520.2,       6.2,       6.2,       0.0);         ( 490255.0,
3611529.3,       6.4,       6.4,       0.0);
     ( 490276.1, 3611538.4,       6.7,       6.7,       0.0);         ( 490297.2,
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3611547.5,   6.8,   6.8,   0.0);
     (490318.3, 3611556.6,   6.8,   6.8,   0.0);   (490339.5,
3611565.7,   5.9,   5.9,   0.0);
     (490360.5, 3611574.8,   5.1,   5.1,   0.0);   (490381.7,
3611583.8,   5.8,   5.8,   0.0);
     (490402.8, 3611592.9,   6.2,   6.2,   0.0);   (490423.9,
3611602.0,   6.4,   6.4,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (490445.0, 3611611.1,   6.6,   6.6,   0.0);   (490466.1,
3611620.2,   6.3,   6.3,   0.0);
     (490487.2, 3611629.3,   5.6,   5.6,   0.0);   (490508.3,
3611638.4,   5.3,   5.3,   0.0);
     (490529.4, 3611647.5,   5.5,   5.5,   0.0);   (490550.5,
3611656.5,   6.7,   6.7,   0.0);
     (490571.6, 3611665.6,   7.7,   13.5,   0.0);   (490592.7,
3611674.7,   9.6,   13.5,   0.0);
     (490613.8, 3611683.8,   12.7,   12.7,   0.0);   (490634.9,
3611692.9,   13.5,   13.5,   0.0);
     (490656.0, 3611702.0,   13.6,   13.6,   0.0);   (490677.1,
3611711.1,   13.7,   13.7,   0.0);
     (490698.2, 3611720.2,   13.8,   13.8,   0.0);   (490719.3,
3611729.3,   13.8,   13.8,   0.0);
     (490740.4, 3611738.3,   13.9,   13.9,   0.0);   (490761.5,
3611747.4,   14.2,   14.2,   0.0);
     (490782.6, 3611756.5,   14.4,   14.4,   0.0);   (490803.7,
3611765.6,   14.6,   14.6,   0.0);
     (490824.8, 3611774.7,   14.7,   14.7,   0.0);   (490845.9,
3611783.8,   14.7,   14.7,   0.0);
     (490867.0, 3611792.9,   14.7,   14.7,   0.0);   (490888.1,
3611802.0,   14.4,   14.4,   0.0);
     (490909.2, 3611811.0,   14.2,   14.2,   0.0);   (490930.3,
3611820.1,   14.2,   14.2,   0.0);
     (490951.4, 3611829.2,   14.3,   14.3,   0.0);   (490972.5,
3611838.3,   14.4,   14.4,   0.0);
     (490993.6, 3611847.4,   14.6,   14.6,   0.0);   (491014.7,
3611856.5,   14.8,   14.8,   0.0);
     (491035.8, 3611865.6,   15.0,   15.0,   0.0);   (491056.9,
3611874.7,   15.2,   15.2,   0.0);
     (491078.0, 3611883.8,   15.7,   15.7,   0.0);   (491099.1,

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3611892.8,      16.0,      16.0,       0.0);
     ( 491120.2, 3611901.9,      16.2,      16.2,       0.0);         ( 491141.3,
3611911.0,      16.3,      16.3,       0.0);
     ( 491162.4, 3611920.1,      16.5,      16.5,       0.0);         ( 491183.5,
3611929.2,      16.8,      16.8,       0.0);
     ( 491204.6, 3611938.3,      16.7,      16.7,       0.0);         ( 491225.7,
3611947.4,      16.8,      16.8,       0.0);
     ( 491256.7, 3611977.2,      17.0,      17.0,       0.0);         ( 491266.5,
3611998.0,      17.2,      17.2,       0.0);
     ( 491276.4, 3612018.7,      17.3,      17.3,       0.0);         ( 491286.3,
3612039.4,      17.3,      17.3,       0.0);
     ( 491296.2, 3612060.2,      17.6,      17.6,       0.0);         ( 491306.0,
3612080.9,      18.1,      18.1,       0.0);
     ( 491315.9, 3612101.7,      18.4,      18.4,       0.0);         ( 491325.8,
3612122.4,      18.8,      18.8,       0.0);
     ( 491335.6, 3612143.2,      19.2,      19.2,       0.0);         ( 491345.5,
3612163.9,      19.3,      19.3,       0.0);
     ( 491355.4, 3612184.7,      19.2,      19.2,       0.0);         ( 491365.2,
3612205.4,      19.1,      19.1,       0.0);
     ( 491375.1, 3612226.2,      19.2,      19.2,       0.0);         ( 491385.0,
3612246.9,      19.3,      19.3,       0.0);
     ( 491394.9, 3612267.7,      19.3,      19.3,       0.0);         ( 491404.7,
3612288.4,      19.0,      19.0,       0.0);
     ( 491414.6, 3612309.1,      15.7,      19.3,       0.0);         ( 491424.5,
3612329.9,      13.5,      19.3,       0.0);
     ( 491434.3, 3612350.6,      13.5,      13.5,       0.0);         ( 491444.2,
3612371.4,      12.5,      12.5,       0.0);
     ( 491454.1, 3612392.1,       8.9,      13.4,       0.0);         ( 491464.0,
3612412.9,       4.3,      19.3,       0.0);
     ( 491473.8, 3612433.6,       3.5,      13.5,       0.0);         ( 491483.7,
3612454.4,       3.8,      12.2,       0.0);
     ( 491493.6, 3612475.1,       3.9,       3.9,       0.0);         ( 491503.4,
3612495.9,       4.1,       4.1,       0.0);
     ( 491513.3, 3612516.6,       4.1,       4.1,       0.0);         ( 491523.2,
3612537.4,       4.2,       4.2,       0.0);
     ( 491533.1, 3612558.1,       4.2,       4.2,       0.0);         ( 491542.9,
3612578.9,       4.6,       4.6,       0.0);
     ( 491552.8, 3612599.6,       5.3,       5.3,       0.0);         ( 491562.7,
3612620.3,       5.3,       5.3,       0.0);
     ( 491572.5, 3612641.1,       5.3,       5.3,       0.0);         ( 491582.4,
3612661.8,       5.4,       5.4,       0.0);
     ( 491592.3, 3612682.6,       5.3,       5.3,       0.0);         ( 491602.1,
3612703.3,       5.2,       5.2,       0.0);
     ( 491612.0, 3612724.1,       5.1,       5.1,       0.0);         ( 491621.9,
3612744.8,       5.5,       5.5,       0.0);
     ( 491631.8, 3612765.6,       5.9,       5.9,       0.0);         ( 491641.6,
3612786.3,       6.2,       6.2,       0.0);
     ( 491651.5, 3612807.1,       6.0,       6.0,       0.0);         ( 491661.4,
3612827.8,       6.2,       6.2,       0.0);
     ( 491671.2, 3612848.6,       5.9,       5.9,       0.0);         ( 491681.1,
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3612869.3,   5.8,   5.8,   0.0);
     (491691.0, 3612890.1,   5.9,   5.9,   0.0);   (491700.9,
3612910.8,   5.9,   5.9,   0.0);
     (491710.7, 3612931.5,   5.6,   5.6,   0.0);   (491720.6,
3612952.3,   5.5,   5.5,   0.0);
     (491730.5, 3612973.0,   5.5,   5.5,   0.0);   (491740.3,
3612993.8,   5.5,   5.5,   0.0);
     (491750.2, 3613014.5,   5.5,   5.5,   0.0);   (491760.1,
3613035.3,   5.4,   5.4,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (491770.0, 3613056.0,   5.2,   5.2,   0.0);   (491779.8,
3613076.8,   5.6,   8.7,   0.0);
     (491789.7, 3613097.5,   6.3,   9.9,   0.0);   (491799.6,
3613118.3,   9.4,   9.4,   0.0);
     (491809.4, 3613139.0,   9.9,   9.9,   0.0);   (491819.3,
3613159.8,   9.1,   11.2,   0.0);
     (491829.2, 3613180.5,   6.4,   12.6,   0.0);   (491839.0,
3613201.2,   3.9,   12.8,   0.0);
     (491848.9, 3613222.0,   2.6,   13.0,   0.0);   (491858.8,
3613242.8,   1.2,   14.1,   0.0);
     (491868.7, 3613263.5,   1.1,   14.4,   0.0);   (491878.5,
3613284.2,   1.1,   14.4,   0.0);
     (491888.4, 3613305.0,   1.1,   14.1,   0.0);   (491898.3,
3613325.7,   2.5,   13.2,   0.0);
     (491908.1, 3613346.5,   3.8,   14.2,   0.0);   (491918.0,
3613367.2,   6.6,   13.2,   0.0);
     (491927.9, 3613388.0,   10.6,   13.2,   0.0);   (491937.8,
3613408.7,   12.6,   12.6,   0.0);
     (491947.6, 3613429.5,   12.5,   14.2,   0.0);   (491957.5,
3613450.2,   8.4,   15.3,   0.0);
     (491967.4, 3613471.0,   6.4,   15.3,   0.0);   (491977.2,
3613491.7,   5.3,   16.3,   0.0);
     (491987.1, 3613512.4,   5.6,   16.3,   0.0);   (491997.0,
3613533.2,   5.9,   16.3,   0.0);
     (492006.9, 3613553.9,   6.2,   16.3,   0.0);   (492016.7,
3613574.7,   6.5,   6.5,   0.0);
     (492076.0, 3613699.2,   8.4,   21.6,   0.0);   (492085.8,
3613719.9,   8.1,   30.4,   0.0);
     (492095.7, 3613740.7,   8.3,   32.7,   0.0);   (492105.6,

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3613761.4,       8.1,      33.1,       0.0);
     ( 492115.4, 3613782.2,       7.9,      34.6,       0.0);         ( 492125.3,
3613802.9,       7.8,      34.6,       0.0);
     ( 492135.2, 3613823.6,       8.4,      34.6,       0.0);         ( 492145.0,
3613844.4,       9.9,      34.6,       0.0);
     ( 489305.5, 3611120.3,       0.1,       0.1,       0.0);         ( 489282.4,
3611119.3,       0.0,       0.0,       0.0);
     ( 489259.4, 3611118.2,      -0.1,      -0.1,       0.0);         ( 489236.3,
3611117.1,      -0.1,      -0.1,       0.0);
     ( 489213.2, 3611116.0,      -0.2,      -0.2,       0.0);         ( 489345.3,
3610729.9,      -0.4,      -0.4,       0.0);
     ( 489366.5, 3610739.0,      -0.4,      -0.4,       0.0);         ( 489387.6,
3610748.1,      -0.4,      -0.4,       0.0);
     ( 489408.8, 3610757.2,      -0.4,      -0.4,       0.0);         ( 489429.9,
3610766.3,      -0.4,      -0.4,       0.0);
     ( 489451.1, 3610775.4,      -0.4,      -0.4,       0.0);         ( 489472.2,
3610784.6,      -0.4,      -0.4,       0.0);
     ( 489493.4, 3610793.7,      -0.4,      -0.4,       0.0);         ( 489514.6,
3610802.8,      -0.4,      -0.4,       0.0);
     ( 489535.7, 3610811.9,      -0.4,      -0.4,       0.0);         ( 489556.9,
3610821.0,      -0.4,      -0.4,       0.0);
     ( 489578.0, 3610830.1,      -0.3,      -0.3,       0.0);         ( 489599.2,
3610839.2,      -0.2,      -0.2,       0.0);
     ( 489620.3, 3610848.3,      -0.0,      -0.0,       0.0);         ( 489641.5,
3610857.5,       0.1,       0.1,       0.0);
     ( 489662.6, 3610866.6,       0.2,       0.2,       0.0);         ( 489683.8,
3610875.7,       0.2,       0.2,       0.0);
     ( 489705.0, 3610884.8,       0.3,       0.3,       0.0);         ( 489726.1,
3610893.9,       0.4,       0.4,       0.0);
     ( 489747.3, 3610903.0,       0.5,       0.5,       0.0);         ( 489768.4,
3610912.1,       0.5,       0.5,       0.0);
     ( 489789.6, 3610921.2,       0.5,       0.5,       0.0);         ( 489810.7,
3610930.3,       0.6,       0.6,       0.0);
     ( 489831.9, 3610939.5,       1.2,       1.2,       0.0);         ( 489853.0,
3610948.6,       2.6,       2.6,       0.0);
     ( 489874.2, 3610957.7,       2.7,       2.7,       0.0);         ( 489895.3,
3610966.8,       2.7,       2.7,       0.0);
     ( 489916.5, 3610975.9,       2.7,       2.7,       0.0);         ( 489937.7,
3610985.0,       2.6,       2.6,       0.0);
     ( 489958.8, 3610994.1,       2.5,       2.5,       0.0);         ( 489980.0,
3611003.2,       2.5,       2.5,       0.0);
     ( 490001.1, 3611012.3,       2.4,       2.4,       0.0);         ( 490022.3,
3611021.5,       3.3,       3.3,       0.0);
     ( 490043.4, 3611030.6,       3.5,       3.5,       0.0);         ( 490064.6,
3611039.7,       2.9,       2.9,       0.0);
     ( 490085.8, 3611048.8,       3.1,       3.1,       0.0);         ( 490106.9,
3611057.9,       3.3,       3.3,       0.0);
     ( 490128.1, 3611067.0,       3.4,       3.4,       0.0);         ( 490149.2,
3611076.1,       3.8,       3.8,       0.0);
     ( 490170.4, 3611085.2,       4.2,       4.2,       0.0);         ( 490191.5,
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                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (490424.2, 3611194.6,   4.7,   4.7,   0.0);   (490445.4,
3611203.7,   5.1,   5.1,   0.0);
     (490466.5, 3611212.8,   5.4,   5.4,   0.0);   (490487.7,
3611221.9,   5.8,   5.8,   0.0);
     (490508.9, 3611231.0,   6.4,   6.4,   0.0);   (490530.0,
3611240.1,   6.8,   6.8,   0.0);
     (490551.2, 3611249.2,   8.4,   8.4,   0.0);   (490572.3,
3611258.4,   8.6,   8.6,   0.0);
     (490593.5, 3611267.5,   7.7,   7.7,   0.0);   (490614.6,
3611276.6,   5.3,   9.9,   0.0);
     (490635.8, 3611285.7,   3.6,   10.2,   0.0);   (490656.9,
3611294.8,   4.2,   10.3,   0.0);
     (490678.1, 3611303.9,   8.4,   10.2,   0.0);   (490699.2,
3611313.0,   10.1,   10.1,   0.0);
     (490720.4, 3611322.1,   10.4,   10.4,   0.0);   (490741.6,
3611331.2,   10.7,   10.7,   0.0);
     (490762.7, 3611340.4,   11.1,   11.1,   0.0);   (490783.9,
3611349.5,   11.8,   11.8,   0.0);
     (490805.0, 3611358.6,   12.4,   12.4,   0.0);   (490826.2,
3611367.7,   12.6,   12.6,   0.0);
     (490847.3, 3611376.8,   12.9,   12.9,   0.0);   (490868.5,
3611385.9,   13.0,   13.0,   0.0);
     (490889.6, 3611395.0,   13.6,   13.6,   0.0);   (490910.8,
3611404.1,   13.9,   13.9,   0.0);
     (490932.0, 3611413.3,   13.9,   13.9,   0.0);   (490953.1,
3611422.4,   13.9,   13.9,   0.0);
     (490974.3, 3611431.5,   14.1,   14.1,   0.0);   (490995.4,

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3611440.6,      14.4,      14.4,       0.0);
     ( 491016.6, 3611449.7,      14.4,      14.4,       0.0);         ( 491037.7,
3611458.8,      14.4,      14.4,       0.0);
     ( 491058.9, 3611467.9,      14.4,      14.4,       0.0);         ( 491080.0,
3611477.0,      14.6,      14.6,       0.0);
     ( 491101.2, 3611486.1,      14.6,      14.6,       0.0);         ( 491122.4,
3611495.3,      14.7,      14.7,       0.0);
     ( 491143.5, 3611504.4,      14.9,      14.9,       0.0);         ( 491164.7,
3611513.5,      14.9,      14.9,       0.0);
     ( 491185.8, 3611522.6,      14.9,      14.9,       0.0);         ( 491207.0,
3611531.7,      15.2,      15.2,       0.0);
     ( 491228.1, 3611540.8,      15.4,      15.4,       0.0);         ( 491249.3,
3611549.9,      15.6,      15.6,       0.0);
     ( 491270.4, 3611559.0,      16.0,      16.0,       0.0);         ( 491291.6,
3611568.1,      16.3,      16.3,       0.0);
     ( 491312.8, 3611577.3,      16.6,      16.6,       0.0);         ( 491333.9,
3611586.4,      17.0,      17.0,       0.0);
     ( 491355.1, 3611595.5,      17.3,      17.3,       0.0);         ( 491376.2,
3611604.6,      17.8,      17.8,       0.0);
     ( 491397.4, 3611613.7,      18.1,      18.1,       0.0);         ( 491418.5,
3611622.8,      18.0,      18.0,       0.0);
     ( 491439.7, 3611631.9,      18.4,      18.4,       0.0);         ( 491460.8,
3611641.0,      18.5,      18.5,       0.0);
     ( 491482.0, 3611650.2,      18.8,      18.8,       0.0);         ( 491503.1,
3611659.3,      19.1,      19.1,       0.0);
     ( 491534.2, 3611689.2,      19.7,      19.7,       0.0);         ( 491544.1,
3611710.0,      19.8,      19.8,       0.0);
     ( 491554.0, 3611730.8,      20.1,      20.1,       0.0);         ( 491563.9,
3611751.6,      20.3,      20.3,       0.0);
     ( 491573.8, 3611772.4,      20.3,      20.3,       0.0);         ( 491583.7,
3611793.2,      20.5,      20.5,       0.0);
     ( 491593.6, 3611814.0,      20.6,      20.6,       0.0);         ( 491603.5,
3611834.8,      20.8,      20.8,       0.0);
     ( 491613.4, 3611855.6,      20.9,      20.9,       0.0);         ( 491623.3,
3611876.4,      21.1,      21.1,       0.0);
     ( 491633.2, 3611897.2,      21.1,      21.1,       0.0);         ( 491643.1,
3611918.0,      21.1,      21.1,       0.0);
     ( 491653.0, 3611938.8,      21.1,      21.1,       0.0);         ( 491662.8,
3611959.6,      21.2,      21.2,       0.0);
     ( 491672.8, 3611980.4,      21.1,      21.1,       0.0);         ( 491682.6,
3612001.2,      21.2,      21.2,       0.0);
     ( 491692.5, 3612022.0,      21.3,      21.3,       0.0);         ( 491702.4,
3612042.8,      21.8,      21.8,       0.0);
     ( 491712.3, 3612063.6,      21.8,      21.8,       0.0);         ( 491722.2,
3612084.4,      21.7,      21.7,       0.0);
     ( 491732.1, 3612105.2,      21.4,      21.4,       0.0);         ( 491742.0,
3612126.0,      21.6,      21.6,       0.0);
     ( 491751.9, 3612146.8,      21.2,      21.2,       0.0);         ( 491761.8,
3612167.6,      20.3,      20.3,       0.0);
     ( 491771.7, 3612188.4,      19.7,      19.7,       0.0);         ( 491781.6,
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3612209.2,   19.4,   22.9,   0.0);
     (491791.5, 3612230.0,   19.4,   19.4,   0.0);   (491801.4,
3612250.8,   20.2,   20.2,   0.0);
     (491811.3, 3612271.6,   19.3,   19.3,   0.0);   (491821.2,
3612292.4,   17.8,   17.8,   0.0);
     (491831.1, 3612313.2,   16.6,   20.6,   0.0);   (491841.0,
3612334.0,   16.2,   19.7,   0.0);
     (491850.9, 3612354.8,   14.7,   20.2,   0.0);   (491860.8,
3612375.6,   11.3,   22.5,   0.0);
     (491870.7, 3612396.4,   11.1,   22.5,   0.0);   (491880.6,
3612417.2,   12.9,   13.6,   0.0);
     (491890.5, 3612438.0,   13.4,   13.4,   0.0);   (491900.4,
3612458.8,   10.1,   18.8,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (491910.3, 3612479.6,   5.7,   19.2,   0.0);   (491920.1,
3612500.4,   5.5,   18.8,   0.0);
     (491930.0, 3612521.2,   5.4,   13.5,   0.0);   (491940.0,
3612542.0,   5.4,   5.4,   0.0);
     (491949.8, 3612562.8,   6.1,   6.1,   0.0);   (491959.7,
3612583.6,   7.0,   7.0,   0.0);
     (491969.6, 3612604.4,   6.8,   6.8,   0.0);   (491979.5,
3612625.2,   6.0,   6.0,   0.0);
     (491989.4, 3612646.0,   5.5,   5.5,   0.0);   (491999.3,
3612666.8,   4.9,   4.9,   0.0);
     (492009.2, 3612687.6,   4.7,   4.7,   0.0);   (492019.1,
3612708.4,   4.8,   4.8,   0.0);
     (492029.0, 3612729.2,   4.9,   22.2,   0.0);   (492038.9,
3612750.0,   5.0,   28.6,   0.0);
     (492048.8, 3612770.8,   5.1,   28.6,   0.0);   (492058.7,
3612791.6,   5.1,   28.6,   0.0);
     (492068.6, 3612812.4,   5.3,   28.7,   0.0);   (492078.5,
3612833.2,   6.8,   28.7,   0.0);
     (492088.4, 3612854.0,   7.1,   28.8,   0.0);   (492098.3,
3612874.8,   5.8,   30.8,   0.0);
     (492108.2, 3612895.6,   7.4,   30.8,   0.0);   (492118.1,
3612916.4,   8.1,   30.8,   0.0);
     (492128.0, 3612937.2,   6.5,   34.2,   0.0);   (492137.9,
3612958.0,   11.5,   30.8,   0.0);
     (492147.8, 3612978.8,   15.3,   28.7,   0.0);   (492157.7,

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3612999.6,      17.4,      28.2,       0.0);
     ( 492167.6, 3613020.4,      15.7,      28.7,       0.0);         ( 492177.5,
3613041.2,      12.6,      34.2,       0.0);
     ( 492187.3, 3613062.0,       7.8,      34.2,       0.0);         ( 492197.2,
3613082.8,       8.4,      34.2,       0.0);
     ( 492207.1, 3613103.6,      10.0,      34.2,       0.0);         ( 492217.0,
3613124.4,      10.4,      34.2,       0.0);
     ( 492226.9, 3613145.2,      10.8,      34.2,       0.0);         ( 492236.8,
3613166.0,      10.5,      34.2,       0.0);
     ( 492246.7, 3613186.8,      10.2,      34.2,       0.0);         ( 492256.6,
3613207.6,       9.8,      34.2,       0.0);
     ( 492266.5, 3613228.4,       9.7,      34.2,       0.0);         ( 492276.4,
3613249.2,       9.8,      34.2,       0.0);
     ( 492286.3, 3613270.0,       9.4,      34.2,       0.0);         ( 492296.2,
3613290.8,      10.0,      34.2,       0.0);
     ( 492306.1, 3613311.6,       9.1,      34.2,       0.0);         ( 492316.0,
3613332.4,       8.4,      34.2,       0.0);
     ( 492325.9, 3613353.2,       5.5,      34.2,       0.0);         ( 492335.8,
3613374.0,       2.5,      34.2,       0.0);
     ( 492345.7, 3613394.8,       1.8,      34.2,       0.0);         ( 492355.6,
3613415.6,       1.4,      34.2,       0.0);
     ( 492365.5, 3613436.4,       3.0,      32.3,       0.0);         ( 492375.4,
3613457.1,       7.8,      16.1,       0.0);
     ( 492385.3, 3613477.9,      12.4,      14.9,       0.0);         ( 492395.2,
3613498.8,      14.7,      14.7,       0.0);
     ( 492405.1, 3613519.5,      14.0,      14.0,       0.0);         ( 492454.5,
3613623.5,       7.9,       7.9,       0.0);
     ( 492464.4, 3613644.3,       7.9,       7.9,       0.0);         ( 492474.3,
3613665.1,       8.1,       8.1,       0.0);
     ( 492484.2, 3613685.9,       8.1,       8.1,       0.0);         ( 492494.1,
3613706.8,       7.9,      18.1,       0.0);
     ( 492504.0, 3613727.5,       7.9,      19.5,       0.0);         ( 492513.9,
3613748.3,       7.7,      23.1,       0.0);
     ( 492523.8, 3613769.1,       8.3,      23.1,       0.0);         ( 492533.7,
3613789.9,      15.2,      18.1,       0.0);
     ( 492543.6, 3613810.8,      15.9,      18.1,       0.0);         ( 489324.2,
3610720.8,      -0.4,      -0.4,       0.0);
     ( 489301.1, 3610719.7,      -0.4,      -0.4,       0.0);         ( 489278.0,
3610718.6,      -0.4,      -0.4,       0.0);
     ( 489255.0, 3610717.5,      -0.4,      -0.4,       0.0);         ( 489231.9,
3610716.5,      -0.4,      -0.4,       0.0);
     ( 489364.0, 3610330.3,      -0.1,      -0.1,       0.0);         ( 489385.2,
3610339.5,      -0.2,      -0.2,       0.0);
     ( 489406.4, 3610348.6,      -0.4,      -0.4,       0.0);         ( 489427.6,
3610357.7,      -0.4,      -0.4,       0.0);
     ( 489448.8, 3610366.9,      -0.4,      -0.4,       0.0);         ( 489470.0,
3610376.0,      -0.4,      -0.4,       0.0);
     ( 489491.2, 3610385.1,      -0.4,      -0.4,       0.0);         ( 489512.4,
3610394.3,      -0.4,      -0.4,       0.0);
     ( 489533.6, 3610403.4,      -0.4,      -0.4,       0.0);         ( 489554.8,
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3610412.5,   -0.4,   -0.4,   0.0);
     (489576.0, 3610421.6,   -0.4,   -0.4,   0.0);   (489597.2,
3610430.8,   -0.4,   -0.4,   0.0);
     (489618.4, 3610439.9,   -0.4,   -0.4,   0.0);   (489639.6,
3610449.0,   -0.4,   -0.4,   0.0);
     (489660.8, 3610458.2,   -0.4,   -0.4,   0.0);   (489682.0,
3610467.3,   -0.4,   -0.4,   0.0);
     (489703.2, 3610476.4,   -0.4,   -0.4,   0.0);   (489724.4,
3610485.6,   -0.4,   -0.4,   0.0);
     (489745.6, 3610494.7,   -0.4,   -0.4,   0.0);   (489766.8,
3610503.8,   -0.4,   -0.4,   0.0);
     (489788.0, 3610512.9,   -0.4,   -0.4,   0.0);   (489809.2,
3610522.1,   -0.3,   -0.3,   0.0);
     (489830.4, 3610531.2,   -0.2,   -0.2,   0.0);   (489851.6,
3610540.3,   -0.2,   -0.2,   0.0);

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (489872.8, 3610549.5,   -0.1,   -0.1,   0.0);   (489894.0,
3610558.6,   -0.0,   -0.0,   0.0);
     (489915.2, 3610567.7,   0.1,   0.1,   0.0);   (489936.4,
3610576.9,   0.2,   0.2,   0.0);
     (489957.6, 3610586.0,   0.2,   0.2,   0.0);   (489978.8,
3610595.1,   0.3,   0.3,   0.0);
     (490000.0, 3610604.2,   0.6,   0.6,   0.0);   (490021.2,
3610613.4,   1.3,   1.3,   0.0);
     (490042.4, 3610622.5,   2.2,   2.2,   0.0);   (490063.6,
3610631.6,   2.5,   2.5,   0.0);
     (490084.8, 3610640.8,   2.5,   2.5,   0.0);   (490106.0,
3610649.9,   2.6,   2.6,   0.0);
     (490127.2, 3610659.0,   2.8,   2.8,   0.0);   (490148.4,
3610668.2,   3.5,   3.5,   0.0);
     (490169.5, 3610677.3,   3.7,   3.7,   0.0);   (490190.8,
3610686.4,   3.8,   3.8,   0.0);
     (490212.0, 3610695.5,   3.7,   3.7,   0.0);   (490233.1,
3610704.7,   2.7,   2.7,   0.0);
     (490254.3, 3610713.8,   2.3,   2.3,   0.0);   (490275.5,
3610722.9,   2.1,   2.1,   0.0);
     (490296.7, 3610732.1,   2.0,   2.0,   0.0);   (490317.9,
3610741.2,   2.1,   2.1,   0.0);
     (490339.1, 3610750.3,   2.2,   2.2,   0.0);   (490360.3,

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3610759.5,       2.2,       2.2,       0.0);
     ( 490381.5, 3610768.6,       2.4,       2.4,       0.0);         ( 490402.7,
3610777.7,       2.6,       2.6,       0.0);
     ( 490423.9, 3610786.8,       3.0,       3.0,       0.0);         ( 490445.1,
3610796.0,       4.6,       4.6,       0.0);
     ( 490466.3, 3610805.1,       5.0,       5.0,       0.0);         ( 490487.5,
3610814.2,       5.1,       5.1,       0.0);
     ( 490508.7, 3610823.4,       5.3,       5.3,       0.0);         ( 490529.9,
3610832.5,       5.6,       5.6,       0.0);
     ( 490551.1, 3610841.6,       5.7,       5.7,       0.0);         ( 490572.3,
3610850.8,       6.1,       6.1,       0.0);
     ( 490593.5, 3610859.9,       6.6,       6.6,       0.0);         ( 490614.7,
3610869.0,       7.3,       7.3,       0.0);
     ( 490635.9, 3610878.1,       8.2,       8.2,       0.0);         ( 490657.1,
3610887.3,       8.5,       8.5,       0.0);
     ( 490678.3, 3610896.4,       9.3,       9.3,       0.0);         ( 490699.5,
3610905.5,       9.5,       9.5,       0.0);
     ( 490720.7, 3610914.7,       7.6,      10.1,       0.0);         ( 490741.9,
3610923.8,       3.8,      10.6,       0.0);
     ( 490763.1, 3610932.9,       4.0,      10.7,       0.0);         ( 490784.3,
3610942.1,       7.6,      10.6,       0.0);
     ( 490805.5, 3610951.2,      10.1,      10.1,       0.0);         ( 490826.7,
3610960.3,      10.6,      10.6,       0.0);
     ( 490847.9, 3610969.4,      10.7,      10.7,       0.0);         ( 490869.1,
3610978.6,      11.1,      11.1,       0.0);
     ( 490890.3, 3610987.7,      11.3,      11.3,       0.0);         ( 490911.5,
3610996.8,      11.6,      11.6,       0.0);
     ( 490932.7, 3611006.0,      12.0,      12.0,       0.0);         ( 490953.9,
3611015.1,      12.3,      12.3,       0.0);
     ( 490975.1, 3611024.2,      12.2,      12.2,       0.0);         ( 490996.3,
3611033.4,      12.3,      12.3,       0.0);
     ( 491017.5, 3611042.5,      12.2,      12.2,       0.0);         ( 491038.7,
3611051.6,      11.9,      11.9,       0.0);
     ( 491059.9, 3611060.8,      11.5,      11.5,       0.0);         ( 491081.1,
3611069.9,      11.2,      11.2,       0.0);
     ( 491102.3, 3611079.0,      11.3,      11.3,       0.0);         ( 491123.5,
3611088.1,      11.4,      11.4,       0.0);
     ( 491144.7, 3611097.3,      11.5,      11.5,       0.0);         ( 491165.9,
3611106.4,      11.7,      11.7,       0.0);
     ( 491187.1, 3611115.5,      12.1,      12.1,       0.0);         ( 491208.3,
3611124.7,      12.3,      12.3,       0.0);
     ( 491229.5, 3611133.8,      12.6,      12.6,       0.0);         ( 491250.7,
3611142.9,      12.8,      12.8,       0.0);
     ( 491271.9, 3611152.0,      13.2,      13.2,       0.0);         ( 491293.0,
3611161.2,      13.4,      13.4,       0.0);
     ( 491314.2, 3611170.3,      13.7,      13.7,       0.0);         ( 491335.5,
3611179.4,      14.1,      14.1,       0.0);
     ( 491356.6, 3611188.6,      14.5,      14.5,       0.0);         ( 491377.8,
3611197.7,      14.9,      14.9,       0.0);
     ( 491399.0, 3611206.8,      15.0,      15.0,       0.0);         ( 491420.2,
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3611216.0,   15.2,   15.2,   0.0);
     (491441.4, 3611225.1,   15.5,   15.5,   0.0);   (491462.6,
3611234.2,   16.1,   16.1,   0.0);
     (491483.8, 3611243.3,   16.3,   16.3,   0.0);   (491505.0,
3611252.5,   16.6,   16.6,   0.0);
     (491526.2, 3611261.6,   16.8,   16.8,   0.0);   (491547.4,
3611270.7,   17.0,   17.0,   0.0);
     (491568.6, 3611279.9,   17.4,   17.4,   0.0);   (491589.8,
3611289.0,   17.8,   17.8,   0.0);
     (491611.0, 3611298.1,   18.2,   18.2,   0.0);   (491632.2,
3611307.3,   18.6,   18.6,   0.0);
     (491653.4, 3611316.4,   19.1,   19.1,   0.0);   (491674.6,
3611325.5,   19.5,   19.5,   0.0);
     (491695.8, 3611334.6,   19.8,   19.8,   0.0);   (491717.0,
3611343.8,   19.9,   19.9,   0.0);
     (491738.2, 3611352.9,   20.2,   20.2,   0.0);   (491759.4,
3611362.0,   20.4,   20.4,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (491780.6, 3611371.2,   20.2,   20.2,   0.0);   (491811.7,
3611401.1,   20.7,   20.7,   0.0);
     (491821.6, 3611422.0,   21.0,   21.0,   0.0);   (491831.6,
3611442.8,   21.3,   21.3,   0.0);
     (491841.5, 3611463.7,   21.5,   21.5,   0.0);   (491851.4,
3611484.5,   21.9,   21.9,   0.0);
     (491861.3, 3611505.3,   22.2,   22.2,   0.0);   (491871.2,
3611526.2,   22.4,   22.4,   0.0);
     (491881.1, 3611547.0,   23.0,   23.0,   0.0);   (491891.1,
3611567.9,   23.1,   23.1,   0.0);
     (491901.0, 3611588.7,   23.0,   23.0,   0.0);   (491910.9,
3611609.6,   22.8,   22.8,   0.0);
     (491920.8, 3611630.4,   22.6,   22.6,   0.0);   (491930.7,
3611651.2,   22.4,   22.4,   0.0);
     (491940.6, 3611672.1,   22.5,   22.5,   0.0);   (491950.5,
3611692.9,   22.7,   22.7,   0.0);
     (491960.5, 3611713.8,   22.8,   22.8,   0.0);   (491970.4,
3611734.6,   23.1,   23.1,   0.0);
     (491980.3, 3611755.4,   23.5,   23.5,   0.0);   (491990.2,
3611776.3,   23.7,   23.7,   0.0);
     (492000.1, 3611797.1,   23.7,   23.7,   0.0);   (492010.0,

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3611818.0,      23.8,      23.8,       0.0);
     ( 492020.0, 3611838.8,      24.2,      24.2,       0.0);         ( 492029.9,
3611859.7,      24.6,      24.6,       0.0);
     ( 492039.8, 3611880.5,      25.0,      25.0,       0.0);         ( 492049.7,
3611901.3,      25.1,      25.1,       0.0);
     ( 492059.6, 3611922.2,      25.1,      25.1,       0.0);         ( 492069.5,
3611943.0,      25.2,      25.2,       0.0);
     ( 492079.5, 3611963.9,      25.5,      25.5,       0.0);         ( 492089.4,
3611984.7,      25.6,      25.6,       0.0);
     ( 492099.3, 3612005.5,      25.2,      25.2,       0.0);         ( 492109.2,
3612026.4,      25.0,      25.0,       0.0);
     ( 492119.1, 3612047.2,      24.7,      24.7,       0.0);         ( 492129.0,
3612068.1,      24.8,      24.8,       0.0);
     ( 492139.0, 3612088.9,      24.9,      24.9,       0.0);         ( 492148.9,
3612109.8,      25.2,      25.2,       0.0);
     ( 492158.8, 3612130.6,      25.2,      25.2,       0.0);         ( 492168.7,
3612151.4,      25.2,      25.2,       0.0);
     ( 492178.6, 3612172.3,      25.3,      25.3,       0.0);         ( 492188.5,
3612193.1,      25.5,      25.5,       0.0);
     ( 492198.5, 3612214.0,      25.7,      25.7,       0.0);         ( 492208.4,
3612234.8,      25.5,      25.5,       0.0);
     ( 492218.3, 3612255.7,      24.8,      24.8,       0.0);         ( 492228.2,
3612276.5,      23.7,      23.7,       0.0);
     ( 492238.1, 3612297.3,      22.5,      22.5,       0.0);         ( 492248.0,
3612318.2,      20.7,      20.7,       0.0);
     ( 492258.0, 3612339.0,      18.9,      18.9,       0.0);         ( 492267.9,
3612359.9,      17.2,      17.2,       0.0);
     ( 492277.8, 3612380.7,      15.2,      15.2,       0.0);         ( 492287.7,
3612401.5,      15.0,      22.5,       0.0);
     ( 492297.6, 3612422.4,      15.3,      25.6,       0.0);         ( 492307.5,
3612443.2,      16.1,      26.6,       0.0);
     ( 492317.5, 3612464.1,      20.4,      25.6,       0.0);         ( 492327.4,
3612484.9,      23.6,      23.6,       0.0);
     ( 492337.3, 3612505.8,      25.2,      25.2,       0.0);         ( 492347.2,
3612526.6,      26.0,      26.0,       0.0);
     ( 492357.1, 3612547.4,      26.8,      26.8,       0.0);         ( 492367.0,
3612568.3,      27.2,      27.2,       0.0);
     ( 492377.0, 3612589.1,      27.5,      27.5,       0.0);         ( 492386.9,
3612610.0,      27.6,      27.6,       0.0);
     ( 492396.8, 3612630.8,      27.8,      27.8,       0.0);         ( 492406.7,
3612651.6,      27.8,      27.8,       0.0);
     ( 492416.6, 3612672.5,      27.1,      27.1,       0.0);         ( 492426.5,
3612693.3,      26.9,      26.9,       0.0);
     ( 492436.5, 3612714.2,      27.7,      27.7,       0.0);         ( 492446.4,
3612735.0,      28.2,      28.2,       0.0);
     ( 492456.3, 3612755.9,      28.7,      28.7,       0.0);         ( 492466.2,
3612776.7,      28.8,      28.8,       0.0);
     ( 492476.1, 3612797.5,      29.3,      29.3,       0.0);         ( 492486.0,
3612818.4,      29.5,      29.5,       0.0);
     ( 492496.0, 3612839.2,      28.3,      28.3,       0.0);         ( 492505.9,
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3612860.1,   20.6,   30.1,   0.0);
     (492515.8, 3612880.9,   10.9,   33.8,   0.0);   (492525.7,
3612901.8,   8.4,   34.2,   0.0);
     (492535.6, 3612922.6,   8.2,   34.2,   0.0);   (492545.5,
3612943.4,   8.3,   34.2,   0.0);
     (492555.5, 3612964.3,   8.3,   34.2,   0.0);   (492565.4,
3612985.1,   7.9,   34.2,   0.0);
     (492575.3, 3613006.0,   7.8,   34.2,   0.0);   (492585.2,
3613026.8,   7.8,   34.2,   0.0);
     (492595.1, 3613047.6,   7.5,   34.2,   0.0);   (492605.0,
3613068.5,   7.6,   34.2,   0.0);
     (492614.9, 3613089.3,   8.0,   34.2,   0.0);   (492624.9,
3613110.2,   7.5,   33.8,   0.0);
     (492634.8, 3613131.0,   7.3,   33.7,   0.0);   (492644.7,
3613151.9,   7.2,   7.2,   0.0);
     (492654.6, 3613172.7,   5.4,   5.4,   0.0);   (492664.5,
3613193.5,   3.2,   8.8,   0.0);
     (492674.4, 3613214.4,   3.1,   18.6,   0.0);   (492684.4,
3613235.2,   3.2,   22.8,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

     (492694.3, 3613256.1,   5.3,   22.8,   0.0);   (492704.2,
3613276.9,   8.9,   20.4,   0.0);
     (492714.1, 3613297.8,   11.1,   20.4,   0.0);   (492724.0,
3613318.6,   14.6,   18.0,   0.0);
     (492733.9, 3613339.4,   17.7,   17.7,   0.0);   (492743.8,
3613360.3,   18.9,   18.9,   0.0);
     (492753.8, 3613381.1,   16.2,   21.4,   0.0);   (492763.7,
3613402.0,   11.9,   22.8,   0.0);
     (492773.6, 3613422.8,   11.7,   22.8,   0.0);   (492783.5,
3613443.6,   11.3,   22.8,   0.0);
     (492833.1, 3613547.9,   14.2,   20.8,   0.0);   (492843.0,
3613568.7,   17.1,   20.8,   0.0);
     (492852.9, 3613589.5,   20.0,   20.0,   0.0);   (492862.8,
3613610.4,   20.7,   20.7,   0.0);
     (492872.8, 3613631.2,   19.9,   19.9,   0.0);   (492882.7,
3613652.1,   16.4,   20.9,   0.0);
     (492892.6, 3613672.9,   13.5,   20.9,   0.0);   (492902.5,
3613693.8,   17.8,   20.7,   0.0);
     (492912.4, 3613714.6,   18.6,   20.7,   0.0);   (492922.3,

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3613735.4,      15.5,      42.6,       0.0);
     ( 492932.3, 3613756.3,      16.3,      47.1,       0.0);         ( 492942.2,
3613777.1,      17.4,      47.1,       0.0);
     ( 489342.8, 3610321.2,       0.1,       0.1,       0.0);         ( 489319.8,
3610320.1,       0.2,       0.2,       0.0);
     ( 489296.7, 3610319.1,       0.3,       0.3,       0.0);         ( 489273.6,
3610318.0,       0.3,       0.3,       0.0);
     ( 489250.6, 3610316.9,       0.2,       0.2,       0.0);         ( 489048.4,
3614110.0,       3.7,       3.7,       0.0);
     ( 489045.8, 3614133.1,       3.8,       3.8,       0.0);         ( 489043.2,
3614156.2,       3.9,       3.9,       0.0);
     ( 489040.6, 3614179.3,       3.9,       3.9,       0.0);         ( 489038.1,
3614202.5,       3.7,       3.7,       0.0);
     ( 489035.5, 3614225.6,       3.7,       3.7,       0.0);         ( 489032.9,
3614248.7,       3.8,       3.8,       0.0);
     ( 489030.3, 3614271.8,       3.8,       3.8,       0.0);         ( 489027.7,
3614295.0,       4.0,       4.0,       0.0);
     ( 489032.2, 3614091.0,       3.6,       3.6,       0.0);         ( 489021.0,
3614130.3,       3.8,       3.8,       0.0);
     ( 489018.4, 3614153.4,       3.9,       3.9,       0.0);         ( 489015.8,
3614176.6,       3.8,       3.8,       0.0);
     ( 489013.2, 3614199.7,       3.6,       3.6,       0.0);         ( 489010.6,
3614222.8,       3.6,       3.6,       0.0);
     ( 489008.0, 3614245.9,       3.6,       3.6,       0.0);         ( 489005.5,
3614269.1,       3.7,       3.7,       0.0);
     ( 489002.9, 3614292.2,       3.7,       3.7,       0.0);         ( 489007.3,
3614088.2,       3.6,       3.6,       0.0);
     ( 489042.0, 3614049.8,       3.7,       3.7,       0.0);         ( 488996.1,
3614127.5,       3.5,       3.5,       0.0);
     ( 488993.5, 3614150.7,       3.5,       3.5,       0.0);         ( 488991.0,
3614173.8,       3.5,       3.5,       0.0);
     ( 488988.4, 3614196.9,       3.5,       3.5,       0.0);         ( 488985.8,
3614220.0,       3.5,       3.5,       0.0);
     ( 488983.2, 3614243.2,       3.7,       3.7,       0.0);         ( 488980.6,
3614266.3,       3.8,       3.8,       0.0);
     ( 488978.0, 3614289.4,       3.8,       3.8,       0.0);         ( 488982.5,
3614085.4,       3.7,       3.7,       0.0);
     ( 488999.7, 3614052.9,       3.7,       3.7,       0.0);         ( 489025.7,
3614030.7,       3.8,       3.8,       0.0);
     ( 488971.3, 3614124.8,       3.6,       3.6,       0.0);         ( 488968.7,
3614147.9,       3.6,       3.6,       0.0);
     ( 488966.1, 3614171.0,       3.6,       3.6,       0.0);         ( 488963.5,
3614194.1,       3.6,       3.6,       0.0);
     ( 488960.9, 3614217.2,       3.7,       3.7,       0.0);         ( 488958.3,
3614240.4,       3.9,       3.9,       0.0);
     ( 488955.8, 3614263.5,       3.9,       3.9,       0.0);         ( 488953.2,
3614286.6,       3.8,       3.8,       0.0);
     ( 488934.5, 3614076.6,       4.0,       4.0,       0.0);         ( 488955.2,
3614037.6,       4.0,       4.0,       0.0);
     ( 488996.8, 3613991.5,       3.8,       3.8,       0.0);         ( 489038.5,
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3613977.2,   4.0,   4.0,   0.0);
     (488921.6, 3614119.2,   3.7,   3.7,   0.0);   (488919.0,
3614142.3,   3.8,   3.8,   0.0);
     (488916.4, 3614165.4,   3.6,   3.6,   0.0);   (488913.8,
3614188.6,   3.5,   3.5,   0.0);
     (488911.2, 3614211.7,   3.5,   3.5,   0.0);   (488908.7,
3614234.8,   3.8,   3.8,   0.0);
     (488906.1, 3614257.9,   3.8,   3.8,   0.0);   (488903.5,
3614281.1,   3.6,   3.6,   0.0);
     (488884.3, 3614072.0,   3.9,   3.9,   0.0);   (488904.0,
3614034.8,   4.0,   4.0,   0.0);
     (488923.7, 3613997.7,   4.0,   4.0,   0.0);   (488963.3,
3613953.8,   4.1,   4.1,   0.0);
     (489003.1, 3613940.2,   3.9,   3.9,   0.0);   (489042.8,
3613926.6,   3.9,   3.9,   0.0);
     (488871.9, 3614113.6,   3.6,   3.6,   0.0);   (488869.3,
3614136.8,   3.6,   3.6,   0.0);
     (488866.7, 3614159.9,   3.6,   3.6,   0.0);   (488864.1,
3614183.0,   3.6,   3.6,   0.0);
     (488861.5, 3614206.1,   3.6,   3.6,   0.0);   (488859.0,
3614229.2,   3.7,   3.7,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (488856.4, 3614252.4,   3.7,   3.7,   0.0);   (488853.8,
3614275.5,   3.6,   3.6,   0.0);
     (488835.6, 3614064.7,   0.1,   3.5,   0.0);   (488846.3,
3614044.4,   1.1,   3.5,   0.0);
     (488857.1, 3614024.1,   2.5,   3.5,   0.0);   (488867.9,
3614003.8,   3.5,   3.5,   0.0);
     (488878.7, 3613983.5,   3.6,   3.6,   0.0);   (488889.4,
3613963.2,   3.7,   3.7,   0.0);
     (488900.2, 3613942.9,   3.7,   3.7,   0.0);   (488932.7,
3613915.1,   4.2,   4.2,   0.0);
     (488954.5, 3613907.7,   4.2,   4.2,   0.0);   (488976.2,
3613900.3,   4.2,   4.2,   0.0);
     (488998.0, 3613892.8,   4.2,   4.2,   0.0);   (489019.7,
3613885.4,   4.1,   4.1,   0.0);
     (489041.4, 3613877.9,   4.0,   4.0,   0.0);   (489063.2,
3613870.5,   4.0,   4.0,   0.0);
     (488824.8, 3614085.0,   0.1,   0.1,   0.0);   (488822.2,

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3614108.1,       0.1,       0.1,       0.0);
     ( 488819.6, 3614131.2,       0.1,       0.1,       0.0);         ( 488817.0,
3614154.3,       0.3,       3.4,       0.0);
     ( 488814.5, 3614177.4,       0.3,       3.4,       0.0);         ( 488811.9,
3614200.6,       0.1,       3.5,       0.0);
     ( 488809.3, 3614223.7,       0.1,       3.5,       0.0);         ( 488806.7,
3614246.8,       0.1,       0.1,       0.0);
     ( 488804.1, 3614269.9,       0.1,       0.1,       0.0);         ( 488785.5,
3614059.9,       0.1,       0.1,       0.0);
     ( 488806.1, 3614020.9,       0.1,       0.1,       0.0);         ( 488826.8,
3613982.0,       0.1,       0.1,       0.0);
     ( 488847.5, 3613943.0,       0.8,       3.4,       0.0);         ( 488868.2,
3613904.0,       0.7,       3.5,       0.0);
     ( 488899.4, 3613877.4,       3.8,       3.8,       0.0);         ( 488941.1,
3613863.1,       4.1,       4.1,       0.0);
     ( 488982.9, 3613848.8,       4.2,       4.2,       0.0);         ( 489024.6,
3613834.5,       4.3,       4.3,       0.0);
     ( 488772.5, 3614102.5,       0.1,       0.1,       0.0);         ( 488769.9,
3614125.6,       0.1,       0.1,       0.0);
     ( 488767.3, 3614148.8,       0.1,       0.1,       0.0);         ( 488764.8,
3614171.9,       0.1,       0.1,       0.0);
     ( 488762.2, 3614195.0,       0.1,       0.1,       0.0);         ( 488759.6,
3614218.1,       0.1,       0.1,       0.0);
     ( 488757.0, 3614241.2,       0.1,       0.1,       0.0);         ( 488754.4,
3614264.4,       0.1,       0.1,       0.0);
     ( 488686.3, 3614048.3,       0.1,       0.1,       0.0);         ( 488697.0,
3614028.3,       0.1,       0.1,       0.0);
     ( 488707.5, 3614008.3,       0.1,       0.1,       0.0);         ( 488718.2,
3613988.3,       0.1,       0.1,       0.0);
     ( 488728.8, 3613968.4,       0.1,       0.1,       0.0);         ( 488739.4,
3613948.4,       0.1,       0.1,       0.0);
     ( 488760.6, 3613908.4,       0.1,       0.1,       0.0);         ( 488771.2,
3613888.4,       0.1,       0.1,       0.0);
     ( 488781.8, 3613868.4,       0.1,       0.1,       0.0);         ( 488792.4,
3613848.4,       0.1,       0.1,       0.0);
     ( 488803.0, 3613828.5,       0.1,       0.1,       0.0);         ( 488835.0,
3613801.1,       0.1,       0.1,       0.0);
     ( 488856.4, 3613793.8,       0.1,       0.1,       0.0);         ( 488877.8,
3613786.5,       1.8,       1.8,       0.0);
     ( 488899.3, 3613779.2,       3.5,       3.5,       0.0);         ( 488920.7,
3613771.8,       3.7,       3.7,       0.0);
     ( 488942.1, 3613764.5,       4.0,       4.0,       0.0);         ( 488963.5,
3613757.2,       4.2,       4.2,       0.0);
     ( 488984.9, 3613749.8,       4.3,       4.3,       0.0);         ( 489006.3,
3613742.5,       4.4,       4.4,       0.0);
     ( 489027.7, 3613735.2,       4.4,       4.4,       0.0);         ( 489049.1,
3613727.9,       4.2,       4.2,       0.0);
     ( 489070.5, 3613720.5,       4.0,       4.0,       0.0);         ( 488675.7,
3614068.3,       0.1,       0.1,       0.0);
     ( 488673.1, 3614091.4,       0.1,       0.1,       0.0);         ( 488670.6,
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3614114.5,   0.1,   0.1,   0.0);
     (488668.0, 3614137.6,   0.1,   0.1,   0.0);   (488665.4,
3614160.8,   0.1,   0.1,   0.0);
     (488662.8, 3614183.9,   0.1,   0.1,   0.0);   (488660.2,
3614207.0,   0.1,   0.1,   0.0);
     (488657.6, 3614230.1,   0.1,   0.1,   0.0);   (488655.0,
3614253.2,   0.1,   0.1,   0.0);
     (488587.1, 3614036.9,   0.1,   0.1,   0.0);   (488597.9,
3614016.6,   0.1,   0.1,   0.0);
     (488608.7, 3613996.3,   0.1,   0.1,   0.0);   (488619.4,
3613976.0,   0.1,   0.1,   0.0);
     (488630.2, 3613955.7,   0.1,   0.1,   0.0);   (488641.0,
3613935.4,   0.1,   0.1,   0.0);
     (488651.8, 3613915.1,   0.1,   0.1,   0.0);   (488662.5,
3613894.8,   0.1,   0.1,   0.0);
     (488673.3, 3613874.5,   0.1,   0.1,   0.0);   (488684.1,
3613854.2,   0.1,   0.1,   0.0);
     (488694.9, 3613833.9,   0.1,   0.1,   0.0);   (488705.6,
3613813.6,   0.1,   0.1,   0.0);
     (488716.4, 3613793.3,   0.1,   0.1,   0.0);   (488727.2,
3613773.0,   0.1,   0.1,   0.0);
     (488738.0, 3613752.7,   0.1,   0.1,   0.0);   (488770.5,
3613724.9,   0.1,   0.1,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (488792.2, 3613717.5,   0.1,   0.1,   0.0);   (488814.0,
3613710.1,   0.1,   0.1,   0.0);
     (488835.7, 3613702.6,   0.1,   0.1,   0.0);   (488857.4,
3613695.2,   0.1,   0.1,   0.0);
     (488879.2, 3613687.7,   0.3,   0.3,   0.0);   (488900.9,
3613680.3,   1.5,   3.6,   0.0);
     (488922.6, 3613672.9,   3.6,   3.6,   0.0);   (488944.4,
3613665.4,   3.8,   3.8,   0.0);
     (488966.1, 3613658.0,   3.9,   3.9,   0.0);   (488987.9,
3613650.5,   4.1,   4.1,   0.0);
     (489009.6, 3613643.1,   4.2,   4.2,   0.0);   (489031.4,
3613635.6,   4.2,   4.2,   0.0);
     (489053.1, 3613628.2,   4.1,   4.1,   0.0);   (489074.8,
3613620.8,   4.0,   4.0,   0.0);
     (488576.3, 3614057.2,   0.1,   0.1,   0.0);   (488573.8,

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3614080.3,       0.1,       0.1,       0.0);
     ( 488571.2, 3614103.4,       0.1,       0.1,       0.0);         ( 488568.6,
3614126.5,       0.1,       0.1,       0.0);
     ( 488566.0, 3614149.6,       0.1,       0.1,       0.0);         ( 488563.4,
3614172.8,       0.1,       0.1,       0.0);
     ( 488560.8, 3614195.9,       0.1,       0.1,       0.0);         ( 488558.2,
3614219.0,       0.1,       0.1,       0.0);
     ( 488555.6, 3614242.1,       0.1,       0.1,       0.0);         ( 488487.9,
3614025.5,       0.1,       0.1,       0.0);
     ( 488498.8, 3614005.0,       0.1,       0.1,       0.0);         ( 488509.6,
3613984.5,       0.1,       0.1,       0.0);
     ( 488520.5, 3613964.0,       0.1,       0.1,       0.0);         ( 488531.4,
3613943.5,       0.1,       0.1,       0.0);
     ( 488542.3, 3613923.0,       0.1,       0.1,       0.0);         ( 488553.2,
3613902.5,       0.1,       0.1,       0.0);
     ( 488564.1, 3613881.9,       0.1,       0.1,       0.0);         ( 488575.0,
3613861.4,       0.1,       0.1,       0.0);
     ( 488585.8, 3613840.9,       0.1,       0.1,       0.0);         ( 488596.7,
3613820.4,       0.1,       0.1,       0.0);
     ( 488607.6, 3613799.9,       0.1,       0.1,       0.0);         ( 488618.5,
3613779.4,       0.1,       0.1,       0.0);
     ( 488629.4, 3613758.9,       0.1,       0.1,       0.0);         ( 488640.3,
3613738.4,       0.1,       0.1,       0.0);
     ( 488651.2, 3613717.9,       0.1,       0.1,       0.0);         ( 488662.0,
3613697.3,       0.1,       0.1,       0.0);
     ( 488672.9, 3613676.8,       0.1,       0.1,       0.0);         ( 488705.8,
3613648.8,       0.1,       0.1,       0.0);
     ( 488727.8, 3613641.3,       0.1,       0.1,       0.0);         ( 488749.7,
3613633.8,       0.1,       0.1,       0.0);
     ( 488771.7, 3613626.2,       0.1,       0.1,       0.0);         ( 488793.7,
3613618.7,       0.1,       0.1,       0.0);
     ( 488815.6, 3613611.2,       0.1,       0.1,       0.0);         ( 488837.6,
3613603.7,       0.1,       0.1,       0.0);
     ( 488859.6, 3613596.1,       0.1,       0.1,       0.0);         ( 488881.5,
3613588.6,       0.1,       3.7,       0.0);
     ( 488903.5, 3613581.1,       1.9,       3.7,       0.0);         ( 488925.5,
3613573.6,       3.7,       3.7,       0.0);
     ( 488947.5, 3613566.1,       3.8,       3.8,       0.0);         ( 488969.4,
3613558.5,       3.9,       3.9,       0.0);
     ( 488991.4, 3613551.0,       3.7,       3.7,       0.0);         ( 489013.4,
3613543.5,       3.8,       3.8,       0.0);
     ( 489035.3, 3613536.0,       3.9,       3.9,       0.0);         ( 489057.3,
3613528.5,       4.0,       4.0,       0.0);
     ( 489079.3, 3613520.9,       4.0,       4.0,       0.0);         ( 488477.0,
3614046.0,       0.1,       0.1,       0.0);
     ( 488474.4, 3614069.2,       0.1,       0.1,       0.0);         ( 488471.8,
3614092.3,       0.1,       0.1,       0.0);
     ( 488469.2, 3614115.4,       0.1,       0.1,       0.0);         ( 488466.6,
3614138.5,       0.1,       0.1,       0.0);
     ( 488464.0, 3614161.6,       0.1,       0.1,       0.0);         ( 488461.5,
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3614184.8,   0.1,   0.1,   0.0);
     (488458.9, 3614207.9,   0.1,   0.1,   0.0);   (488456.3,
3614231.0,   0.1,   0.1,   0.0);
     (488388.1, 3614015.1,   0.1,   0.1,   0.0);   (488409.1,
3613975.6,   0.1,   0.1,   0.0);
     (488430.0, 3613936.1,   0.1,   0.1,   0.0);   (488451.0,
3613896.5,   0.1,   0.1,   0.0);
     (488472.0, 3613857.0,   0.1,   0.1,   0.0);   (488493.0,
3613817.5,   0.1,   0.1,   0.0);
     (488514.0, 3613777.9,   0.1,   0.1,   0.0);   (488535.0,
3613738.4,   0.1,   0.1,   0.0);
     (488556.0, 3613698.9,   0.1,   0.1,   0.0);   (488577.0,
3613659.3,   0.1,   0.1,   0.0);
     (488597.9, 3613619.8,   0.1,   0.1,   0.0);   (488640.1,
3613573.0,   0.1,   0.1,   0.0);
     (488682.4, 3613558.5,   0.1,   0.1,   0.0);   (488724.8,
3613544.0,   0.1,   0.1,   0.0);
     (488767.1, 3613529.5,   0.1,   0.1,   0.0);   (488809.5,
3613515.0,   0.1,   0.1,   0.0);
     (488851.8, 3613500.5,   0.1,   0.1,   0.0);   (488894.2,
3613486.0,   0.5,   3.3,   0.0);
     (488936.5, 3613471.5,   3.3,   3.3,   0.0);   (488978.9,
3613457.0,   3.5,   3.5,   0.0);
     (489021.2, 3613442.5,   3.3,   3.3,   0.0);   (489063.6,
3613428.0,   3.9,   3.9,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (488375.0, 3614058.0,   0.1,   0.1,   0.0);   (488372.4,
3614081.2,   0.1,   0.1,   0.0);
     (488369.8, 3614104.3,   0.1,   0.1,   0.0);   (488367.2,
3614127.4,   0.1,   0.1,   0.0);
     (488364.7, 3614150.5,   0.1,   0.1,   0.0);   (488362.1,
3614173.6,   0.1,   0.1,   0.0);
     (488359.5, 3614196.8,   0.1,   0.1,   0.0);   (488356.9,
3614219.9,   0.1,   0.1,   0.0);
     (488288.8, 3614003.8,   0.1,   0.1,   0.0);   (488299.4,
3613983.8,   0.1,   0.1,   0.0);
     (488310.0, 3613963.8,   0.1,   0.1,   0.0);   (488320.6,
3613943.9,   0.1,   0.1,   0.0);
     (488331.2, 3613923.9,   0.1,   0.1,   0.0);   (488352.5,

```
3613883.9,       0.1,       0.1,       0.0);
     ( 488363.1, 3613863.9,       0.1,       0.1,       0.0);         ( 488373.7,
3613843.9,       0.1,       0.1,       0.0);
     ( 488384.3, 3613823.9,       0.1,       0.1,       0.0);         ( 488394.9,
3613804.0,       0.1,       0.1,       0.0);
     ( 488405.5, 3613784.0,       0.1,       0.1,       0.0);         ( 488416.1,
3613764.0,       0.1,       0.1,       0.0);
     ( 488426.7, 3613744.0,       0.1,       0.1,       0.0);         ( 488437.3,
3613724.0,       0.1,       0.1,       0.0);
     ( 488447.9, 3613704.0,       0.1,       0.1,       0.0);         ( 488458.5,
3613684.0,       0.1,       0.1,       0.0);
     ( 488469.1, 3613664.1,       0.1,       0.1,       0.0);         ( 488479.8,
3613644.1,       0.1,       0.1,       0.0);
     ( 488490.4, 3613624.1,       0.1,       0.1,       0.0);         ( 488501.0,
3613604.1,       0.1,       0.1,       0.0);
     ( 488511.6, 3613584.1,       0.1,       0.1,       0.0);         ( 488532.8,
3613544.1,       0.1,       0.1,       0.0);
     ( 488543.4, 3613524.2,       0.1,       0.1,       0.0);         ( 488575.4,
3613496.8,       0.1,       0.1,       0.0);
     ( 488596.8, 3613489.5,       0.1,       0.1,       0.0);         ( 488618.2,
3613482.2,       0.1,       0.1,       0.0);
     ( 488639.6, 3613474.9,       0.1,       0.1,       0.0);         ( 488661.0,
3613467.5,       0.1,       0.1,       0.0);
     ( 488682.5, 3613460.2,       0.1,       0.1,       0.0);         ( 488703.8,
3613452.9,       0.1,       0.1,       0.0);
     ( 488725.3, 3613445.5,       0.1,       0.1,       0.0);         ( 488746.7,
3613438.2,       0.1,       0.1,       0.0);
     ( 488768.1, 3613430.9,       0.1,       0.1,       0.0);         ( 488789.5,
3613423.6,       0.1,       0.1,       0.0);
     ( 488810.9, 3613416.2,       0.1,       0.1,       0.0);         ( 488832.3,
3613408.9,       0.1,       0.1,       0.0);
     ( 488853.7, 3613401.6,       0.1,       0.1,       0.0);         ( 488875.1,
3613394.2,       0.1,       0.1,       0.0);
     ( 488896.5, 3613386.9,       0.1,       0.1,       0.0);         ( 488917.9,
3613379.6,       0.3,       3.8,       0.0);
     ( 488939.3, 3613372.3,       3.4,       3.8,       0.0);         ( 488960.7,
3613364.9,       3.7,       3.7,       0.0);
     ( 488982.1, 3613357.6,       3.6,       3.6,       0.0);         ( 489003.5,
3613350.3,       3.5,       3.5,       0.0);
     ( 489025.0, 3613342.9,       3.4,       3.4,       0.0);         ( 489046.4,
3613335.6,       3.3,       3.3,       0.0);
     ( 489067.8, 3613328.3,       3.3,       3.3,       0.0);         ( 489089.2,
3613321.0,       3.5,       3.5,       0.0);
     ( 488278.2, 3614023.8,       0.1,       0.1,       0.0);         ( 488275.6,
3614046.9,       0.1,       0.1,       0.0);
     ( 488273.0, 3614070.0,       0.1,       0.1,       0.0);         ( 488270.5,
3614093.2,       0.1,       0.1,       0.0);
     ( 488267.9, 3614116.3,       0.1,       0.1,       0.0);         ( 488265.3,
3614139.4,       0.1,       0.1,       0.0);
     ( 488262.7, 3614162.5,       0.1,       0.1,       0.0);         ( 488260.1,
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3614185.6,   0.1,   0.1,   0.0);
     (488257.5, 3614208.8,   0.1,   0.1,   0.0);   (488090.2,
3613981.3,   -0.2,   -0.2,   0.0);
     (488101.0, 3613961.0,   -0.2,   -0.2,   0.0);   (488111.8,
3613940.7,   -0.2,   -0.2,   0.0);
     (488122.5, 3613920.4,   -0.2,   -0.2,   0.0);   (488133.3,
3613900.1,   -0.2,   -0.2,   0.0);
     (488144.1, 3613879.8,   -0.1,   -0.1,   0.0);   (488154.9,
3613859.5,   -0.0,   -0.0,   0.0);
     (488165.6, 3613839.2,   0.0,   0.0,   0.0);   (488176.4,
3613818.9,   0.0,   0.0,   0.0);
     (488187.2, 3613798.6,   0.0,   0.0,   0.0);   (488198.0,
3613778.3,   0.0,   0.0,   0.0);
     (488208.7, 3613758.0,   0.0,   0.0,   0.0);   (488219.5,
3613737.7,   0.0,   0.0,   0.0);
     (488230.3, 3613717.4,   0.0,   0.0,   0.0);   (488241.0,
3613697.1,   0.0,   0.0,   0.0);
     (488251.8, 3613676.8,   0.0,   0.0,   0.0);   (488262.6,
3613656.5,   0.0,   0.0,   0.0);
     (488273.4, 3613636.2,   0.0,   0.0,   0.0);   (488284.1,
3613615.9,   0.0,   0.0,   0.0);
     (488294.9, 3613595.6,   0.0,   0.0,   0.0);   (488305.7,
3613575.3,   0.0,   0.0,   0.0);
     (488316.5, 3613555.0,   0.0,   0.0,   0.0);   (488327.2,
3613534.7,   0.1,   0.1,   0.0);
     (488338.0, 3613514.4,   0.1,   0.1,   0.0);   (488348.8,
3613494.1,   0.1,   0.1,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (488359.6, 3613473.8,   0.1,   0.1,   0.0);   (488370.3,
3613453.5,   0.1,   0.1,   0.0);
     (488381.1, 3613433.2,   0.1,   0.1,   0.0);   (488391.9,
3613412.9,   0.1,   0.1,   0.0);
     (488402.6, 3613392.6,   0.1,   0.1,   0.0);   (488413.4,
3613372.3,   0.1,   0.1,   0.0);
     (488445.9, 3613344.6,   0.1,   0.1,   0.0);   (488467.7,
3613337.1,   0.1,   0.1,   0.0);
     (488489.4, 3613329.7,   0.1,   0.1,   0.0);   (488511.2,
3613322.2,   0.1,   0.1,   0.0);
     (488532.9, 3613314.8,   0.1,   0.1,   0.0);   (488554.6,

```
3613307.4,       0.1,       0.1,       0.0);
     ( 488576.4, 3613299.9,       0.1,       0.1,       0.0);         ( 488598.1,
3613292.5,       0.1,       0.1,       0.0);
     ( 488619.9, 3613285.0,       0.1,       0.1,       0.0);         ( 488641.6,
3613277.6,       0.2,       0.2,       0.0);
     ( 488663.3, 3613270.2,       1.0,       1.0,       0.0);         ( 488685.1,
3613262.7,       1.9,       3.5,       0.0);
     ( 488706.8, 3613255.3,       2.9,       3.8,       0.0);         ( 488728.6,
3613247.8,       4.0,       4.0,       0.0);
     ( 488750.3, 3613240.4,       4.0,       4.0,       0.0);         ( 488772.0,
3613232.9,       3.9,       3.9,       0.0);
     ( 488793.8, 3613225.5,       3.8,       3.8,       0.0);         ( 488815.5,
3613218.1,       3.7,       3.7,       0.0);
     ( 488837.3, 3613210.6,       3.8,       3.8,       0.0);         ( 488859.0,
3613203.2,       3.8,       3.8,       0.0);
     ( 488880.8, 3613195.7,       3.9,       3.9,       0.0);         ( 488902.5,
3613188.3,       3.9,       3.9,       0.0);
     ( 488924.2, 3613180.8,       3.9,       3.9,       0.0);         ( 488946.0,
3613173.4,       3.7,       3.7,       0.0);
     ( 488967.7, 3613166.0,       3.4,       3.4,       0.0);         ( 488989.5,
3613158.5,       3.5,       3.5,       0.0);
     ( 489011.2, 3613151.1,       3.8,       3.8,       0.0);         ( 489033.0,
3613143.6,       4.1,       4.1,       0.0);
     ( 489054.7, 3613136.2,       4.1,       4.1,       0.0);         ( 489076.4,
3613128.7,       4.1,       4.1,       0.0);
     ( 489098.2, 3613121.3,       4.1,       4.1,       0.0);         ( 488079.5,
3614001.5,      -0.2,      -0.2,       0.0);
     ( 488076.9, 3614024.7,      -0.2,      -0.2,       0.0);         ( 488074.3,
3614047.8,      -0.2,      -0.2,       0.0);
     ( 488071.7, 3614070.9,      -0.2,      -0.2,       0.0);         ( 488069.1,
3614094.0,      -0.2,      -0.2,       0.0);
     ( 488066.5, 3614117.2,      -0.2,      -0.2,       0.0);         ( 488063.9,
3614140.3,      -0.2,      -0.2,       0.0);
     ( 488061.3, 3614163.4,      -0.2,      -0.2,       0.0);         ( 488058.8,
3614186.5,      -0.2,      -0.2,       0.0);
     ( 487891.6, 3613958.8,      -0.2,      -0.2,       0.0);         ( 487902.5,
3613938.3,      -0.2,      -0.2,       0.0);
     ( 487913.3, 3613917.8,      -0.2,      -0.2,       0.0);         ( 487924.2,
3613897.3,      -0.2,      -0.2,       0.0);
     ( 487935.1, 3613876.8,      -0.2,      -0.2,       0.0);         ( 487946.0,
3613856.2,      -0.2,      -0.2,       0.0);
     ( 487956.9, 3613835.7,      -0.2,      -0.2,       0.0);         ( 487967.8,
3613815.2,      -0.2,      -0.2,       0.0);
     ( 487978.7, 3613794.7,      -0.2,      -0.2,       0.0);         ( 487989.6,
3613774.2,      -0.2,      -0.2,       0.0);
     ( 488000.5, 3613753.7,      -0.2,      -0.2,       0.0);         ( 488011.3,
3613733.2,      -0.2,      -0.2,       0.0);
     ( 488022.2, 3613712.7,      -0.2,      -0.2,       0.0);         ( 488033.1,
3613692.1,      -0.2,      -0.2,       0.0);
     ( 488044.0, 3613671.6,      -0.2,      -0.2,       0.0);         ( 488054.9,
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3613651.1,   -0.2,   -0.2,   0.0);
     (488065.8, 3613630.6,   -0.2,   -0.2,   0.0);   (488076.6,
3613610.1,   -0.2,   -0.2,   0.0);
     (488087.5, 3613589.6,   -0.2,   -0.2,   0.0);   (488098.4,
3613569.1,   -0.2,   -0.2,   0.0);
     (488109.3, 3613548.6,   -0.2,   -0.2,   0.0);   (488120.2,
3613528.1,   -0.1,   -0.1,   0.0);
     (488131.1, 3613507.5,   -0.1,   -0.1,   0.0);   (488142.0,
3613487.0,   0.0,   0.0,   0.0);
     (488152.9, 3613466.5,   0.0,   0.0,   0.0);   (488163.8,
3613446.0,   0.0,   0.0,   0.0);
     (488174.6, 3613425.5,   0.0,   0.0,   0.0);   (488185.5,
3613405.0,   0.0,   0.0,   0.0);
     (488196.4, 3613384.5,   0.0,   0.0,   0.0);   (488207.3,
3613364.0,   0.0,   0.0,   0.0);
     (488218.2, 3613343.5,   0.0,   0.0,   0.0);   (488229.1,
3613322.9,   0.0,   0.0,   0.0);
     (488240.0, 3613302.4,   0.0,   0.0,   0.0);   (488250.8,
3613281.9,   0.0,   0.0,   0.0);
     (488261.7, 3613261.4,   0.0,   0.0,   0.0);   (488272.6,
3613240.9,   0.0,   0.0,   0.0);
     (488283.5, 3613220.4,   0.0,   0.0,   0.0);   (488316.4,
3613192.4,   0.1,   0.1,   0.0);
     (488338.3, 3613184.8,   0.1,   0.1,   0.0);   (488360.3,
3613177.3,   0.1,   0.1,   0.0);
     (488382.3, 3613169.8,   0.1,   0.1,   0.0);   (488404.2,
3613162.3,   0.1,   0.1,   0.0);
     (488426.2, 3613154.8,   0.1,   0.1,   0.0);   (488448.2,
3613147.2,   0.1,   0.1,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (488470.1, 3613139.7,   0.1,   0.1,   0.0);   (488492.1,
3613132.2,   0.1,   0.1,   0.0);
     (488514.1, 3613124.7,   0.1,   0.1,   0.0);   (488536.1,
3613117.1,   1.6,   3.8,   0.0);
     (488558.0, 3613109.6,   3.8,   3.8,   0.0);   (488580.0,
3613102.1,   4.0,   4.0,   0.0);
     (488602.0, 3613094.6,   4.1,   4.1,   0.0);   (488623.9,
3613087.1,   3.9,   3.9,   0.0);
     (488645.9, 3613079.5,   3.7,   3.7,   0.0);   (488667.9,

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3613072.0,       3.5,       3.5,       0.0);
     ( 488689.8, 3613064.5,       3.5,       3.5,       0.0);         ( 488711.8,
3613057.0,       3.9,       3.9,       0.0);
     ( 488733.8, 3613049.5,       4.3,       4.3,       0.0);         ( 488755.8,
3613041.9,       5.0,       5.0,       0.0);
     ( 488777.7, 3613034.4,       5.4,       5.4,       0.0);         ( 488799.7,
3613026.9,       5.1,       5.1,       0.0);
     ( 488821.7, 3613019.4,       4.8,       4.8,       0.0);         ( 488843.6,
3613011.8,       4.7,       4.7,       0.0);
     ( 488865.6, 3613004.3,       4.7,       4.7,       0.0);         ( 488887.6,
3612996.8,       4.6,       4.6,       0.0);
     ( 488909.5, 3612989.3,       4.4,       4.4,       0.0);         ( 488931.5,
3612981.8,       4.2,       4.2,       0.0);
     ( 488953.5, 3612974.2,       3.9,       3.9,       0.0);         ( 488975.5,
3612966.7,       3.6,       3.6,       0.0);
     ( 488997.4, 3612959.2,       3.5,       3.5,       0.0);         ( 489019.4,
3612951.7,       3.4,       3.4,       0.0);
     ( 489041.4, 3612944.2,       3.2,       3.2,       0.0);         ( 489063.3,
3612936.6,       3.3,       3.3,       0.0);
     ( 489085.3, 3612929.1,       3.4,       3.4,       0.0);         ( 489107.3,
3612921.6,       3.6,       3.6,       0.0);
     ( 487880.7, 3613979.3,      -0.2,      -0.2,       0.0);         ( 487878.1,
3614002.4,      -0.2,      -0.2,       0.0);
     ( 487875.5, 3614025.5,      -0.2,      -0.2,       0.0);         ( 487872.9,
3614048.7,      -0.2,      -0.2,       0.0);
     ( 487870.3, 3614071.8,      -0.2,      -0.2,       0.0);         ( 487867.8,
3614094.9,      -0.2,      -0.2,       0.0);
     ( 487865.2, 3614118.0,      -0.2,      -0.2,       0.0);         ( 487862.6,
3614141.2,      -0.2,      -0.2,       0.0);
     ( 487860.0, 3614164.3,      -0.2,      -0.2,       0.0);         ( 487692.7,
3613936.9,      -0.3,      -0.3,       0.0);
     ( 487703.4, 3613916.6,      -0.3,      -0.3,       0.0);         ( 487714.1,
3613896.4,      -0.3,      -0.3,       0.0);
     ( 487724.8, 3613876.2,      -0.3,      -0.3,       0.0);         ( 487735.6,
3613856.0,      -0.2,      -0.2,       0.0);
     ( 487746.3, 3613835.8,      -0.2,      -0.2,       0.0);         ( 487757.0,
3613815.6,      -0.2,      -0.2,       0.0);
     ( 487767.7, 3613795.4,      -0.2,      -0.2,       0.0);         ( 487778.5,
3613775.2,      -0.2,      -0.2,       0.0);
     ( 487789.2, 3613755.0,      -0.2,      -0.2,       0.0);         ( 487799.9,
3613734.8,      -0.2,      -0.2,       0.0);
     ( 487810.6, 3613714.6,      -0.2,      -0.2,       0.0);         ( 487821.4,
3613694.4,      -0.2,      -0.2,       0.0);
     ( 487832.1, 3613674.2,      -0.2,      -0.2,       0.0);         ( 487842.8,
3613653.9,      -0.2,      -0.2,       0.0);
     ( 487853.5, 3613633.8,      -0.2,      -0.2,       0.0);         ( 487864.3,
3613613.5,      -0.2,      -0.2,       0.0);
     ( 487875.0, 3613593.3,      -0.2,      -0.2,       0.0);         ( 487885.7,
3613573.1,      -0.2,      -0.2,       0.0);
     ( 487896.4, 3613552.9,      -0.2,      -0.2,       0.0);         ( 487907.2,
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3613532.7,   -0.2,   -0.2,   0.0);
     (487917.9, 3613512.5,   -0.2,   -0.2,   0.0);   (487928.6,
3613492.3,   -0.2,   -0.2,   0.0);
     (487939.3, 3613472.1,   -0.2,   -0.2,   0.0);   (487950.1,
3613451.9,   -0.2,   -0.2,   0.0);
     (487960.8, 3613431.7,   -0.2,   -0.2,   0.0);   (487971.5,
3613411.5,   -0.2,   -0.2,   0.0);
     (487982.2, 3613391.3,   -0.2,   -0.2,   0.0);   (487993.0,
3613371.0,   -0.2,   -0.2,   0.0);
     (488003.7, 3613350.8,   -0.2,   -0.2,   0.0);   (488014.4,
3613330.6,   -0.2,   -0.2,   0.0);
     (488025.1, 3613310.4,   -0.2,   -0.2,   0.0);   (488035.9,
3613290.2,   -0.2,   -0.2,   0.0);
     (488046.6, 3613270.0,   -0.2,   -0.2,   0.0);   (488057.3,
3613249.8,   -0.2,   -0.2,   0.0);
     (488068.0, 3613229.6,   -0.2,   -0.2,   0.0);   (488078.8,
3613209.4,   -0.2,   -0.2,   0.0);
     (488089.5, 3613189.2,   -0.2,   -0.2,   0.0);   (488100.2,
3613169.0,   -0.2,   -0.2,   0.0);
     (488111.0, 3613148.8,   -0.2,   -0.2,   0.0);   (488121.7,
3613128.6,   -0.1,   -0.1,   0.0);
     (488132.4, 3613108.3,   0.0,   0.0,   0.0);   (488143.1,
3613088.1,   0.0,   0.0,   0.0);
     (488153.8, 3613067.9,   0.0,   0.0,   0.0);   (488186.2,
3613040.3,   0.0,   0.0,   0.0);
     (488207.9, 3613032.9,   0.0,   0.0,   0.0);   (488229.5,
3613025.5,   0.0,   0.0,   0.0);
     (488251.2, 3613018.1,   0.0,   0.0,   0.0);   (488272.8,
3613010.7,   0.0,   0.0,   0.0);
     (488294.4, 3613003.3,   0.0,   0.0,   0.0);   (488316.1,
3612995.9,   0.1,   0.1,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (488337.7, 3612988.4,   0.1,   0.1,   0.0);   (488359.4,
3612981.0,   0.1,   0.1,   0.0);
     (488381.0, 3612973.6,   0.1,   0.1,   0.0);   (488402.7,
3612966.2,   0.1,   0.1,   0.0);
     (488424.3, 3612958.8,   0.1,   0.1,   0.0);   (488446.0,
3612951.4,   0.1,   0.1,   0.0);
     (488467.6, 3612944.0,   0.1,   0.1,   0.0);   (488489.2,

```
3612936.6,       0.1,       0.1,       0.0);
     ( 488510.9, 3612929.2,       0.1,       0.1,       0.0);         ( 488532.5,
3612921.8,       0.1,       0.1,       0.0);
     ( 488554.2, 3612914.3,       0.2,       3.7,       0.0);         ( 488575.8,
3612906.9,       0.1,       3.9,       0.0);
     ( 488597.5, 3612899.5,       3.1,       3.1,       0.0);         ( 488619.1,
3612892.1,       4.0,       4.0,       0.0);
     ( 488640.8, 3612884.7,       4.1,       4.1,       0.0);         ( 488662.4,
3612877.3,       4.0,       4.0,       0.0);
     ( 488684.0, 3612869.9,       3.7,       3.7,       0.0);         ( 488705.7,
3612862.5,       3.4,       3.4,       0.0);
     ( 488727.3, 3612855.1,       3.4,       3.4,       0.0);         ( 488749.0,
3612847.7,       3.6,       3.6,       0.0);
     ( 488770.6, 3612840.3,       3.8,       3.8,       0.0);         ( 488792.3,
3612832.8,       3.9,       3.9,       0.0);
     ( 488813.9, 3612825.4,       3.8,       3.8,       0.0);         ( 488835.5,
3612818.0,       3.7,       3.7,       0.0);
     ( 488857.2, 3612810.6,       3.8,       3.8,       0.0);         ( 488878.8,
3612803.2,       4.1,       4.1,       0.0);
     ( 488900.5, 3612795.8,       4.6,       4.6,       0.0);         ( 488922.1,
3612788.4,       4.8,       4.8,       0.0);
     ( 488943.8, 3612781.0,       4.7,       4.7,       0.0);         ( 488965.4,
3612773.6,       4.6,       4.6,       0.0);
     ( 488987.1, 3612766.2,       4.2,       4.2,       0.0);         ( 489008.7,
3612758.8,       4.1,       4.1,       0.0);
     ( 489030.3, 3612751.3,       4.0,       4.0,       0.0);         ( 489052.0,
3612743.9,       3.9,       3.9,       0.0);
     ( 489073.6, 3612736.5,       4.0,       4.0,       0.0);         ( 489095.3,
3612729.1,       4.2,       4.2,       0.0);
     ( 489116.9, 3612721.7,       4.3,       4.3,       0.0);         ( 487681.9,
3613957.1,      -0.3,      -0.3,       0.0);
     ( 487679.3, 3613980.2,      -0.3,      -0.3,       0.0);         ( 487676.8,
3614003.3,      -0.3,      -0.3,       0.0);
     ( 487674.2, 3614026.4,      -0.3,      -0.3,       0.0);         ( 487671.6,
3614049.5,      -0.3,      -0.3,       0.0);
     ( 487669.0, 3614072.7,      -0.3,      -0.3,       0.0);         ( 487666.4,
3614095.8,      -0.3,      -0.3,       0.0);
     ( 487663.8, 3614118.9,      -0.3,      -0.3,       0.0);         ( 487661.2,
3614142.0,      -0.3,      -0.3,       0.0);
     ( 487494.0, 3613914.4,      -0.3,      -0.3,       0.0);         ( 487504.8,
3613894.1,      -0.3,      -0.3,       0.0);
     ( 487515.6, 3613873.7,      -0.3,      -0.3,       0.0);         ( 487526.4,
3613853.3,      -0.3,      -0.3,       0.0);
     ( 487537.2, 3613832.9,      -0.3,      -0.3,       0.0);         ( 487548.1,
3613812.6,      -0.3,      -0.3,       0.0);
     ( 487558.9, 3613792.2,      -0.3,      -0.3,       0.0);         ( 487569.7,
3613771.8,      -0.3,      -0.3,       0.0);
     ( 487580.5, 3613751.4,      -0.3,      -0.3,       0.0);         ( 487591.3,
3613731.0,      -0.3,      -0.3,       0.0);
     ( 487602.1, 3613710.7,      -0.3,      -0.3,       0.0);         ( 487613.0,
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3613690.3,   -0.3,   -0.3,   0.0);
     (487623.8, 3613669.9,   -0.3,   -0.3,   0.0);   (487634.6,
3613649.5,   -0.3,   -0.3,   0.0);
     (487645.4, 3613629.2,   -0.3,   -0.3,   0.0);   (487656.2,
3613608.8,   -0.3,   -0.3,   0.0);
     (487667.0, 3613588.4,   -0.3,   -0.3,   0.0);   (487677.9,
3613568.0,   -0.3,   -0.3,   0.0);
     (487688.7, 3613547.6,   -0.3,   -0.3,   0.0);   (487699.5,
3613527.3,   -0.3,   -0.3,   0.0);
     (487710.3, 3613506.9,   -0.3,   -0.3,   0.0);   (487721.1,
3613486.5,   -0.3,   -0.3,   0.0);
     (487731.9, 3613466.1,   -0.3,   -0.3,   0.0);   (487742.8,
3613445.8,   -0.2,   -0.2,   0.0);
     (487753.6, 3613425.4,   -0.2,   -0.2,   0.0);   (487764.4,
3613405.0,   -0.2,   -0.2,   0.0);
     (487775.2, 3613384.6,   -0.2,   -0.2,   0.0);   (487786.0,
3613364.3,   -0.2,   -0.2,   0.0);
     (487796.8, 3613343.9,   -0.2,   -0.2,   0.0);   (487807.6,
3613323.5,   -0.2,   -0.2,   0.0);
     (487818.5, 3613303.1,   -0.2,   -0.2,   0.0);   (487829.3,
3613282.8,   -0.2,   -0.2,   0.0);
     (487840.1, 3613262.4,   -0.2,   -0.2,   0.0);   (487850.9,
3613242.0,   -0.2,   -0.2,   0.0);
     (487861.7, 3613221.6,   -0.2,   -0.2,   0.0);   (487872.5,
3613201.2,   -0.2,   -0.2,   0.0);
     (487883.3, 3613180.9,   -0.2,   -0.2,   0.0);   (487894.2,
3613160.5,   -0.2,   -0.2,   0.0);
     (487905.0, 3613140.1,   -0.2,   -0.2,   0.0);   (487915.8,
3613119.7,   -0.2,   -0.2,   0.0);
     (487926.6, 3613099.3,   -0.2,   -0.2,   0.0);   (487937.4,
3613079.0,   -0.2,   -0.2,   0.0);
     (487948.2, 3613058.6,   -0.2,   -0.2,   0.0);   (487959.1,
3613038.2,   -0.2,   -0.2,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (487969.9, 3613017.8,   -0.2,   -0.2,   0.0);   (487980.7,
3612997.5,   -0.2,   -0.2,   0.0);
     (487991.5, 3612977.1,   -0.2,   -0.2,   0.0);   (488002.3,
3612956.7,   -0.2,   -0.2,   0.0);
     (488013.1, 3612936.3,   -0.2,   -0.2,   0.0);   (488024.0,

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3612916.0,      -0.2,      -0.2,       0.0);
     ( 488056.6, 3612888.1,      -0.2,      -0.2,       0.0);         ( 488078.4,
3612880.6,      -0.2,      -0.2,       0.0);
     ( 488100.2, 3612873.2,      -0.1,      -0.1,       0.0);         ( 488122.1,
3612865.7,       0.0,       0.0,       0.0);
     ( 488143.9, 3612858.2,       0.0,       0.0,       0.0);         ( 488165.7,
3612850.8,       0.0,       0.0,       0.0);
     ( 488187.5, 3612843.3,       0.0,       0.0,       0.0);         ( 488209.4,
3612835.8,       0.0,       0.0,       0.0);
     ( 488231.2, 3612828.3,       0.0,       0.0,       0.0);         ( 488253.0,
3612820.9,       0.0,       0.0,       0.0);
     ( 488274.9, 3612813.4,       0.0,       0.0,       0.0);         ( 488296.7,
3612805.9,       0.0,       0.0,       0.0);
     ( 488318.5, 3612798.4,       0.1,       0.1,       0.0);         ( 488340.3,
3612791.0,       0.1,       0.1,       0.0);
     ( 488362.2, 3612783.5,       0.1,       0.1,       0.0);         ( 488384.0,
3612776.0,       0.1,       0.1,       0.0);
     ( 488405.8, 3612768.6,       0.1,       0.1,       0.0);         ( 488427.6,
3612761.1,       0.1,       0.1,       0.0);
     ( 488449.5, 3612753.6,       0.1,       0.1,       0.0);         ( 488471.3,
3612746.1,       0.1,       0.1,       0.0);
     ( 488493.1, 3612738.7,       0.1,       0.1,       0.0);         ( 488515.0,
3612731.2,       0.1,       0.1,       0.0);
     ( 488536.8, 3612723.7,       0.1,       0.1,       0.0);         ( 488558.6,
3612716.2,       0.1,       0.1,       0.0);
     ( 488580.4, 3612708.8,       0.1,       0.1,       0.0);         ( 488602.2,
3612701.3,       0.1,       3.8,       0.0);
     ( 488624.1, 3612693.8,       3.0,       3.7,       0.0);         ( 488645.9,
3612686.4,       3.6,       3.6,       0.0);
     ( 488667.7, 3612678.9,       3.9,       3.9,       0.0);         ( 488689.5,
3612671.4,       3.7,       3.7,       0.0);
     ( 488711.4, 3612663.9,       3.3,       3.3,       0.0);         ( 488733.2,
3612656.5,       3.3,       3.3,       0.0);
     ( 488755.0, 3612649.0,       3.6,       3.6,       0.0);         ( 488776.9,
3612641.5,       3.8,       3.8,       0.0);
     ( 488798.7, 3612634.1,       3.9,       3.9,       0.0);         ( 488820.5,
3612626.6,       4.1,       4.1,       0.0);
     ( 488842.3, 3612619.1,       4.2,       4.2,       0.0);         ( 488864.2,
3612611.6,       4.3,       4.3,       0.0);
     ( 488886.0, 3612604.2,       4.5,       4.5,       0.0);         ( 488907.8,
3612596.7,       4.8,       4.8,       0.0);
     ( 488929.6, 3612589.2,       5.0,       5.0,       0.0);         ( 488951.5,
3612581.8,       5.2,       5.2,       0.0);
     ( 488973.3, 3612574.3,       5.3,       5.3,       0.0);         ( 488995.1,
3612566.8,       5.1,       5.1,       0.0);
     ( 489017.0, 3612559.3,       5.0,       5.0,       0.0);         ( 489038.8,
3612551.9,       5.0,       5.0,       0.0);
     ( 489060.6, 3612544.4,       5.0,       5.0,       0.0);         ( 489082.4,
3612536.9,       5.0,       5.0,       0.0);
     ( 489104.2, 3612529.5,       5.0,       5.0,       0.0);         ( 489126.1,
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3612522.0,       5.0,       5.0,       0.0);
     ( 487483.2, 3613934.8,      -0.3,      -0.3,       0.0);         ( 487480.6,
3613957.9,      -0.3,      -0.3,       0.0);
     ( 487478.0, 3613981.1,      -0.3,      -0.3,       0.0);         ( 487475.4,
3614004.2,      -0.3,      -0.3,       0.0);
     ( 487472.8, 3614027.3,      -0.3,      -0.3,       0.0);         ( 487470.2,
3614050.4,      -0.3,      -0.3,       0.0);
     ( 487467.6, 3614073.5,      -0.3,      -0.3,       0.0);         ( 487465.1,
3614096.7,      -0.3,      -0.3,       0.0);
     ( 487462.5, 3614119.8,      -0.3,      -0.3,       0.0);         ( 487295.3,
3613892.1,      -0.3,      -0.3,       0.0);
     ( 487306.2, 3613871.6,      -0.3,      -0.3,       0.0);         ( 487317.1,
3613851.0,      -0.3,      -0.3,       0.0);
     ( 487328.0, 3613830.5,      -0.3,      -0.3,       0.0);         ( 487338.8,
3613810.0,      -0.3,      -0.3,       0.0);
     ( 487349.7, 3613789.5,      -0.3,      -0.3,       0.0);         ( 487360.6,
3613769.0,      -0.3,      -0.3,       0.0);
     ( 487371.5, 3613748.5,      -0.3,      -0.3,       0.0);         ( 487382.4,
3613728.0,      -0.3,      -0.3,       0.0);
     ( 487393.3, 3613707.5,      -0.3,      -0.3,       0.0);         ( 487404.2,
3613687.0,      -0.3,      -0.3,       0.0);
     ( 487415.1, 3613666.4,      -0.3,      -0.3,       0.0);         ( 487425.9,
3613645.9,      -0.3,      -0.3,       0.0);
     ( 487436.8, 3613625.4,      -0.3,      -0.3,       0.0);         ( 487447.7,
3613604.9,      -0.3,      -0.3,       0.0);
     ( 487458.6, 3613584.4,      -0.3,      -0.3,       0.0);         ( 487469.5,
3613563.9,      -0.3,      -0.3,       0.0);
     ( 487480.4, 3613543.4,      -0.3,      -0.3,       0.0);         ( 487491.3,
3613522.9,      -0.3,      -0.3,       0.0);
     ( 487502.1, 3613502.3,      -0.3,      -0.3,       0.0);         ( 487513.0,
3613481.8,      -0.3,      -0.3,       0.0);
     ( 487523.9, 3613461.3,      -0.3,      -0.3,       0.0);         ( 487534.8,
3613440.8,      -0.3,      -0.3,       0.0);
     ( 487545.7, 3613420.3,      -0.3,      -0.3,       0.0);         ( 487556.6,
3613399.8,      -0.3,      -0.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE  68
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 487567.5, 3613379.3,      -0.3,      -0.3,       0.0);         ( 487578.4,
3613358.8,      -0.3,      -0.3,       0.0);
     ( 487589.2, 3613338.3,      -0.3,      -0.3,       0.0);         ( 487600.1,
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3613317.8,      -0.3,      -0.3,       0.0);
     ( 487611.0, 3613297.2,      -0.3,      -0.3,       0.0);         ( 487621.9,
3613276.7,      -0.3,      -0.3,       0.0);
     ( 487632.8, 3613256.2,      -0.3,      -0.3,       0.0);         ( 487643.7,
3613235.7,      -0.3,      -0.3,       0.0);
     ( 487654.6, 3613215.2,      -0.3,      -0.3,       0.0);         ( 487665.5,
3613194.7,      -0.3,      -0.3,       0.0);
     ( 487676.3, 3613174.2,      -0.3,      -0.3,       0.0);         ( 487687.2,
3613153.7,      -0.3,      -0.3,       0.0);
     ( 487698.1, 3613133.1,      -0.3,      -0.3,       0.0);         ( 487709.0,
3613112.6,      -0.3,      -0.3,       0.0);
     ( 487719.9, 3613092.1,      -0.3,      -0.3,       0.0);         ( 487730.8,
3613071.6,      -0.3,      -0.3,       0.0);
     ( 487741.7, 3613051.1,      -0.2,      -0.2,       0.0);         ( 487752.5,
3613030.6,      -0.2,      -0.2,       0.0);
     ( 487763.4, 3613010.1,      -0.2,      -0.2,       0.0);         ( 487774.3,
3612989.6,      -0.2,      -0.2,       0.0);
     ( 487785.2, 3612969.1,      -0.2,      -0.2,       0.0);         ( 487796.1,
3612948.5,      -0.2,      -0.2,       0.0);
     ( 487807.0, 3612928.0,      -0.2,      -0.2,       0.0);         ( 487817.9,
3612907.5,      -0.2,      -0.2,       0.0);
     ( 487828.8, 3612887.0,      -0.2,      -0.2,       0.0);         ( 487839.6,
3612866.5,      -0.2,      -0.2,       0.0);
     ( 487850.5, 3612846.0,      -0.2,      -0.2,       0.0);         ( 487861.4,
3612825.5,      -0.2,      -0.2,       0.0);
     ( 487872.3, 3612805.0,      -0.2,      -0.2,       0.0);         ( 487883.2,
3612784.4,      -0.2,      -0.2,       0.0);
     ( 487894.1, 3612763.9,      -0.2,      -0.2,       0.0);         ( 487926.9,
3612735.9,      -0.2,      -0.2,       0.0);
     ( 487948.9, 3612728.4,      -0.2,      -0.2,       0.0);         ( 487970.9,
3612720.9,      -0.2,      -0.2,       0.0);
     ( 487992.8, 3612713.3,      -0.2,      -0.2,       0.0);         ( 488014.8,
3612705.8,      -0.2,      -0.2,       0.0);
     ( 488036.8, 3612698.3,      -0.2,      -0.2,       0.0);         ( 488058.8,
3612690.8,      -0.2,      -0.2,       0.0);
     ( 488080.7, 3612683.3,       0.0,       0.0,       0.0);         ( 488102.7,
3612675.7,       0.0,       0.0,       0.0);
     ( 488124.7, 3612668.2,       0.0,       0.0,       0.0);         ( 488146.6,
3612660.7,       0.0,       0.0,       0.0);
     ( 488168.6, 3612653.2,       0.0,       0.0,       0.0);         ( 488190.6,
3612645.7,       0.0,       0.0,       0.0);
     ( 488212.5, 3612638.1,       0.0,       0.0,       0.0);         ( 488234.5,
3612630.6,       0.0,       0.0,       0.0);
     ( 488256.5, 3612623.1,       0.0,       0.0,       0.0);         ( 488278.4,
3612615.6,       0.0,       0.0,       0.0);
     ( 488300.4, 3612608.0,       0.0,       0.0,       0.0);         ( 488322.4,
3612600.5,       0.0,       0.0,       0.0);
     ( 488344.3, 3612593.0,       0.1,       0.1,       0.0);         ( 488366.3,
3612585.5,       0.1,       0.1,       0.0);
     ( 488388.3, 3612578.0,       0.1,       0.1,       0.0);         ( 488410.3,
```

3612570.4,   0.1,   0.1,   0.0);
     (488432.2, 3612562.9,   0.1,   0.1,   0.0);   (488454.2,
3612555.4,   0.1,   0.1,   0.0);
     (488476.2, 3612547.9,   0.1,   0.1,   0.0);   (488498.1,
3612540.4,   0.1,   0.1,   0.0);
     (488520.1, 3612532.8,   0.1,   0.1,   0.0);   (488542.1,
3612525.3,   0.1,   0.1,   0.0);
     (488564.0, 3612517.8,   0.1,   0.1,   0.0);   (488586.0,
3612510.3,   0.1,   0.1,   0.0);
     (488608.0, 3612502.8,   0.1,   0.1,   0.0);   (488630.0,
3612495.2,   0.1,   0.1,   0.0);
     (488651.9, 3612487.7,   0.1,   0.1,   0.0);   (488673.9,
3612480.2,   0.1,   0.1,   0.0);
     (488695.9, 3612472.7,   0.1,   0.1,   0.0);   (488717.8,
3612465.1,   0.8,   0.8,   0.0);
     (488739.8, 3612457.6,   2.0,   2.0,   0.0);   (488761.8,
3612450.1,   3.3,   3.3,   0.0);
     (488783.8, 3612442.6,   3.4,   3.4,   0.0);   (488805.7,
3612435.1,   3.6,   3.6,   0.0);
     (488827.7, 3612427.5,   3.8,   3.8,   0.0);   (488849.7,
3612420.0,   3.9,   3.9,   0.0);
     (488871.6, 3612412.5,   4.0,   4.0,   0.0);   (488893.6,
3612405.0,   4.1,   4.1,   0.0);
     (488915.6, 3612397.5,   4.3,   4.3,   0.0);   (488937.5,
3612389.9,   4.5,   4.5,   0.0);
     (488959.5, 3612382.4,   4.5,   4.5,   0.0);   (488981.5,
3612374.9,   4.5,   4.5,   0.0);
     (489003.5, 3612367.4,   4.5,   4.5,   0.0);   (489025.4,
3612359.9,   4.4,   4.4,   0.0);
     (489047.4, 3612352.3,   4.3,   4.3,   0.0);   (489069.4,
3612344.8,   4.1,   4.1,   0.0);
     (489091.3, 3612337.3,   3.9,   3.9,   0.0);   (489113.3,
3612329.8,   3.8,   3.8,   0.0);
     (489135.3, 3612322.2,   2.1,   3.7,   0.0);   (487284.4,
3613912.6,   -0.3,   -0.3,   0.0);
     (487281.8, 3613935.7,   -0.3,   -0.3,   0.0);   (487279.2,
3613958.8,   -0.3,   -0.3,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (487276.6, 3613981.9,   -0.3,   -0.3,   0.0);   (487274.1,

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3614005.1,      -0.3,      -0.3,       0.0);
     ( 487271.5, 3614028.2,      -0.3,      -0.3,       0.0);         ( 487268.9,
3614051.3,      -0.3,      -0.3,       0.0);
     ( 487266.3, 3614074.4,      -0.3,      -0.3,       0.0);         ( 487263.7,
3614097.5,      -0.3,      -0.3,       0.0);
     ( 486897.7, 3613847.7,      -0.3,      -0.3,       0.0);         ( 486908.6,
3613827.3,      -0.3,      -0.3,       0.0);
     ( 486919.4, 3613806.8,      -0.3,      -0.3,       0.0);         ( 486930.2,
3613786.4,      -0.3,      -0.3,       0.0);
     ( 486941.1, 3613766.0,      -0.3,      -0.3,       0.0);         ( 486951.9,
3613745.6,      -0.3,      -0.3,       0.0);
     ( 486962.7, 3613725.2,      -0.3,      -0.3,       0.0);         ( 486973.6,
3613704.8,      -0.3,      -0.3,       0.0);
     ( 486984.4, 3613684.4,      -0.3,      -0.3,       0.0);         ( 486995.2,
3613664.0,      -0.3,      -0.3,       0.0);
     ( 487006.1, 3613643.5,      -0.3,      -0.3,       0.0);         ( 487016.9,
3613623.1,      -0.3,      -0.3,       0.0);
     ( 487027.8, 3613602.7,      -0.3,      -0.3,       0.0);         ( 487038.6,
3613582.3,      -0.3,      -0.3,       0.0);
     ( 487049.4, 3613561.9,      -0.3,      -0.3,       0.0);         ( 487060.3,
3613541.5,      -0.3,      -0.3,       0.0);
     ( 487071.1, 3613521.1,      -0.3,      -0.3,       0.0);         ( 487081.9,
3613500.6,      -0.3,      -0.3,       0.0);
     ( 487092.8, 3613480.2,      -0.3,      -0.3,       0.0);         ( 487103.6,
3613459.8,      -0.3,      -0.3,       0.0);
     ( 487114.4, 3613439.4,      -0.3,      -0.3,       0.0);         ( 487125.3,
3613419.0,      -0.3,      -0.3,       0.0);
     ( 487136.1, 3613398.6,      -0.3,      -0.3,       0.0);         ( 487146.9,
3613378.2,      -0.3,      -0.3,       0.0);
     ( 487157.8, 3613357.8,      -0.3,      -0.3,       0.0);         ( 487168.6,
3613337.3,      -0.3,      -0.3,       0.0);
     ( 487179.4, 3613316.9,      -0.3,      -0.3,       0.0);         ( 487190.3,
3613296.5,      -0.3,      -0.3,       0.0);
     ( 487201.1, 3613276.1,      -0.3,      -0.3,       0.0);         ( 487211.9,
3613255.7,      -0.3,      -0.3,       0.0);
     ( 487222.8, 3613235.3,      -0.3,      -0.3,       0.0);         ( 487233.6,
3613214.8,      -0.3,      -0.3,       0.0);
     ( 487244.5, 3613194.4,      -0.3,      -0.3,       0.0);         ( 487255.3,
3613174.0,      -0.3,      -0.3,       0.0);
     ( 487266.1, 3613153.6,      -0.3,      -0.3,       0.0);         ( 487277.0,
3613133.2,      -0.3,      -0.3,       0.0);
     ( 487287.8, 3613112.8,      -0.3,      -0.3,       0.0);         ( 487298.6,
3613092.4,      -0.3,      -0.3,       0.0);
     ( 487309.5, 3613072.0,      -0.3,      -0.3,       0.0);         ( 487320.3,
3613051.5,      -0.3,      -0.3,       0.0);
     ( 487331.1, 3613031.1,      -0.3,      -0.3,       0.0);         ( 487342.0,
3613010.7,      -0.3,      -0.3,       0.0);
     ( 487352.8, 3612990.3,      -0.3,      -0.3,       0.0);         ( 487363.6,
3612969.9,      -0.3,      -0.3,       0.0);
     ( 487374.5, 3612949.5,      -0.3,      -0.3,       0.0);         ( 487385.3,
```

3612929.1,   -0.3,   -0.3,   0.0);
     (487396.1, 3612908.6,   -0.3,   -0.3,   0.0);   (487407.0,
3612888.2,   -0.3,   -0.3,   0.0);
     (487417.8, 3612867.8,   -0.3,   -0.3,   0.0);   (487428.6,
3612847.4,   -0.3,   -0.3,   0.0);
     (487439.5, 3612827.0,   -0.3,   -0.3,   0.0);   (487450.3,
3612806.6,   -0.3,   -0.3,   0.0);
     (487461.1, 3612786.2,   -0.3,   -0.3,   0.0);   (487472.0,
3612765.8,   -0.3,   -0.3,   0.0);
     (487482.8, 3612745.3,   -0.3,   -0.3,   0.0);   (487493.6,
3612724.9,   -0.3,   -0.3,   0.0);
     (487504.5, 3612704.5,   -0.3,   -0.3,   0.0);   (487515.3,
3612684.1,   -0.3,   -0.3,   0.0);
     (487526.1, 3612663.7,   -0.3,   -0.3,   0.0);   (487537.0,
3612643.3,   -0.3,   -0.3,   0.0);
     (487547.8, 3612622.9,   -0.3,   -0.3,   0.0);   (487558.7,
3612602.4,   -0.3,   -0.3,   0.0);
     (487569.5, 3612582.0,   -0.3,   -0.3,   0.0);   (487580.3,
3612561.6,   -0.3,   -0.3,   0.0);
     (487591.2, 3612541.2,   -0.3,   -0.3,   0.0);   (487602.0,
3612520.8,   -0.3,   -0.3,   0.0);
     (487612.8, 3612500.4,   -0.3,   -0.3,   0.0);   (487623.7,
3612480.0,   -0.3,   -0.3,   0.0);
     (487634.5, 3612459.5,   -0.3,   -0.3,   0.0);   (487667.2,
3612431.6,   -0.3,   -0.3,   0.0);
     (487689.1, 3612424.2,   -0.3,   -0.3,   0.0);   (487710.9,
3612416.7,   -0.3,   -0.3,   0.0);
     (487732.8, 3612409.2,   -0.3,   -0.3,   0.0);   (487754.7,
3612401.7,   -0.3,   -0.3,   0.0);
     (487776.5, 3612394.2,   -0.2,   -0.2,   0.0);   (487798.4,
3612386.7,   -0.2,   -0.2,   0.0);
     (487820.3, 3612379.2,   -0.2,   -0.2,   0.0);   (487842.1,
3612371.8,   -0.2,   -0.2,   0.0);
     (487864.0, 3612364.3,   -0.2,   -0.2,   0.0);   (487885.8,
3612356.8,   -0.2,   -0.2,   0.0);
     (487907.7, 3612349.3,   -0.2,   -0.2,   0.0);   (487929.6,
3612341.8,   -0.2,   -0.2,   0.0);
     (487951.5, 3612334.3,   -0.2,   -0.2,   0.0);   (487973.3,
3612326.8,   -0.2,   -0.2,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                          (METERS)

```
     ( 487995.2, 3612319.4,      -0.2,      -0.2,       0.0);         ( 488017.0,
3612311.9,      -0.2,      -0.2,       0.0);
     ( 488038.9, 3612304.4,      -0.2,      -0.2,       0.0);         ( 488060.8,
3612296.9,      -0.1,      -0.1,       0.0);
     ( 488082.6, 3612289.4,       0.0,       0.0,       0.0);         ( 488104.5,
3612281.9,       0.0,       0.0,       0.0);
     ( 488126.4, 3612274.5,       0.0,       0.0,       0.0);         ( 488148.2,
3612267.0,       0.0,       0.0,       0.0);
     ( 488170.1, 3612259.5,       0.0,       0.0,       0.0);         ( 488192.0,
3612252.0,       0.0,       0.0,       0.0);
     ( 488213.8, 3612244.5,       0.0,       0.0,       0.0);         ( 488235.7,
3612237.0,       0.0,       0.0,       0.0);
     ( 488257.6, 3612229.5,       0.0,       0.0,       0.0);         ( 488279.4,
3612222.1,       0.0,       0.0,       0.0);
     ( 488301.3, 3612214.6,       0.0,       0.0,       0.0);         ( 488323.2,
3612207.1,       0.0,       0.0,       0.0);
     ( 488345.0, 3612199.6,       0.0,       0.0,       0.0);         ( 488366.9,
3612192.1,       0.0,       0.0,       0.0);
     ( 488388.8, 3612184.6,       0.1,       0.1,       0.0);         ( 488410.6,
3612177.1,       0.1,       0.1,       0.0);
     ( 488432.5, 3612169.7,       0.1,       0.1,       0.0);         ( 488454.3,
3612162.2,       0.1,       0.1,       0.0);
     ( 488476.2, 3612154.7,       0.1,       0.1,       0.0);         ( 488498.1,
3612147.2,       0.1,       0.1,       0.0);
     ( 488520.0, 3612139.7,       0.1,       0.1,       0.0);         ( 488541.8,
3612132.2,       0.1,       0.1,       0.0);
     ( 488563.7, 3612124.8,       0.1,       0.1,       0.0);         ( 488585.5,
3612117.3,       0.1,       0.1,       0.0);
     ( 488607.4, 3612109.8,       0.1,       0.1,       0.0);         ( 488629.3,
3612102.3,       0.1,       0.1,       0.0);
     ( 488651.1, 3612094.8,       0.1,       0.1,       0.0);         ( 488673.0,
3612087.3,       0.1,       0.1,       0.0);
     ( 488694.9, 3612079.8,       0.1,       0.1,       0.0);         ( 488716.7,
3612072.4,       0.1,       0.1,       0.0);
     ( 488738.6, 3612064.9,       0.0,       0.0,       0.0);         ( 488760.5,
3612057.4,      -0.1,      -0.1,       0.0);
     ( 488782.3, 3612049.9,      -0.2,      -0.2,       0.0);         ( 488804.2,
3612042.4,      -0.3,      -0.3,       0.0);
     ( 488826.1, 3612034.9,      -0.2,      -0.2,       0.0);         ( 488847.9,
3612027.4,      -0.1,      -0.1,       0.0);
     ( 488869.8, 3612020.0,      -0.0,      -0.0,       0.0);         ( 488891.6,
3612012.5,       0.0,       0.0,       0.0);
     ( 488913.5, 3612005.0,       0.2,       0.2,       0.0);         ( 488935.4,
3611997.5,       0.3,       0.3,       0.0);
     ( 488957.2, 3611990.0,       0.4,       0.4,       0.0);         ( 488979.1,
3611982.5,       0.5,       0.5,       0.0);
     ( 489001.0, 3611975.0,       0.6,       0.6,       0.0);         ( 489022.8,
3611967.6,       0.9,       0.9,       0.0);
     ( 489044.7, 3611960.1,       1.7,       1.7,       0.0);         ( 489066.6,
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3611952.6,   2.0,   2.0,   0.0);
     (489088.4, 3611945.1,   2.1,   2.1,   0.0);   (489110.3,
3611937.6,   2.3,   2.3,   0.0);
     (489132.2, 3611930.1,   2.9,   2.9,   0.0);   (489154.0,
3611922.6,   3.5,   3.5,   0.0);
     (486886.9, 3613868.1,   -0.3,   -0.3,   0.0);   (486884.3,
3613891.2,   -0.3,   -0.3,   0.0);
     (486881.7, 3613914.3,   -0.3,   -0.3,   0.0);   (486879.1,
3613937.5,   -0.3,   -0.3,   0.0);
     (486876.5, 3613960.6,   -0.3,   -0.3,   0.0);   (486874.0,
3613983.7,   -0.3,   -0.3,   0.0);
     (486871.4, 3614006.8,   -0.3,   -0.3,   0.0);   (486868.8,
3614029.9,   -0.3,   -0.3,   0.0);
     (486866.2, 3614053.1,   -0.3,   -0.3,   0.0);   (486500.2,
3613803.3,   0.6,   0.6,   0.0);
     (486511.0, 3613782.9,   0.6,   0.6,   0.0);   (486521.8,
3613762.6,   0.6,   0.6,   0.0);
     (486532.6, 3613742.2,   0.6,   0.6,   0.0);   (486543.4,
3613721.9,   0.6,   0.6,   0.0);
     (486554.2, 3613701.5,   0.6,   0.6,   0.0);   (486565.0,
3613681.2,   0.6,   0.6,   0.0);
     (486575.8, 3613660.8,   0.6,   0.6,   0.0);   (486586.6,
3613640.5,   0.6,   0.6,   0.0);
     (486597.4, 3613620.1,   0.6,   0.6,   0.0);   (486608.2,
3613599.8,   0.6,   0.6,   0.0);
     (486619.0, 3613579.4,   0.6,   0.6,   0.0);   (486629.8,
3613559.1,   0.6,   0.6,   0.0);
     (486640.6, 3613538.8,   0.6,   0.6,   0.0);   (486651.4,
3613518.4,   0.6,   0.6,   0.0);
     (486662.2, 3613498.1,   0.6,   0.6,   0.0);   (486673.0,
3613477.7,   0.6,   0.6,   0.0);
     (486683.8, 3613457.4,   0.6,   0.6,   0.0);   (486694.6,
3613437.0,   0.6,   0.6,   0.0);
     (486705.4, 3613416.7,   0.6,   0.6,   0.0);   (486716.2,
3613396.3,   0.4,   0.4,   0.0);
     (486727.0, 3613376.0,   0.3,   0.3,   0.0);   (486737.8,
3613355.6,   0.0,   0.0,   0.0);
     (486748.6, 3613335.3,   -0.2,   -0.2,   0.0);   (486759.4,
3613314.9,   -0.3,   -0.3,   0.0);
     (486770.2, 3613294.6,   -0.3,   -0.3,   0.0);   (486781.0,
3613274.2,   -0.3,   -0.3,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(486791.8, 3613253.9, -0.3, -0.3, 0.0); (486802.6, 3613233.5, -0.3, -0.3, 0.0);
(486813.4, 3613213.2, -0.3, -0.3, 0.0); (486824.2, 3613192.9, -0.3, -0.3, 0.0);
(486835.0, 3613172.5, -0.3, -0.3, 0.0); (486845.8, 3613152.2, -0.3, -0.3, 0.0);
(486856.5, 3613131.8, -0.3, -0.3, 0.0); (486867.3, 3613111.5, -0.3, -0.3, 0.0);
(486878.1, 3613091.1, -0.3, -0.3, 0.0); (486889.0, 3613070.8, -0.3, -0.3, 0.0);
(486899.8, 3613050.4, -0.3, -0.3, 0.0); (486910.5, 3613030.1, -0.3, -0.3, 0.0);
(486921.3, 3613009.7, -0.3, -0.3, 0.0); (486932.1, 3612989.4, -0.3, -0.3, 0.0);
(486943.0, 3612969.0, -0.3, -0.3, 0.0); (486953.8, 3612948.7, -0.3, -0.3, 0.0);
(486964.5, 3612928.3, -0.3, -0.3, 0.0); (486975.3, 3612908.0, -0.3, -0.3, 0.0);
(486986.1, 3612887.7, -0.3, -0.3, 0.0); (486996.9, 3612867.3, -0.3, -0.3, 0.0);
(487007.7, 3612847.0, -0.3, -0.3, 0.0); (487018.5, 3612826.6, -0.3, -0.3, 0.0);
(487029.3, 3612806.3, -0.3, -0.3, 0.0); (487040.1, 3612785.9, -0.3, -0.3, 0.0);
(487050.9, 3612765.6, -0.3, -0.3, 0.0); (487061.7, 3612745.2, -0.3, -0.3, 0.0);
(487072.5, 3612724.9, -0.3, -0.3, 0.0); (487083.3, 3612704.5, -0.3, -0.3, 0.0);
(487094.1, 3612684.2, -0.3, -0.3, 0.0); (487104.9, 3612663.8, -0.3, -0.3, 0.0);
(487115.7, 3612643.5, -0.3, -0.3, 0.0); (487126.5, 3612623.1, -0.3, -0.3, 0.0);
(487137.3, 3612602.8, -0.3, -0.3, 0.0); (487148.1, 3612582.5, -0.3, -0.3, 0.0);
(487158.9, 3612562.1, -0.3, -0.3, 0.0); (487169.7, 3612541.8, -0.3, -0.3, 0.0);
(487180.5, 3612521.4, -0.3, -0.3, 0.0); (487191.3, 3612501.1, -0.3, -0.3, 0.0);
(487202.1, 3612480.7, -0.3, -0.3, 0.0); (487212.9, 3612460.4, -0.3, -0.3, 0.0);
(487223.7, 3612440.0, -0.3, -0.3, 0.0); (487234.5, 3612419.7, -0.3, -0.3, 0.0);
(487245.3, 3612399.3, -0.3, -0.3, 0.0); (487256.1, 3612379.0, -0.3, -0.3, 0.0);
(487266.9, 3612358.6, -0.3, -0.3, 0.0); (487277.7, 3612338.3, -0.3, -0.3, 0.0);
(487288.5, 3612317.9, -0.3, -0.3, 0.0); (487299.3,

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     ( 487310.1, 3612277.3,      -0.3,      -0.3,       0.0);         ( 487320.9,
3612256.9,      -0.3,      -0.3,       0.0);
     ( 487331.7, 3612236.6,      -0.3,      -0.3,       0.0);         ( 487342.5,
3612216.2,      -0.3,      -0.3,       0.0);
     ( 487353.3, 3612195.9,      -0.3,      -0.3,       0.0);         ( 487364.1,
3612175.5,      -0.3,      -0.3,       0.0);
     ( 487374.9, 3612155.2,      -0.3,      -0.3,       0.0);         ( 487407.5,
3612127.4,      -0.3,      -0.3,       0.0);
     ( 487429.3, 3612119.9,      -0.3,      -0.3,       0.0);         ( 487451.1,
3612112.4,      -0.3,      -0.3,       0.0);
     ( 487472.9, 3612105.0,      -0.3,      -0.3,       0.0);         ( 487494.7,
3612097.5,      -0.3,      -0.3,       0.0);
     ( 487516.5, 3612090.1,      -0.3,      -0.3,       0.0);         ( 487538.3,
3612082.6,      -0.3,      -0.3,       0.0);
     ( 487560.1, 3612075.1,      -0.3,      -0.3,       0.0);         ( 487581.9,
3612067.7,      -0.3,      -0.3,       0.0);
     ( 487603.6, 3612060.2,      -0.3,      -0.3,       0.0);         ( 487625.4,
3612052.8,      -0.3,      -0.3,       0.0);
     ( 487647.2, 3612045.3,      -0.3,      -0.3,       0.0);         ( 487669.0,
3612037.8,      -0.3,      -0.3,       0.0);
     ( 487690.8, 3612030.4,      -0.3,      -0.3,       0.0);         ( 487712.6,
3612022.9,      -0.3,      -0.3,       0.0);
     ( 487734.4, 3612015.5,      -0.3,      -0.3,       0.0);         ( 487756.2,
3612008.0,      -0.3,      -0.3,       0.0);
     ( 487778.0, 3612000.5,      -0.3,      -0.3,       0.0);         ( 487799.8,
3611993.1,      -0.3,      -0.3,       0.0);
     ( 487821.6, 3611985.6,      -0.2,      -0.2,       0.0);         ( 487843.4,
3611978.2,      -0.2,      -0.2,       0.0);
     ( 487865.2, 3611970.7,      -0.2,      -0.2,       0.0);         ( 487887.0,
3611963.2,      -0.2,      -0.2,       0.0);
     ( 487908.8, 3611955.8,      -0.2,      -0.2,       0.0);         ( 487930.5,
3611948.3,      -0.2,      -0.2,       0.0);
     ( 487952.3, 3611940.9,      -0.2,      -0.2,       0.0);         ( 487974.1,
3611933.4,      -0.2,      -0.2,       0.0);
     ( 487995.9, 3611925.9,      -0.2,      -0.2,       0.0);         ( 488017.7,
3611918.5,      -0.2,      -0.2,       0.0);
     ( 488039.5, 3611911.0,      -0.2,      -0.2,       0.0);         ( 488061.3,
3611903.5,      -0.1,      -0.1,       0.0);
     ( 488083.1, 3611896.1,       0.0,       0.0,       0.0);         ( 488104.9,
3611888.6,       0.0,       0.0,       0.0);
     ( 488126.7, 3611881.2,       0.0,       0.0,       0.0);         ( 488148.5,
3611873.7,       0.0,       0.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(488170.3, 3611866.2, 0.0, 0.0, 0.0); (488192.1, 3611858.8, 0.0, 0.0, 0.0);
(488213.9, 3611851.3, 0.0, 0.0, 0.0); (488235.7, 3611843.9, 0.0, 0.0, 0.0);
(488257.5, 3611836.4, 0.0, 0.0, 0.0); (488279.2, 3611828.9, 0.0, 0.0, 0.0);
(488301.0, 3611821.5, 0.0, 0.0, 0.0); (488322.8, 3611814.0, 0.0, 0.0, 0.0);
(488344.6, 3611806.6, 0.0, 0.0, 0.0); (488366.4, 3611799.1, 0.0, 0.0, 0.0);
(488388.2, 3611791.6, 0.0, 0.0, 0.0); (488410.0, 3611784.2, 0.0, 0.0, 0.0);
(488431.8, 3611776.7, 0.0, 0.0, 0.0); (488453.6, 3611769.3, 0.0, 0.0, 0.0);
(488475.4, 3611761.8, 0.0, 0.0, 0.0); (488497.2, 3611754.3, 0.1, 0.1, 0.0);
(488519.0, 3611746.9, 0.1, 0.1, 0.0); (488540.8, 3611739.4, 0.1, 0.1, 0.0);
(488562.6, 3611732.0, 0.1, 0.1, 0.0); (488584.3, 3611724.5, 0.1, 0.1, 0.0);
(488606.1, 3611717.0, 0.1, 0.1, 0.0); (488627.9, 3611709.6, 0.1, 0.1, 0.0);
(488649.7, 3611702.1, -0.0, -0.0, 0.0); (488671.5, 3611694.7, -0.1, -0.1, 0.0);
(488693.3, 3611687.2, -0.2, -0.2, 0.0); (488715.1, 3611679.7, -0.2, -0.2, 0.0);
(488736.9, 3611672.3, -0.2, -0.2, 0.0); (488758.7, 3611664.8, -0.1, -0.1, 0.0);
(488780.5, 3611657.3, -0.0, -0.0, 0.0); (488802.3, 3611649.9, -0.0, -0.0, 0.0);
(488824.1, 3611642.4, 0.0, 0.0, 0.0); (488845.9, 3611635.0, 0.1, 0.1, 0.0);
(488867.7, 3611627.5, 0.1, 0.1, 0.0); (488889.5, 3611620.0, 0.1, 0.1, 0.0);
(488911.2, 3611612.6, 0.1, 0.1, 0.0); (488933.0, 3611605.1, 0.0, 0.0, 0.0);
(488954.8, 3611597.7, -0.1, -0.1, 0.0); (488976.6, 3611590.2, -0.3, -0.3, 0.0);
(488998.4, 3611582.8, -0.3, -0.3, 0.0); (489020.2, 3611575.3, -0.2, -0.2, 0.0);
(489042.0, 3611567.8, 0.0, 0.0, 0.0); (489063.8, 3611560.4, 0.4, 0.4, 0.0);
(489085.6, 3611552.9, 0.5, 0.5, 0.0); (489107.4, 3611545.4, 0.5, 0.5, 0.0);
(489129.2, 3611538.0, 0.5, 0.5, 0.0); (489151.0,

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     ( 489172.8, 3611523.1,       0.6,       0.6,       0.0);         ( 486489.4,
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     ( 486486.8, 3613846.7,       0.6,       0.6,       0.0);         ( 486484.2,
3613869.8,       0.6,       0.6,       0.0);
     ( 486481.6, 3613893.0,       0.6,       0.6,       0.0);         ( 486479.0,
3613916.1,       0.6,       0.6,       0.0);
     ( 486476.4, 3613939.2,       0.6,       0.6,       0.0);         ( 486473.8,
3613962.3,       0.6,       0.6,       0.0);
     ( 486471.3, 3613985.5,       0.6,       0.6,       0.0);         ( 486468.7,
3614008.6,       0.6,       0.6,       0.0);
     ( 486102.8, 3613758.6,       0.5,       0.5,       0.0);         ( 486113.6,
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     ( 486124.5, 3613717.6,       0.5,       0.5,       0.0);         ( 486135.4,
3613697.1,       0.5,       0.5,       0.0);
     ( 486146.3, 3613676.6,       0.5,       0.5,       0.0);         ( 486157.2,
3613656.0,       0.5,       0.5,       0.0);
     ( 486168.1, 3613635.5,       0.5,       0.5,       0.0);         ( 486179.0,
3613615.0,       0.5,       0.5,       0.0);
     ( 486189.8, 3613594.5,       0.5,       0.5,       0.0);         ( 486200.7,
3613574.0,       0.5,       0.5,       0.0);
     ( 486211.6, 3613553.5,       0.5,       0.5,       0.0);         ( 486222.5,
3613533.0,       0.5,       0.5,       0.0);
     ( 486233.4, 3613512.5,       0.5,       0.5,       0.0);         ( 486244.3,
3613492.0,       0.5,       0.5,       0.0);
     ( 486255.2, 3613471.4,       0.5,       0.5,       0.0);         ( 486266.0,
3613450.9,       0.5,       0.5,       0.0);
     ( 486276.9, 3613430.4,       0.5,       0.5,       0.0);         ( 486287.8,
3613409.9,       0.5,       0.5,       0.0);
     ( 486298.7, 3613389.4,       0.5,       0.5,       0.0);         ( 486309.6,
3613368.9,       0.5,       0.5,       0.0);
     ( 486320.5, 3613348.4,       0.5,       0.5,       0.0);         ( 486331.4,
3613327.9,       0.5,       0.5,       0.0);
     ( 486342.2, 3613307.4,       0.5,       0.5,       0.0);         ( 486353.1,
3613286.8,       0.5,       0.5,       0.0);
     ( 486364.0, 3613266.3,       0.5,       0.5,       0.0);         ( 486374.9,
3613245.8,       0.6,       0.6,       0.0);
     ( 486385.8, 3613225.3,       0.6,       0.6,       0.0);         ( 486396.7,
3613204.8,       0.6,       0.6,       0.0);
     ( 486407.6, 3613184.3,       0.6,       0.6,       0.0);         ( 486418.5,
3613163.8,       0.6,       0.6,       0.0);
     ( 486429.3, 3613143.3,       0.6,       0.6,       0.0);         ( 486440.2,
3613122.8,       0.6,       0.6,       0.0);
     ( 486451.1, 3613102.2,       0.6,       0.6,       0.0);         ( 486462.0,
3613081.7,       0.6,       0.6,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***       09:06:31
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(486472.9, 3613061.2, 0.6, 0.6, 0.0); (486483.8, 3613040.7, 0.6, 0.6, 0.0);
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(486516.4, 3612979.2, 0.6, 0.6, 0.0); (486527.3, 3612958.7, 0.6, 0.6, 0.0);
(486538.2, 3612938.1, 0.6, 0.6, 0.0); (486549.1, 3612917.6, 0.6, 0.6, 0.0);
(486560.0, 3612897.1, 0.6, 0.6, 0.0); (486570.9, 3612876.6, 0.6, 0.6, 0.0);
(486581.8, 3612856.1, 0.6, 0.6, 0.0); (486592.6, 3612835.6, 0.6, 0.6, 0.0);
(486603.5, 3612815.1, 0.6, 0.6, 0.0); (486614.4, 3612794.6, 0.6, 0.6, 0.0);
(486625.3, 3612774.1, 0.6, 0.6, 0.0); (486636.2, 3612753.5, 0.6, 0.6, 0.0);
(486647.1, 3612733.0, 0.6, 0.6, 0.0); (486658.0, 3612712.5, 0.6, 0.6, 0.0);
(486668.9, 3612692.0, 0.6, 0.6, 0.0); (486679.7, 3612671.5, 0.6, 0.6, 0.0);
(486690.6, 3612651.0, 0.6, 0.6, 0.0); (486701.5, 3612630.5, 0.6, 0.6, 0.0);
(486712.4, 3612610.0, 0.4, 0.4, 0.0); (486723.3, 3612589.5, 0.2, 0.2, 0.0);
(486734.2, 3612568.9, 0.0, 0.0, 0.0); (486745.1, 3612548.4, -0.2, -0.2, 0.0);
(486756.0, 3612527.9, -0.3, -0.3, 0.0); (486766.8, 3612507.4, -0.3, -0.3, 0.0);
(486777.7, 3612486.9, -0.3, -0.3, 0.0); (486788.6, 3612466.4, -0.3, -0.3, 0.0);
(486799.5, 3612445.9, -0.3, -0.3, 0.0); (486810.4, 3612425.4, -0.3, -0.3, 0.0);
(486821.3, 3612404.9, -0.3, -0.3, 0.0); (486832.2, 3612384.3, -0.3, -0.3, 0.0);
(486843.0, 3612363.8, -0.3, -0.3, 0.0); (486853.9, 3612343.3, -0.3, -0.3, 0.0);
(486864.8, 3612322.8, -0.3, -0.3, 0.0); (486875.7, 3612302.3, -0.3, -0.3, 0.0);
(486886.6, 3612281.8, -0.3, -0.3, 0.0); (486897.5, 3612261.3, -0.3, -0.3, 0.0);
(486908.4, 3612240.8, -0.3, -0.3, 0.0); (486919.2, 3612220.2, -0.3, -0.3, 0.0);
(486930.1, 3612199.7, -0.3, -0.3, 0.0); (486941.0,

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     ( 486951.9, 3612158.7,      -0.3,      -0.3,       0.0);         ( 486962.8,
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     ( 486973.7, 3612117.7,      -0.3,      -0.3,       0.0);         ( 486984.6,
3612097.2,      -0.3,      -0.3,       0.0);
     ( 486995.5, 3612076.7,      -0.3,      -0.3,       0.0);         ( 487006.3,
3612056.2,      -0.3,      -0.3,       0.0);
     ( 487017.2, 3612035.6,      -0.3,      -0.3,       0.0);         ( 487028.1,
3612015.1,      -0.3,      -0.3,       0.0);
     ( 487039.0, 3611994.6,      -0.3,      -0.3,       0.0);         ( 487049.9,
3611974.1,      -0.3,      -0.3,       0.0);
     ( 487060.8, 3611953.6,      -0.3,      -0.3,       0.0);         ( 487071.7,
3611933.1,      -0.3,      -0.3,       0.0);
     ( 487082.5, 3611912.6,      -0.3,      -0.3,       0.0);         ( 487093.4,
3611892.1,      -0.3,      -0.3,       0.0);
     ( 487104.3, 3611871.6,      -0.3,      -0.3,       0.0);         ( 487115.2,
3611851.0,      -0.3,      -0.3,       0.0);
     ( 487148.1, 3611823.0,      -0.3,      -0.3,       0.0);         ( 487170.0,
3611815.5,      -0.3,      -0.3,       0.0);
     ( 487192.0, 3611808.0,      -0.3,      -0.3,       0.0);         ( 487214.0,
3611800.4,      -0.3,      -0.3,       0.0);
     ( 487236.0, 3611792.9,      -0.3,      -0.3,       0.0);         ( 487257.9,
3611785.4,      -0.3,      -0.3,       0.0);
     ( 487279.9, 3611777.9,      -0.3,      -0.3,       0.0);         ( 487301.8,
3611770.4,      -0.3,      -0.3,       0.0);
     ( 487323.8, 3611762.8,      -0.3,      -0.3,       0.0);         ( 487345.8,
3611755.3,      -0.3,      -0.3,       0.0);
     ( 487367.8, 3611747.8,      -0.3,      -0.3,       0.0);         ( 487389.7,
3611740.3,      -0.3,      -0.3,       0.0);
     ( 487411.7, 3611732.8,      -0.3,      -0.3,       0.0);         ( 487433.7,
3611725.2,      -0.3,      -0.3,       0.0);
     ( 487455.6, 3611717.7,      -0.3,      -0.3,       0.0);         ( 487477.6,
3611710.2,      -0.3,      -0.3,       0.0);
     ( 487499.6, 3611702.7,      -0.3,      -0.3,       0.0);         ( 487521.5,
3611695.2,      -0.3,      -0.3,       0.0);
     ( 487543.5, 3611687.6,      -0.3,      -0.3,       0.0);         ( 487565.5,
3611680.1,      -0.3,      -0.3,       0.0);
     ( 487587.5, 3611672.6,      -0.3,      -0.3,       0.0);         ( 487609.4,
3611665.1,      -0.3,      -0.3,       0.0);
     ( 487631.4, 3611657.5,      -0.3,      -0.3,       0.0);         ( 487653.4,
3611650.0,      -0.3,      -0.3,       0.0);
     ( 487675.3, 3611642.5,      -0.3,      -0.3,       0.0);         ( 487697.3,
3611635.0,      -0.3,      -0.3,       0.0);
     ( 487719.3, 3611627.5,      -0.3,      -0.3,       0.0);         ( 487741.2,
3611619.9,      -0.3,      -0.3,       0.0);
     ( 487763.2, 3611612.4,      -0.3,      -0.3,       0.0);         ( 487785.2,
3611604.9,      -0.3,      -0.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(487807.2, 3611597.4, -0.3, -0.3, 0.0); (487829.1, 3611589.9, -0.3, -0.3, 0.0);
(487851.1, 3611582.3, -0.3, -0.3, 0.0); (487873.1, 3611574.8, -0.3, -0.3, 0.0);
(487895.0, 3611567.3, -0.2, -0.2, 0.0); (487917.0, 3611559.8, -0.2, -0.2, 0.0);
(487939.0, 3611552.3, -0.2, -0.2, 0.0); (487961.0, 3611544.7, -0.2, -0.2, 0.0);
(487982.9, 3611537.2, -0.2, -0.2, 0.0); (488004.9, 3611529.7, -0.2, -0.2, 0.0);
(488026.9, 3611522.2, -0.2, -0.2, 0.0); (488048.8, 3611514.6, -0.2, -0.2, 0.0);
(488070.8, 3611507.1, -0.2, -0.2, 0.0); (488092.8, 3611499.6, -0.2, -0.2, 0.0);
(488114.7, 3611492.1, -0.1, -0.1, 0.0); (488136.7, 3611484.6, 0.0, 0.0, 0.0);
(488158.7, 3611477.0, 0.0, 0.0, 0.0); (488180.6, 3611469.5, 0.0, 0.0, 0.0);
(488202.6, 3611462.0, 0.0, 0.0, 0.0); (488224.6, 3611454.5, 0.0, 0.0, 0.0);
(488246.6, 3611447.0, 0.0, 0.0, 0.0); (488268.5, 3611439.4, 0.0, 0.0, 0.0);
(488290.5, 3611431.9, 0.0, 0.0, 0.0); (488312.5, 3611424.4, 0.0, 0.0, 0.0);
(488334.4, 3611416.9, 0.0, 0.0, 0.0); (488356.4, 3611409.4, 0.0, 0.0, 0.0);
(488378.4, 3611401.8, 0.0, 0.0, 0.0); (488400.3, 3611394.3, 0.0, 0.0, 0.0);
(488422.3, 3611386.8, 0.0, 0.0, 0.0); (488444.3, 3611379.3, 0.0, 0.0, 0.0);
(488466.3, 3611371.8, 0.0, 0.0, 0.0); (488488.2, 3611364.2, 0.0, 0.0, 0.0);
(488510.2, 3611356.7, 0.0, 0.0, 0.0); (488532.2, 3611349.2, 0.0, 0.0, 0.0);
(488554.1, 3611341.7, 0.0, 0.0, 0.0); (488576.1, 3611334.1, 0.1, 0.1, 0.0);
(488598.1, 3611326.6, 0.1, 0.1, 0.0); (488620.0, 3611319.1, 0.1, 0.1, 0.0);
(488642.0, 3611311.6, 0.1, 0.1, 0.0); (488664.0, 3611304.1, 0.1, 0.1, 0.0);
(488686.0, 3611296.5, -0.0, -0.0, 0.0); (488707.9,

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3611289.0,      -0.1,      -0.1,       0.0);
     ( 488729.9, 3611281.5,      -0.1,      -0.1,       0.0);         ( 488751.9,
3611274.0,      -0.1,      -0.1,       0.0);
     ( 488773.8, 3611266.5,      -0.2,      -0.2,       0.0);         ( 488795.8,
3611258.9,      -0.2,      -0.2,       0.0);
     ( 488817.8, 3611251.4,      -0.2,      -0.2,       0.0);         ( 488839.7,
3611243.9,      -0.2,      -0.2,       0.0);
     ( 488861.7, 3611236.4,      -0.2,      -0.2,       0.0);         ( 488883.7,
3611228.8,      -0.2,      -0.2,       0.0);
     ( 488905.6, 3611221.3,      -0.2,      -0.2,       0.0);         ( 488927.6,
3611213.8,      -0.2,      -0.2,       0.0);
     ( 488949.6, 3611206.3,      -0.1,      -0.1,       0.0);         ( 488971.6,
3611198.8,      -0.2,      -0.2,       0.0);
     ( 488993.5, 3611191.2,      -0.2,      -0.2,       0.0);         ( 489015.5,
3611183.7,      -0.2,      -0.2,       0.0);
     ( 489037.5, 3611176.2,      -0.3,      -0.3,       0.0);         ( 489059.4,
3611168.7,      -0.3,      -0.3,       0.0);
     ( 489081.4, 3611161.2,      -0.3,      -0.3,       0.0);         ( 489103.4,
3611153.6,      -0.4,      -0.4,       0.0);
     ( 489125.3, 3611146.1,      -0.3,      -0.3,       0.0);         ( 489147.3,
3611138.6,      -0.3,      -0.3,       0.0);
     ( 489169.3, 3611131.1,      -0.3,      -0.3,       0.0);         ( 489191.3,
3611123.6,      -0.3,      -0.3,       0.0);
     ( 486091.9, 3613779.1,       0.5,       0.5,       0.0);         ( 486089.3,
3613802.2,       0.5,       0.5,       0.0);
     ( 486086.7, 3613825.4,       0.5,       0.5,       0.0);         ( 486084.1,
3613848.5,       0.5,       0.5,       0.0);
     ( 486081.5, 3613871.6,       0.5,       0.5,       0.0);         ( 486078.9,
3613894.7,       0.5,       0.5,       0.0);
     ( 486076.3, 3613917.8,       0.5,       0.5,       0.0);         ( 486073.8,
3613941.0,       0.5,       0.5,       0.0);
     ( 486071.2, 3613964.1,       0.5,       0.5,       0.0);         ( 485705.2,
3613714.2,       0.5,       0.5,       0.0);
     ( 485716.0, 3613693.7,       0.5,       0.5,       0.0);         ( 485726.9,
3613673.3,       0.5,       0.5,       0.0);
     ( 485737.8, 3613652.8,       0.5,       0.5,       0.0);         ( 485748.6,
3613632.4,       0.5,       0.5,       0.0);
     ( 485759.5, 3613611.9,       0.5,       0.5,       0.0);         ( 485770.3,
3613591.5,       0.5,       0.5,       0.0);
     ( 485781.2, 3613571.0,       0.5,       0.5,       0.0);         ( 485792.0,
3613550.6,       0.5,       0.5,       0.0);
     ( 485802.9, 3613530.2,       0.5,       0.5,       0.0);         ( 485813.7,
3613509.7,       0.6,       0.6,       0.0);
     ( 485824.6, 3613489.3,       0.6,       0.6,       0.0);         ( 485835.4,
3613468.8,       0.7,       0.7,       0.0);
     ( 485846.3, 3613448.4,       0.7,       0.7,       0.0);         ( 485857.1,
3613427.9,       0.9,       0.9,       0.0);
     ( 485868.0, 3613407.5,       0.9,       0.9,       0.0);         ( 485878.8,
3613387.0,       1.5,       1.5,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (485889.7, 3613366.6,   2.2,   2.2,   0.0);   (485900.5,
3613346.1,   2.6,   2.6,   0.0);
     (485911.4, 3613325.7,   2.5,   2.5,   0.0);   (485922.3,
3613305.2,   2.8,   2.8,   0.0);
     (485933.1, 3613284.8,   3.6,   3.6,   0.0);   (485944.0,
3613264.3,   4.1,   4.1,   0.0);
     (485954.8, 3613243.9,   4.4,   4.4,   0.0);   (485965.7,
3613223.4,   4.4,   4.4,   0.0);
     (485976.5, 3613203.0,   4.4,   4.4,   0.0);   (485987.4,
3613182.5,   4.3,   4.3,   0.0);
     (485998.2, 3613162.1,   4.1,   4.1,   0.0);   (486009.1,
3613141.6,   4.2,   4.2,   0.0);
     (486019.9, 3613121.2,   4.3,   4.3,   0.0);   (486030.8,
3613100.7,   4.2,   4.2,   0.0);
     (486041.6, 3613080.3,   4.1,   4.1,   0.0);   (486052.5,
3613059.8,   4.0,   4.0,   0.0);
     (486063.3, 3613039.4,   4.2,   4.2,   0.0);   (486074.2,
3613018.9,   4.2,   4.2,   0.0);
     (486085.0, 3612998.5,   3.7,   3.7,   0.0);   (486095.9,
3612978.1,   2.3,   2.3,   0.0);
     (486106.8, 3612957.6,   1.6,   1.6,   0.0);   (486117.6,
3612937.2,   0.9,   0.9,   0.0);
     (486128.5, 3612916.7,   0.5,   0.5,   0.0);   (486139.3,
3612896.3,   0.5,   0.5,   0.0);
     (486150.2, 3612875.8,   0.5,   0.5,   0.0);   (486161.0,
3612855.4,   0.5,   0.5,   0.0);
     (486171.9, 3612834.9,   0.5,   0.5,   0.0);   (486182.7,
3612814.5,   0.5,   0.5,   0.0);
     (486193.6, 3612794.0,   0.5,   0.5,   0.0);   (486204.4,
3612773.6,   0.5,   0.5,   0.0);
     (486215.3, 3612753.1,   0.5,   0.5,   0.0);   (486226.1,
3612732.7,   0.5,   0.5,   0.0);
     (486237.0, 3612712.2,   0.5,   0.5,   0.0);   (486247.8,
3612691.8,   0.6,   0.6,   0.0);
     (486258.7, 3612671.3,   0.9,   0.9,   0.0);   (486269.6,
3612650.9,   2.1,   2.1,   0.0);
     (486280.4, 3612630.4,   3.5,   3.5,   0.0);   (486291.3,
3612610.0,   3.5,   3.5,   0.0);
     (486302.1, 3612589.5,   3.7,   3.7,   0.0);   (486313.0,

3612569.1,	3.8,	3.8,	0.0);
    (486323.8, 3612548.6,	3.8,	3.8,	0.0);	(486334.7,
3612528.2,	3.7,	3.7,	0.0);
    (486345.5, 3612507.8,	3.5,	3.5,	0.0);	(486356.4,
3612487.3,	3.5,	3.5,	0.0);
    (486367.2, 3612466.8,	3.5,	3.5,	0.0);	(486378.1,
3612446.4,	3.6,	3.6,	0.0);
    (486388.9, 3612426.0,	3.6,	3.6,	0.0);	(486399.8,
3612405.5,	3.6,	3.6,	0.0);
    (486410.6, 3612385.1,	3.6,	3.6,	0.0);	(486421.5,
3612364.6,	3.2,	3.2,	0.0);
    (486432.3, 3612344.2,	2.8,	2.8,	0.0);	(486443.2,
3612323.7,	3.6,	3.6,	0.0);
    (486454.1, 3612303.3,	3.5,	3.5,	0.0);	(486464.9,
3612282.8,	3.5,	3.5,	0.0);
    (486475.8, 3612262.4,	3.4,	3.4,	0.0);	(486486.6,
3612241.9,	3.4,	3.4,	0.0);
    (486497.5, 3612221.5,	3.4,	3.4,	0.0);	(486508.3,
3612201.0,	3.5,	3.5,	0.0);
    (486519.2, 3612180.6,	3.5,	3.5,	0.0);	(486530.0,
3612160.1,	3.5,	3.5,	0.0);
    (486540.9, 3612139.7,	3.5,	3.5,	0.0);	(486551.7,
3612119.2,	3.5,	3.5,	0.0);
    (486562.6, 3612098.8,	3.3,	3.3,	0.0);	(486573.4,
3612078.3,	3.1,	3.1,	0.0);
    (486584.3, 3612057.9,	3.1,	3.1,	0.0);	(486595.1,
3612037.4,	3.0,	3.0,	0.0);
    (486606.0, 3612017.0,	3.1,	3.1,	0.0);	(486616.8,
3611996.5,	3.0,	3.0,	0.0);
    (486627.7, 3611976.1,	2.8,	2.8,	0.0);	(486638.6,
3611955.6,	2.6,	2.6,	0.0);
    (486649.4, 3611935.2,	2.5,	2.5,	0.0);	(486660.3,
3611914.8,	2.6,	2.6,	0.0);
    (486671.1, 3611894.3,	2.7,	2.7,	0.0);	(486682.0,
3611873.9,	2.7,	2.7,	0.0);
    (486692.8, 3611853.4,	2.8,	2.8,	0.0);	(486703.7,
3611833.0,	2.8,	2.8,	0.0);
    (486714.5, 3611812.5,	3.0,	3.0,	0.0);	(486725.4,
3611792.1,	3.1,	3.1,	0.0);
    (486736.2, 3611771.6,	2.9,	2.9,	0.0);	(486747.1,
3611751.2,	2.9,	2.9,	0.0);
    (486758.0, 3611730.7,	2.8,	2.8,	0.0);	(486768.8,
3611710.3,	2.7,	2.7,	0.0);
    (486779.6, 3611689.8,	2.1,	2.1,	0.0);	(486790.5,
3611669.4,	1.5,	1.5,	0.0);
    (486801.4, 3611648.9,	1.2,	1.2,	0.0);	(486812.2,
3611628.5,	1.2,	1.2,	0.0);
    (486823.1, 3611608.0,	0.9,	0.9,	0.0);	(486833.9,
3611587.6,	0.6,	0.6,	0.0);
    (486844.8, 3611567.1,	0.8,	0.8,	0.0);	(486855.6,

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

     (486888.4, 3611518.7,   -0.2,   -0.2,   0.0);   (486910.3,
3611511.2,   -0.3,   -0.3,   0.0);
     (486932.2, 3611503.7,   -0.3,   -0.3,   0.0);   (486954.1,
3611496.2,   -0.3,   -0.3,   0.0);
     (486976.0, 3611488.8,   -0.3,   -0.3,   0.0);   (486997.9,
3611481.2,   -0.3,   -0.3,   0.0);
     (487019.8, 3611473.8,   -0.3,   -0.3,   0.0);   (487041.7,
3611466.3,   -0.3,   -0.3,   0.0);
     (487063.6, 3611458.8,   -0.3,   -0.3,   0.0);   (487085.5,
3611451.3,   -0.3,   -0.3,   0.0);
     (487107.4, 3611443.8,   -0.3,   -0.3,   0.0);   (487129.3,
3611436.3,   -0.3,   -0.3,   0.0);
     (487151.2, 3611428.8,   -0.3,   -0.3,   0.0);   (487173.1,
3611421.3,   -0.3,   -0.3,   0.0);
     (487195.0, 3611413.8,   -0.3,   -0.3,   0.0);   (487216.9,
3611406.3,   -0.3,   -0.3,   0.0);
     (487238.8, 3611398.8,   -0.3,   -0.3,   0.0);   (487260.7,
3611391.3,   -0.3,   -0.3,   0.0);
     (487282.6, 3611383.8,   -0.3,   -0.3,   0.0);   (487304.5,
3611376.3,   -0.3,   -0.3,   0.0);
     (487326.4, 3611368.8,   -0.3,   -0.3,   0.0);   (487348.3,
3611361.3,   -0.3,   -0.3,   0.0);
     (487370.2, 3611353.8,   -0.3,   -0.3,   0.0);   (487392.1,
3611346.3,   -0.3,   -0.3,   0.0);
     (487414.0, 3611338.8,   -0.3,   -0.3,   0.0);   (487435.9,
3611331.3,   -0.3,   -0.3,   0.0);
     (487457.8, 3611323.8,   -0.3,   -0.3,   0.0);   (487479.7,
3611316.3,   -0.3,   -0.3,   0.0);
     (487501.6, 3611308.8,   -0.3,   -0.3,   0.0);   (487523.5,
3611301.3,   -0.3,   -0.3,   0.0);
     (487545.4, 3611293.8,   -0.3,   -0.3,   0.0);   (487567.3,
3611286.3,   -0.3,   -0.3,   0.0);
     (487589.2, 3611278.8,   -0.3,   -0.3,   0.0);   (487611.1,
3611271.3,   -0.3,   -0.3,   0.0);
     (487633.0, 3611263.8,   -0.3,   -0.3,   0.0);   (487655.0,
3611256.3,   -0.3,   -0.3,   0.0);
     (487676.8, 3611248.8,   -0.3,   -0.3,   0.0);   (487698.8,

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3611241.3,      -0.3,      -0.3,       0.0);
     ( 487720.6, 3611233.8,      -0.3,      -0.3,       0.0);         ( 487742.6,
3611226.3,      -0.3,      -0.3,       0.0);
     ( 487764.5, 3611218.8,      -0.3,      -0.3,       0.0);         ( 487786.4,
3611211.3,      -0.3,      -0.3,       0.0);
     ( 487808.3, 3611203.8,      -0.3,      -0.3,       0.0);         ( 487830.2,
3611196.3,      -0.3,      -0.3,       0.0);
     ( 487852.1, 3611188.8,      -0.3,      -0.3,       0.0);         ( 487874.0,
3611181.3,      -0.3,      -0.3,       0.0);
     ( 487895.9, 3611173.8,      -0.2,      -0.2,       0.0);         ( 487917.8,
3611166.3,      -0.2,      -0.2,       0.0);
     ( 487939.7, 3611158.8,      -0.2,      -0.2,       0.0);         ( 487961.6,
3611151.3,      -0.2,      -0.2,       0.0);
     ( 487983.5, 3611143.8,      -0.2,      -0.2,       0.0);         ( 488005.4,
3611136.3,      -0.2,      -0.2,       0.0);
     ( 488027.3, 3611128.8,      -0.2,      -0.2,       0.0);         ( 488049.2,
3611121.4,      -0.2,      -0.2,       0.0);
     ( 488071.1, 3611113.9,      -0.2,      -0.2,       0.0);         ( 488093.0,
3611106.4,      -0.2,      -0.2,       0.0);
     ( 488114.9, 3611098.9,      -0.2,      -0.2,       0.0);         ( 488136.8,
3611091.4,      -0.2,      -0.2,       0.0);
     ( 488158.7, 3611083.9,      -0.2,      -0.2,       0.0);         ( 488180.6,
3611076.4,      -0.2,      -0.2,       0.0);
     ( 488202.5, 3611068.9,      -0.2,      -0.2,       0.0);         ( 488224.4,
3611061.4,      -0.1,      -0.1,       0.0);
     ( 488246.3, 3611053.9,       0.0,       0.0,       0.0);         ( 488268.2,
3611046.4,       0.0,       0.0,       0.0);
     ( 488290.1, 3611038.9,       0.0,       0.0,       0.0);         ( 488312.0,
3611031.4,       0.0,       0.0,       0.0);
     ( 488333.9, 3611023.9,       0.0,       0.0,       0.0);         ( 488355.8,
3611016.4,       0.0,       0.0,       0.0);
     ( 488377.7, 3611008.9,       0.0,       0.0,       0.0);         ( 488399.6,
3611001.4,       0.0,       0.0,       0.0);
     ( 488421.5, 3610993.9,       0.0,       0.0,       0.0);         ( 488443.4,
3610986.4,       0.0,       0.0,       0.0);
     ( 488465.3, 3610978.9,       0.0,       0.0,       0.0);         ( 488487.2,
3610971.4,       0.0,       0.0,       0.0);
     ( 488509.1, 3610963.9,       0.0,       0.0,       0.0);         ( 488531.0,
3610956.4,       0.0,       0.0,       0.0);
     ( 488552.9, 3610948.9,       0.0,       0.0,       0.0);         ( 488574.8,
3610941.4,       0.0,       0.0,       0.0);
     ( 488596.7, 3610933.9,       0.0,       0.0,       0.0);         ( 488618.6,
3610926.4,       0.0,       0.0,       0.0);
     ( 488640.5, 3610918.9,       0.0,       0.0,       0.0);         ( 488662.4,
3610911.4,       0.1,       0.1,       0.0);
     ( 488684.3, 3610903.9,       0.1,       0.1,       0.0);         ( 488706.2,
3610896.4,       0.1,       0.1,       0.0);
     ( 488728.1, 3610888.9,       0.1,       0.1,       0.0);         ( 488750.0,
3610881.4,       0.1,       0.1,       0.0);
     ( 488772.0, 3610873.9,       0.1,       0.1,       0.0);         ( 488793.8,
```

3610866.4,   0.1,   0.1,   0.0);
     (488815.8, 3610858.9,   0.1,   0.1,   0.0);   (488837.7,
3610851.4,   0.1,   0.1,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (488859.6, 3610843.9,   0.1,   0.1,   0.0);   (488881.5,
3610836.4,   0.1,   0.1,   0.0);
     (488903.4, 3610828.9,   0.1,   0.1,   0.0);   (488925.3,
3610821.4,   0.1,   0.1,   0.0);
     (488947.2, 3610813.9,   0.1,   0.1,   0.0);   (488969.1,
3610806.4,   0.1,   0.1,   0.0);
     (488991.0, 3610798.9,   0.1,   0.1,   0.0);   (489012.9,
3610791.4,   0.0,   0.0,   0.0);
     (489034.8, 3610783.9,   -0.1,   -0.1,   0.0);   (489056.7,
3610776.5,   -0.1,   -0.1,   0.0);
     (489078.6, 3610769.0,   -0.2,   -0.2,   0.0);   (489100.5,
3610761.5,   -0.3,   -0.3,   0.0);
     (489122.4, 3610754.0,   -0.3,   -0.3,   0.0);   (489144.3,
3610746.5,   -0.4,   -0.4,   0.0);
     (489166.2, 3610739.0,   -0.4,   -0.4,   0.0);   (489188.1,
3610731.5,   -0.4,   -0.4,   0.0);
     (489210.0, 3610724.0,   -0.4,   -0.4,   0.0);   (485694.3,
3613734.6,   0.5,   0.5,   0.0);
     (485691.8, 3613757.8,   0.5,   0.5,   0.0);   (485689.2,
3613780.9,   0.5,   0.5,   0.0);
     (485686.6, 3613804.0,   0.5,   0.5,   0.0);   (485684.0,
3613827.1,   0.5,   0.5,   0.0);
     (485681.4, 3613850.2,   0.5,   0.5,   0.0);   (485678.8,
3613873.4,   0.5,   0.5,   0.0);
     (485676.2, 3613896.5,   0.5,   0.5,   0.0);   (485673.6,
3613919.6,   0.5,   0.5,   0.0);
     (485307.6, 3613669.8,   3.1,   3.1,   0.0);   (485318.5,
3613649.3,   3.5,   3.5,   0.0);
     (485329.3, 3613628.9,   3.5,   3.5,   0.0);   (485340.1,
3613608.6,   3.8,   3.8,   0.0);
     (485351.0, 3613588.2,   3.7,   3.7,   0.0);   (485361.8,
3613567.8,   3.7,   3.7,   0.0);
     (485372.6, 3613547.4,   4.2,   4.2,   0.0);   (485383.4,
3613527.0,   4.3,   4.3,   0.0);
     (485394.3, 3613506.6,   4.1,   4.1,   0.0);   (485405.1,

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3613486.2,       3.5,       3.5,       0.0);
     ( 485415.9, 3613465.8,       3.6,       3.6,       0.0);         ( 485426.7,
3613445.4,       3.7,       3.7,       0.0);
     ( 485437.6, 3613425.0,       3.6,       3.6,       0.0);         ( 485448.4,
3613404.6,       3.4,       3.4,       0.0);
     ( 485459.2, 3613384.2,       3.2,       3.2,       0.0);         ( 485470.0,
3613363.8,       3.6,       3.6,       0.0);
     ( 485480.9, 3613343.4,       3.7,       3.7,       0.0);         ( 485491.7,
3613323.0,       3.4,       3.4,       0.0);
     ( 485502.5, 3613302.6,       3.3,       3.3,       0.0);         ( 485513.4,
3613282.2,       3.4,       3.4,       0.0);
     ( 485524.2, 3613261.8,       3.1,       3.1,       0.0);         ( 485535.0,
3613241.4,       3.0,       3.0,       0.0);
     ( 485545.8, 3613221.0,       3.8,       3.8,       0.0);         ( 485556.7,
3613200.6,       3.0,       3.0,       0.0);
     ( 485567.5, 3613180.2,       2.8,       2.8,       0.0);         ( 485578.3,
3613159.8,       2.7,       2.7,       0.0);
     ( 485589.1, 3613139.4,       2.6,       2.6,       0.0);         ( 485600.0,
3613119.0,       3.3,       3.3,       0.0);
     ( 485610.8, 3613098.6,       3.5,       3.5,       0.0);         ( 485621.6,
3613078.2,       3.4,       3.4,       0.0);
     ( 485632.5, 3613057.8,       3.3,       3.3,       0.0);         ( 485643.3,
3613037.4,       3.7,       3.7,       0.0);
     ( 485654.1, 3613017.0,       3.8,       3.8,       0.0);         ( 485664.9,
3612996.6,       3.6,       3.6,       0.0);
     ( 485675.8, 3612976.2,       3.3,       3.3,       0.0);         ( 485686.6,
3612955.8,       3.6,       3.6,       0.0);
     ( 485697.4, 3612935.4,       4.0,       4.0,       0.0);         ( 485708.2,
3612915.0,       3.9,       3.9,       0.0);
     ( 485719.1, 3612894.6,       3.9,       3.9,       0.0);         ( 485729.9,
3612874.2,       3.9,       3.9,       0.0);
     ( 485740.7, 3612853.8,       3.7,       3.7,       0.0);         ( 485751.5,
3612833.4,       3.8,       3.8,       0.0);
     ( 485762.4, 3612813.0,       4.2,       4.2,       0.0);         ( 485773.2,
3612792.6,       4.2,       4.2,       0.0);
     ( 485784.0, 3612772.2,       4.2,       4.2,       0.0);         ( 485794.8,
3612751.8,       4.0,       4.0,       0.0);
     ( 485805.7, 3612731.4,       3.5,       3.5,       0.0);         ( 485816.5,
3612711.0,       3.6,       3.6,       0.0);
     ( 485827.3, 3612690.6,       3.6,       3.6,       0.0);         ( 485838.2,
3612670.2,       3.8,       3.8,       0.0);
     ( 485849.0, 3612649.8,       3.8,       3.8,       0.0);         ( 485859.8,
3612629.4,       4.0,       4.0,       0.0);
     ( 485870.6, 3612609.0,       4.2,       4.2,       0.0);         ( 485881.5,
3612588.6,       4.3,       4.3,       0.0);
     ( 485892.3, 3612568.2,       4.7,       4.7,       0.0);         ( 485903.1,
3612547.8,       4.5,       4.5,       0.0);
     ( 485914.0, 3612527.4,       4.7,       4.7,       0.0);         ( 485924.8,
3612507.0,       4.9,       4.9,       0.0);
     ( 485935.6, 3612486.6,       4.7,       4.7,       0.0);         ( 485946.4,
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3612466.2,   5.0,   5.0,   0.0);
     (485957.2, 3612445.8,   4.9,   4.9,   0.0);   (485968.1,
3612425.4,   5.0,   5.0,   0.0);
     (485978.9, 3612405.0,   4.6,   4.6,   0.0);   (485989.7,
3612384.6,   4.5,   4.5,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (486000.6, 3612364.2,   4.3,   4.3,   0.0);   (486011.4,
3612343.8,   4.1,   4.1,   0.0);
     (486022.2, 3612323.5,   4.2,   4.2,   0.0);   (486033.0,
3612303.1,   3.8,   3.8,   0.0);
     (486043.9, 3612282.7,   4.2,   4.2,   0.0);   (486054.7,
3612262.3,   4.5,   4.5,   0.0);
     (486065.5, 3612241.9,   4.2,   4.2,   0.0);   (486076.3,
3612221.5,   4.1,   4.1,   0.0);
     (486087.2, 3612201.1,   4.0,   4.0,   0.0);   (486098.0,
3612180.7,   3.7,   3.7,   0.0);
     (486108.8, 3612160.3,   4.0,   4.0,   0.0);   (486119.6,
3612139.9,   3.9,   3.9,   0.0);
     (486130.5, 3612119.5,   3.7,   3.7,   0.0);   (486141.3,
3612099.1,   4.0,   4.0,   0.0);
     (486152.1, 3612078.7,   3.8,   3.8,   0.0);   (486163.0,
3612058.3,   3.9,   3.9,   0.0);
     (486173.8, 3612037.9,   4.3,   4.3,   0.0);   (486184.6,
3612017.5,   4.4,   4.4,   0.0);
     (486195.4, 3611997.1,   4.6,   4.6,   0.0);   (486206.3,
3611976.7,   4.6,   4.6,   0.0);
     (486217.1, 3611956.3,   4.4,   4.4,   0.0);   (486227.9,
3611935.9,   4.9,   4.9,   0.0);
     (486238.8, 3611915.5,   4.8,   4.8,   0.0);   (486249.6,
3611895.1,   4.5,   4.5,   0.0);
     (486260.4, 3611874.7,   4.5,   4.5,   0.0);   (486271.2,
3611854.3,   4.2,   4.2,   0.0);
     (486282.0, 3611833.9,   4.0,   4.0,   0.0);   (486292.9,
3611813.5,   4.4,   4.4,   0.0);
     (486303.7, 3611793.1,   4.0,   4.0,   0.0);   (486314.5,
3611772.7,   3.5,   3.5,   0.0);
     (486325.4, 3611752.3,   3.6,   3.6,   0.0);   (486336.2,
3611731.9,   3.6,   3.6,   0.0);
     (486347.0, 3611711.5,   3.3,   3.3,   0.0);   (486357.8,

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3611691.1,       3.5,       3.5,       0.0);
     ( 486368.7, 3611670.7,       3.4,       3.4,       0.0);         ( 486379.5,
3611650.3,       3.2,       3.2,       0.0);
     ( 486390.3, 3611629.9,       3.3,       3.3,       0.0);         ( 486401.1,
3611609.5,       3.2,       3.2,       0.0);
     ( 486412.0, 3611589.1,       3.0,       3.0,       0.0);         ( 486422.8,
3611568.7,       3.2,       3.2,       0.0);
     ( 486433.6, 3611548.3,       3.1,       3.1,       0.0);         ( 486444.5,
3611527.9,       2.9,       2.9,       0.0);
     ( 486455.3, 3611507.5,       3.1,       3.1,       0.0);         ( 486466.1,
3611487.1,       3.3,       3.3,       0.0);
     ( 486476.9, 3611466.7,       3.1,       3.1,       0.0);         ( 486487.8,
3611446.3,       3.0,       3.0,       0.0);
     ( 486498.6, 3611425.9,       2.9,       2.9,       0.0);         ( 486509.4,
3611405.5,       2.5,       2.5,       0.0);
     ( 486520.2, 3611385.1,       2.7,       2.7,       0.0);         ( 486531.1,
3611364.7,       2.9,       2.9,       0.0);
     ( 486541.9, 3611344.3,       2.2,       2.2,       0.0);         ( 486552.7,
3611323.9,       2.5,       2.5,       0.0);
     ( 486563.5, 3611303.5,       2.5,       2.5,       0.0);         ( 486574.4,
3611283.1,       2.6,       2.6,       0.0);
     ( 486585.2, 3611262.7,       2.6,       2.6,       0.0);         ( 486596.0,
3611242.3,       2.6,       2.6,       0.0);
     ( 486628.7, 3611214.5,       2.3,       2.3,       0.0);         ( 486650.5,
3611207.0,       2.6,       2.6,       0.0);
     ( 486672.4, 3611199.5,       2.8,       2.8,       0.0);         ( 486694.2,
3611192.0,       3.8,       3.8,       0.0);
     ( 486716.1, 3611184.5,       4.3,       4.3,       0.0);         ( 486738.0,
3611177.1,       4.1,       4.1,       0.0);
     ( 486759.8, 3611169.6,       4.0,       4.0,       0.0);         ( 486781.6,
3611162.1,       3.8,       3.8,       0.0);
     ( 486803.5, 3611154.6,       3.4,       3.4,       0.0);         ( 486825.3,
3611147.1,       2.8,       2.8,       0.0);
     ( 486847.2, 3611139.7,       1.9,       1.9,       0.0);         ( 486869.0,
3611132.2,       0.8,       0.8,       0.0);
     ( 486890.9, 3611124.7,      -0.0,      -0.0,       0.0);         ( 486912.7,
3611117.2,      -0.3,      -0.3,       0.0);
     ( 486934.6, 3611109.8,      -0.3,      -0.3,       0.0);         ( 486956.4,
3611102.3,      -0.2,      -0.2,       0.0);
     ( 486978.3, 3611094.8,      -0.3,      -0.3,       0.0);         ( 487000.1,
3611087.3,      -0.3,      -0.3,       0.0);
     ( 487022.0, 3611079.8,      -0.3,      -0.3,       0.0);         ( 487043.8,
3611072.3,      -0.3,      -0.3,       0.0);
     ( 487065.7, 3611064.9,      -0.3,      -0.3,       0.0);         ( 487087.5,
3611057.4,      -0.3,      -0.3,       0.0);
     ( 487109.4, 3611049.9,      -0.3,      -0.3,       0.0);         ( 487131.2,
3611042.4,      -0.3,      -0.3,       0.0);
     ( 487153.1, 3611034.9,      -0.3,      -0.3,       0.0);         ( 487174.9,
3611027.5,      -0.3,      -0.3,       0.0);
     ( 487196.8, 3611020.0,      -0.3,      -0.3,       0.0);         ( 487218.6,
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3611012.5,   -0.3,   -0.3,   0.0);
     (487240.5, 3611005.0,   -0.3,   -0.3,   0.0);   (487262.3,
3610997.5,   -0.3,   -0.3,   0.0);
     (487284.2, 3610990.1,   -0.3,   -0.3,   0.0);   (487306.0,
3610982.6,   -0.3,   -0.3,   0.0);
     (487327.9, 3610975.1,   -0.3,   -0.3,   0.0);   (487349.7,
3610967.6,   -0.3,   -0.3,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (487371.6, 3610960.1,   -0.3,   -0.3,   0.0);   (487393.4,
3610952.7,   -0.3,   -0.3,   0.0);
     (487415.3, 3610945.2,   -0.3,   -0.3,   0.0);   (487437.1,
3610937.7,   -0.3,   -0.3,   0.0);
     (487459.0, 3610930.2,   -0.3,   -0.3,   0.0);   (487480.8,
3610922.8,   -0.3,   -0.3,   0.0);
     (487502.7, 3610915.3,   -0.3,   -0.3,   0.0);   (487524.5,
3610907.8,   -0.3,   -0.3,   0.0);
     (487546.3, 3610900.3,   -0.3,   -0.3,   0.0);   (487568.2,
3610892.8,   -0.3,   -0.3,   0.0);
     (487590.0, 3610885.4,   -0.3,   -0.3,   0.0);   (487611.9,
3610877.9,   -0.3,   -0.3,   0.0);
     (487633.8, 3610870.4,   -0.3,   -0.3,   0.0);   (487655.6,
3610862.9,   -0.3,   -0.3,   0.0);
     (487677.5, 3610855.4,   -0.3,   -0.3,   0.0);   (487699.3,
3610848.0,   -0.3,   -0.3,   0.0);
     (487721.1, 3610840.5,   -0.3,   -0.3,   0.0);   (487743.0,
3610833.0,   -0.3,   -0.3,   0.0);
     (487764.8, 3610825.5,   -0.3,   -0.3,   0.0);   (487786.7,
3610818.0,   -0.3,   -0.3,   0.0);
     (487808.5, 3610810.6,   -0.3,   -0.3,   0.0);   (487830.4,
3610803.1,   -0.3,   -0.3,   0.0);
     (487852.2, 3610795.6,   -0.3,   -0.3,   0.0);   (487874.1,
3610788.1,   -0.3,   -0.3,   0.0);
     (487895.9, 3610780.6,   -0.3,   -0.3,   0.0);   (487917.8,
3610773.2,   -0.2,   -0.2,   0.0);
     (487939.6, 3610765.7,   -0.2,   -0.2,   0.0);   (487961.5,
3610758.2,   -0.2,   -0.2,   0.0);
     (487983.3, 3610750.7,   -0.2,   -0.2,   0.0);   (488005.2,
3610743.2,   -0.2,   -0.2,   0.0);
     (488027.0, 3610735.8,   -0.2,   -0.2,   0.0);   (488048.9,

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3610728.3,      -0.2,      -0.2,       0.0);
     ( 488070.7, 3610720.8,      -0.2,      -0.2,       0.0);         ( 488092.6,
3610713.3,      -0.2,      -0.2,       0.0);
     ( 488114.4, 3610705.8,      -0.2,      -0.2,       0.0);         ( 488136.3,
3610698.4,      -0.2,      -0.2,       0.0);
     ( 488158.1, 3610690.9,      -0.2,      -0.2,       0.0);         ( 488180.0,
3610683.4,      -0.2,      -0.2,       0.0);
     ( 488201.8, 3610675.9,      -0.2,      -0.2,       0.0);         ( 488223.7,
3610668.4,      -0.2,      -0.2,       0.0);
     ( 488245.5, 3610661.0,      -0.2,      -0.2,       0.0);         ( 488267.4,
3610653.5,      -0.2,      -0.2,       0.0);
     ( 488289.2, 3610646.0,      -0.2,      -0.2,       0.0);         ( 488311.1,
3610638.5,      -0.2,      -0.2,       0.0);
     ( 488332.9, 3610631.0,      -0.2,      -0.2,       0.0);         ( 488354.8,
3610623.6,      -0.1,      -0.1,       0.0);
     ( 488376.6, 3610616.1,       0.0,       0.0,       0.0);         ( 488398.5,
3610608.6,       0.0,       0.0,       0.0);
     ( 488420.3, 3610601.1,       0.0,       0.0,       0.0);         ( 488442.1,
3610593.6,       0.0,       0.0,       0.0);
     ( 488464.0, 3610586.2,       0.0,       0.0,       0.0);         ( 488485.8,
3610578.7,       0.0,       0.0,       0.0);
     ( 488507.7, 3610571.2,       0.0,       0.0,       0.0);         ( 488529.5,
3610563.7,       0.0,       0.0,       0.0);
     ( 488551.4, 3610556.3,       0.0,       0.0,       0.0);         ( 488573.2,
3610548.8,       0.0,       0.0,       0.0);
     ( 488595.1, 3610541.3,       0.0,       0.0,       0.0);         ( 488616.9,
3610533.8,       0.0,       0.0,       0.0);
     ( 488638.8, 3610526.3,       0.0,       0.0,       0.0);         ( 488660.6,
3610518.9,       0.0,       0.0,       0.0);
     ( 488682.5, 3610511.4,       0.0,       0.0,       0.0);         ( 488704.3,
3610503.9,       0.0,       0.0,       0.0);
     ( 488726.2, 3610496.4,       0.0,       0.0,       0.0);         ( 488748.0,
3610488.9,       0.1,       0.1,       0.0);
     ( 488769.9, 3610481.5,       0.1,       0.1,       0.0);         ( 488791.7,
3610474.0,       0.1,       0.1,       0.0);
     ( 488813.6, 3610466.5,       0.1,       0.1,       0.0);         ( 488835.4,
3610459.0,       0.1,       0.1,       0.0);
     ( 488857.3, 3610451.5,       0.1,       0.1,       0.0);         ( 488879.1,
3610444.1,       0.1,       0.1,       0.0);
     ( 488901.0, 3610436.6,       0.1,       0.1,       0.0);         ( 488922.8,
3610429.1,       0.1,       0.1,       0.0);
     ( 488944.7, 3610421.6,       0.1,       0.1,       0.0);         ( 488966.5,
3610414.1,       0.1,       0.1,       0.0);
     ( 488988.4, 3610406.7,       0.1,       0.1,       0.0);         ( 489010.2,
3610399.2,       0.1,       0.1,       0.0);
     ( 489032.1, 3610391.7,       0.1,       0.1,       0.0);         ( 489053.9,
3610384.2,       0.1,       0.1,       0.0);
     ( 489075.8, 3610376.8,       0.1,       0.1,       0.0);         ( 489097.6,
3610369.3,       0.1,       0.1,       0.0);
     ( 489119.5, 3610361.8,       0.1,       0.1,       0.0);         ( 489141.3,
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3610354.3, 0.1, 0.1, 0.0);
     (489163.2, 3610346.8, 0.1, 0.1, 0.0); (489185.0,
3610339.3, 0.1, 0.1, 0.0);
     (489206.9, 3610331.9, 0.1, 0.1, 0.0); (489228.7,
3610324.4, 0.1, 0.1, 0.0);
     (485296.8, 3613690.1, 3.3, 3.3, 0.0); (485294.2,
3613713.3, 3.3, 3.3, 0.0);
     (485291.6, 3613736.4, 3.2, 3.2, 0.0); (485289.1,
3613759.5, 3.2, 3.2, 0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                        (METERS)

     (485286.5, 3613782.6, 3.1, 3.1, 0.0); (485283.9,
3613805.8, 3.1, 3.1, 0.0);
     (485281.3, 3613828.9, 3.1, 3.1, 0.0); (485278.7,
3613852.0, 3.2, 3.2, 0.0);
     (485276.1, 3613875.1, 3.3, 3.3, 0.0); (489049.9,
3614322.6, 4.2, 4.2, 0.0);
     (489073.9, 3614325.2, 3.9, 3.9, 0.0); (489098.0,
3614327.8, 4.0, 4.0, 0.0);
     (489122.0, 3614330.4, 4.0, 4.0, 0.0); (489030.4,
3614338.2, 4.1, 4.1, 0.0);
     (489071.2, 3614350.0, 4.0, 4.0, 0.0); (489095.3,
3614352.6, 4.0, 4.0, 0.0);
     (489119.3, 3614355.2, 4.0, 4.0, 0.0); (489027.7,
3614363.1, 4.1, 4.1, 0.0);
     (488988.7, 3614326.2, 3.7, 3.7, 0.0); (489068.6,
3614374.9, 4.5, 4.5, 0.0);
     (489092.6, 3614377.5, 4.5, 4.5, 0.0); (489116.6,
3614380.1, 4.4, 4.4, 0.0);
     (489140.7, 3614382.7, 4.4, 4.4, 0.0); (489025.0,
3614387.9, 4.3, 4.3, 0.0);
     (488991.4, 3614369.5, 4.0, 4.0, 0.0); (488969.2,
3614341.9, 3.6, 3.6, 0.0);
     (489065.9, 3614399.8, 4.8, 4.8, 0.0); (489089.9,
3614402.3, 4.9, 4.9, 0.0);
     (489114.0, 3614404.9, 4.8, 4.8, 0.0); (489016.3,
3614435.8, 4.4, 4.4, 0.0);
     (488996.1, 3614424.8, 4.3, 4.3, 0.0); (488975.9,
3614413.7, 3.9, 3.9, 0.0);
     (488955.7, 3614402.6, 3.6, 3.6, 0.0); (488929.1,

```
3614369.5,       3.7,       3.7,       0.0);
     ( 488922.7, 3614347.4,       3.8,       3.8,       0.0);         ( 488916.3,
3614325.3,       4.0,       4.0,       0.0);
     ( 488909.9, 3614303.2,       3.6,       3.6,       0.0);         ( 489036.5,
3614446.9,       4.7,       4.7,       0.0);
     ( 489060.5, 3614449.5,       4.9,       4.9,       0.0);         ( 489084.6,
3614452.0,       5.0,       5.0,       0.0);
     ( 489108.6, 3614454.6,       5.0,       5.0,       0.0);         ( 489011.9,
3614486.1,       4.3,       4.3,       0.0);
     ( 488973.5, 3614465.0,       3.9,       3.9,       0.0);         ( 488935.0,
3614443.9,       3.6,       3.6,       0.0);
     ( 488890.4, 3614401.8,       3.9,       3.9,       0.0);         ( 488878.2,
3614359.7,       3.8,       3.8,       0.0);
     ( 488866.0, 3614317.6,       3.8,       3.8,       0.0);         ( 489055.2,
3614499.2,       4.4,       4.4,       0.0);
     ( 489079.2, 3614501.8,       4.4,       4.4,       0.0);         ( 489103.3,
3614504.3,       4.3,       4.3,       0.0);
     ( 489127.3, 3614506.9,       4.3,       4.3,       0.0);         ( 489004.8,
3614534.8,       4.0,       4.0,       0.0);
     ( 488983.7, 3614523.3,       3.9,       3.9,       0.0);         ( 488962.7,
3614511.8,       3.9,       3.9,       0.0);
     ( 488941.7, 3614500.2,       3.9,       3.9,       0.0);         ( 488920.6,
3614488.7,       3.8,       3.8,       0.0);
     ( 488899.6, 3614477.2,       3.8,       3.8,       0.0);         ( 488878.6,
3614465.7,       3.9,       3.9,       0.0);
     ( 488850.9, 3614431.1,       3.7,       3.7,       0.0);         ( 488844.2,
3614408.1,       3.5,       3.5,       0.0);
     ( 488837.5, 3614385.1,       3.4,       3.4,       0.0);         ( 488830.8,
3614362.0,       2.6,       2.6,       0.0);
     ( 488824.1, 3614339.0,       1.6,       1.6,       0.0);         ( 488817.5,
3614316.0,       0.7,       3.5,       0.0);
     ( 488810.8, 3614293.0,       0.1,       3.5,       0.0);         ( 489025.8,
3614546.3,       4.1,       4.1,       0.0);
     ( 489049.8, 3614548.9,       4.1,       4.1,       0.0);         ( 489073.9,
3614551.5,       4.1,       4.1,       0.0);
     ( 489097.9, 3614554.1,       4.1,       4.1,       0.0);         ( 489121.9,
3614556.6,       4.1,       4.1,       0.0);
     ( 489000.2, 3614585.0,       4.0,       4.0,       0.0);         ( 488980.1,
3614573.9,       3.9,       3.9,       0.0);
     ( 488959.9, 3614562.8,       3.9,       3.9,       0.0);         ( 488939.7,
3614551.8,       3.8,       3.8,       0.0);
     ( 488919.5, 3614540.7,       3.8,       3.8,       0.0);         ( 488899.3,
3614529.7,       3.9,       3.9,       0.0);
     ( 488879.1, 3614518.6,       3.9,       3.9,       0.0);         ( 488858.9,
3614507.6,       4.0,       4.0,       0.0);
     ( 488838.7, 3614496.5,       3.9,       3.9,       0.0);         ( 488812.1,
3614463.3,       3.3,       3.3,       0.0);
     ( 488805.7, 3614441.2,       2.5,       2.5,       0.0);         ( 488799.3,
3614419.1,       1.7,       3.4,       0.0);
     ( 488792.9, 3614397.0,       0.7,       0.7,       0.0);         ( 488786.5,
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3614374.9,   0.1,   0.1,   0.0);
     (488780.1, 3614352.8,   0.1,   0.1,   0.0);   (488773.6,
3614330.7,   0.1,   0.1,   0.0);
     (488767.2, 3614308.6,   0.1,   0.1,   0.0);   (488760.8,
3614286.5,   0.1,   0.1,   0.0);
     (489020.4, 3614596.0,   4.0,   4.0,   0.0);   (489044.5,
3614598.6,   4.1,   4.1,   0.0);
     (489068.5, 3614601.2,   4.2,   4.2,   0.0);   (489092.5,
3614603.8,   4.2,   4.2,   0.0);
     (489116.6, 3614606.4,   4.2,   4.2,   0.0);   (488989.0,
3614684.1,   4.3,   4.3,   0.0);

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (488968.3, 3614672.8,   4.3,   4.3,   0.0);   (488947.6,
3614661.4,   4.2,   4.2,   0.0);
     (488926.9, 3614650.1,   4.1,   4.1,   0.0);   (488906.2,
3614638.8,   3.9,   3.9,   0.0);
     (488885.5, 3614627.4,   3.8,   3.8,   0.0);   (488864.8,
3614616.1,   3.8,   3.8,   0.0);
     (488844.1, 3614604.7,   3.9,   3.9,   0.0);   (488823.4,
3614593.4,   3.7,   3.7,   0.0);
     (488802.7, 3614582.0,   2.1,   2.1,   0.0);   (488782.0,
3614570.7,   0.1,   3.5,   0.0);
     (488761.2, 3614559.4,   0.1,   0.1,   0.0);   (488734.0,
3614525.3,   0.1,   0.1,   0.0);
     (488727.4, 3614502.7,   0.1,   0.1,   0.0);   (488720.8,
3614480.0,   0.1,   0.1,   0.0);
     (488714.2, 3614457.3,   0.1,   0.1,   0.0);   (488707.6,
3614434.6,   0.1,   0.1,   0.0);
     (488701.1, 3614412.0,   0.1,   0.1,   0.0);   (488694.5,
3614389.3,   0.1,   0.1,   0.0);
     (488687.9, 3614366.6,   0.1,   0.1,   0.0);   (488681.3,
3614343.9,   0.1,   0.1,   0.0);
     (488674.8, 3614321.3,   0.1,   0.1,   0.0);   (488668.2,
3614298.6,   0.1,   0.1,   0.0);
     (488661.6, 3614275.9,   0.1,   0.1,   0.0);   (489009.7,
3614695.4,   4.3,   4.3,   0.0);
     (489033.8, 3614698.0,   4.4,   4.4,   0.0);   (489057.8,
3614700.6,   4.5,   4.5,   0.0);
     (489081.8, 3614703.2,   4.5,   4.5,   0.0);   (488978.0,

```
3614783.3,       6.8,       7.9,       0.0);
     ( 488957.0, 3614771.8,       5.5,       7.9,       0.0);         ( 488935.9,
3614760.3,       4.5,       4.5,       0.0);
     ( 488914.9, 3614748.8,       4.6,       4.6,       0.0);         ( 488893.9,
3614737.3,       5.1,       5.1,       0.0);
     ( 488872.8, 3614725.8,       5.8,       5.8,       0.0);         ( 488851.8,
3614714.2,       5.1,       5.1,       0.0);
     ( 488830.8, 3614702.7,       4.8,       4.8,       0.0);         ( 488809.8,
3614691.2,       4.8,       4.8,       0.0);
     ( 488788.7, 3614679.7,       4.5,       4.5,       0.0);         ( 488767.7,
3614668.2,       4.0,       4.0,       0.0);
     ( 488746.7, 3614656.7,       3.7,       3.7,       0.0);         ( 488725.6,
3614645.1,       3.6,       3.6,       0.0);
     ( 488704.6, 3614633.6,       3.6,       3.6,       0.0);         ( 488683.6,
3614622.1,       3.5,       3.5,       0.0);
     ( 488655.8, 3614587.6,       1.8,       3.4,       0.0);         ( 488649.2,
3614564.5,       0.1,       0.1,       0.0);
     ( 488642.5, 3614541.5,       0.1,       0.1,       0.0);         ( 488635.8,
3614518.5,       0.1,       0.1,       0.0);
     ( 488629.1, 3614495.5,       0.1,       0.1,       0.0);         ( 488622.5,
3614472.4,       0.1,       0.1,       0.0);
     ( 488615.8, 3614449.4,       0.1,       0.1,       0.0);         ( 488609.1,
3614426.4,       0.1,       0.1,       0.0);
     ( 488602.4, 3614403.3,       0.1,       0.1,       0.0);         ( 488595.7,
3614380.3,       0.1,       0.1,       0.0);
     ( 488589.0, 3614357.3,       0.1,       0.1,       0.0);         ( 488582.4,
3614334.2,       0.1,       0.1,       0.0);
     ( 488575.7, 3614311.2,       0.1,       0.1,       0.0);         ( 488569.0,
3614288.2,       0.1,       0.1,       0.0);
     ( 488562.3, 3614265.2,       0.1,       0.1,       0.0);         ( 488999.0,
3614794.9,       4.9,       4.9,       0.0);
     ( 489023.1, 3614797.5,       4.9,       4.9,       0.0);         ( 489047.1,
3614800.0,       4.9,       4.9,       0.0);
     ( 489071.1, 3614802.6,       4.7,       4.7,       0.0);         ( 489095.2,
3614805.2,       4.6,       4.6,       0.0);
     ( 488968.1, 3614883.2,       3.5,       3.5,       0.0);         ( 488948.0,
3614872.2,       3.5,       3.5,       0.0);
     ( 488927.8, 3614861.1,       3.5,       3.5,       0.0);         ( 488907.6,
3614850.1,       3.5,       3.5,       0.0);
     ( 488887.4, 3614839.0,       3.3,       3.3,       0.0);         ( 488867.2,
3614828.0,       2.7,       2.7,       0.0);
     ( 488847.0, 3614816.9,       3.3,       3.3,       0.0);         ( 488826.8,
3614805.8,       2.4,       2.4,       0.0);
     ( 488806.6, 3614794.8,       2.6,       2.6,       0.0);         ( 488786.4,
3614783.7,       3.4,       3.4,       0.0);
     ( 488766.2, 3614772.7,       2.0,       2.0,       0.0);         ( 488746.0,
3614761.6,       1.2,       3.4,       0.0);
     ( 488725.9, 3614750.6,       0.8,       3.6,       0.0);         ( 488705.7,
3614739.5,       1.6,       3.3,       0.0);
     ( 488685.5, 3614728.4,       0.4,       6.1,       0.0);         ( 488665.3,
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3614717.4,   1.0,   6.1,   0.0);
     (488645.1, 3614706.3,   2.2,   2.2,   0.0);   (488624.9,
3614695.3,   2.7,   2.7,   0.0);
     (488604.7, 3614684.2,   1.8,   1.8,   0.0);   (488578.1,
3614651.1,   3.6,   3.6,   0.0);
     (488571.7, 3614629.0,   3.6,   3.6,   0.0);   (488565.3,
3614606.8,   3.5,   3.5,   0.0);
     (488558.9, 3614584.7,   1.5,   3.5,   0.0);   (488552.5,
3614562.6,   0.1,   0.1,   0.0);
     (488546.0, 3614540.5,   0.1,   0.1,   0.0);   (488539.6,
3614518.4,   0.1,   0.1,   0.0);
     (488533.2, 3614496.3,   0.1,   0.1,   0.0);   (488526.8,
3614474.2,   0.1,   0.1,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (488520.4, 3614452.1,   0.1,   0.1,   0.0);   (488514.0,
3614430.0,   0.1,   0.1,   0.0);
     (488507.6, 3614407.9,   0.1,   0.1,   0.0);   (488501.2,
3614385.8,   0.1,   0.1,   0.0);
     (488494.8, 3614363.7,   0.1,   0.1,   0.0);   (488488.3,
3614341.5,   0.1,   0.1,   0.0);
     (488481.9, 3614319.4,   0.1,   0.1,   0.0);   (488475.5,
3614297.3,   0.1,   0.1,   0.0);
     (488469.1, 3614275.2,   0.1,   0.1,   0.0);   (488462.7,
3614253.1,   0.1,   0.1,   0.0);
     (488988.3, 3614894.3,   3.6,   3.6,   0.0);   (489012.4,
3614896.9,   3.9,   3.9,   0.0);
     (489036.4, 3614899.5,   4.2,   4.2,   0.0);   (489060.5,
3614902.1,   4.3,   4.3,   0.0);
     (489084.5, 3614904.6,   4.3,   4.3,   0.0);   (488957.1,
3614982.5,   0.1,   0.1,   0.0);
     (488936.7, 3614971.3,   0.1,   0.1,   0.0);   (488916.2,
3614960.1,   0.1,   0.1,   0.0);
     (488895.7, 3614948.8,   0.1,   0.1,   0.0);   (488875.2,
3614937.6,   0.1,   0.1,   0.0);
     (488854.7, 3614926.4,   0.1,   0.1,   0.0);   (488834.2,
3614915.2,   0.1,   0.1,   0.0);
     (488813.8, 3614904.0,   0.1,   0.1,   0.0);   (488793.3,
3614892.8,   0.1,   0.1,   0.0);
     (488772.8, 3614881.6,   0.1,   0.1,   0.0);   (488752.3,

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3614870.3,       0.1,       0.1,       0.0);
     ( 488731.8, 3614859.1,       0.1,       0.1,       0.0);         ( 488711.3,
3614847.9,       0.1,       0.1,       0.0);
     ( 488690.9, 3614836.7,       0.1,       0.1,       0.0);         ( 488670.4,
3614825.5,       0.1,       0.1,       0.0);
     ( 488649.9, 3614814.3,       0.1,       0.1,       0.0);         ( 488629.4,
3614803.0,       0.1,       0.1,       0.0);
     ( 488608.9, 3614791.8,       0.1,       0.1,       0.0);         ( 488588.5,
3614780.6,       0.1,       0.1,       0.0);
     ( 488568.0, 3614769.4,       0.1,       0.1,       0.0);         ( 488547.5,
3614758.2,       0.1,       0.1,       0.0);
     ( 488527.0, 3614747.0,       0.1,       0.1,       0.0);         ( 488500.0,
3614713.3,       0.1,       0.1,       0.0);
     ( 488493.5, 3614690.9,       0.6,       3.5,       0.0);         ( 488487.0,
3614668.5,       3.0,       3.0,       0.0);
     ( 488480.5, 3614646.0,       3.5,       3.5,       0.0);         ( 488474.0,
3614623.6,       3.5,       3.5,       0.0);
     ( 488467.5, 3614601.2,       2.5,       3.4,       0.0);         ( 488461.0,
3614578.8,       1.6,       3.3,       0.0);
     ( 488454.5, 3614556.3,       0.5,       3.3,       0.0);         ( 488448.0,
3614533.9,       0.1,       0.1,       0.0);
     ( 488441.5, 3614511.5,       0.1,       0.1,       0.0);         ( 488435.0,
3614489.0,       0.1,       0.1,       0.0);
     ( 488428.5, 3614466.6,       0.1,       0.1,       0.0);         ( 488422.0,
3614444.2,       0.1,       0.1,       0.0);
     ( 488415.4, 3614421.8,       0.1,       0.1,       0.0);         ( 488408.9,
3614399.3,       0.1,       0.1,       0.0);
     ( 488402.4, 3614376.9,       0.1,       0.1,       0.0);         ( 488395.9,
3614354.5,       0.1,       0.1,       0.0);
     ( 488389.4, 3614332.0,       0.1,       0.1,       0.0);         ( 488382.9,
3614309.6,       0.1,       0.1,       0.0);
     ( 488376.4, 3614287.2,       0.1,       0.1,       0.0);         ( 488369.9,
3614264.8,       0.1,       0.1,       0.0);
     ( 488363.4, 3614242.3,       0.1,       0.1,       0.0);         ( 488977.6,
3614993.7,       0.1,       0.1,       0.0);
     ( 489001.7, 3614996.3,       0.1,       0.1,       0.0);         ( 489025.7,
3614998.9,       0.2,       0.2,       0.0);
     ( 489049.7, 3615001.5,       0.2,       3.3,       0.0);         ( 488946.2,
3615081.8,       3.6,       3.6,       0.0);
     ( 488925.5, 3615070.5,       3.7,       3.7,       0.0);         ( 488904.8,
3615059.1,       3.7,       3.7,       0.0);
     ( 488884.1, 3615047.8,       3.7,       3.7,       0.0);         ( 488863.4,
3615036.4,       3.7,       3.7,       0.0);
     ( 488842.7, 3615025.1,       3.5,       3.5,       0.0);         ( 488822.0,
3615013.8,       1.2,       3.4,       0.0);
     ( 488801.3, 3615002.4,       0.1,       0.1,       0.0);         ( 488780.5,
3614991.1,       0.1,       0.1,       0.0);
     ( 488759.8, 3614979.8,       0.1,       0.1,       0.0);         ( 488739.1,
3614968.4,       0.1,       0.1,       0.0);
     ( 488718.4, 3614957.1,       0.1,       0.1,       0.0);         ( 488697.7,
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3614945.7,   0.1,   0.1,   0.0);
     (488677.0, 3614934.4,   0.1,   0.1,   0.0);   (488656.3,
3614923.0,   0.1,   0.1,   0.0);
     (488635.6, 3614911.7,   0.1,   0.1,   0.0);   (488614.9,
3614900.4,   0.1,   0.1,   0.0);
     (488594.2, 3614889.0,   0.1,   0.1,   0.0);   (488573.5,
3614877.7,   0.1,   0.1,   0.0);
     (488552.8, 3614866.4,   0.1,   0.1,   0.0);   (488532.1,
3614855.0,   0.1,   0.1,   0.0);
     (488511.3, 3614843.7,   0.1,   0.1,   0.0);   (488490.6,
3614832.3,   0.1,   0.1,   0.0);
     (488469.9, 3614821.0,   0.1,   0.1,   0.0);   (488449.2,
3614809.7,   0.1,   0.1,   0.0);
     (488421.9, 3614775.6,   0.1,   0.1,   0.0);   (488415.4,
3614753.0,   0.1,   0.1,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (488408.8, 3614730.3,   0.1,   0.1,   0.0);   (488402.2,
3614707.6,   0.1,   0.1,   0.0);
     (488395.6, 3614684.9,   0.1,   0.1,   0.0);   (488389.0,
3614662.3,   0.1,   0.1,   0.0);
     (488382.5, 3614639.6,   0.1,   0.1,   0.0);   (488375.9,
3614616.9,   0.1,   0.1,   0.0);
     (488369.3, 3614594.2,   0.1,   0.1,   0.0);   (488362.7,
3614571.6,   0.1,   0.1,   0.0);
     (488356.2, 3614548.9,   0.1,   0.1,   0.0);   (488349.6,
3614526.2,   0.1,   0.1,   0.0);
     (488343.0, 3614503.5,   0.1,   0.1,   0.0);   (488336.4,
3614480.9,   0.1,   0.1,   0.0);
     (488329.9, 3614458.2,   0.1,   0.1,   0.0);   (488323.3,
3614435.5,   0.1,   0.1,   0.0);
     (488316.7, 3614412.8,   0.1,   0.1,   0.0);   (488310.1,
3614390.2,   0.1,   0.1,   0.0);
     (488303.5, 3614367.5,   0.1,   0.1,   0.0);   (488297.0,
3614344.8,   0.1,   0.1,   0.0);
     (488290.4, 3614322.1,   0.1,   0.1,   0.0);   (488283.8,
3614299.5,   0.1,   0.1,   0.0);
     (488277.2, 3614276.8,   0.1,   0.1,   0.0);   (488270.7,
3614254.1,   0.1,   0.1,   0.0);
     (488264.1, 3614231.4,   0.1,   0.1,   0.0);   (488966.9,

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3615093.1,       3.5,       3.5,       0.0);
     ( 488991.0, 3615095.7,       3.5,       3.5,       0.0);         ( 489015.0,
3615098.3,       1.4,       3.4,       0.0);
     ( 489039.0, 3615100.9,       0.8,       0.8,       0.0);         ( 488924.5,
3615280.5,       4.0,       4.0,       0.0);
     ( 488903.5, 3615269.0,       4.0,       4.0,       0.0);         ( 488882.4,
3615257.4,       4.0,       4.0,       0.0);
     ( 488861.4, 3615245.9,       4.0,       4.0,       0.0);         ( 488840.4,
3615234.4,       3.9,       3.9,       0.0);
     ( 488819.3, 3615222.9,       3.7,       3.7,       0.0);         ( 488798.3,
3615211.4,       4.1,       4.1,       0.0);
     ( 488777.3, 3615199.9,       4.1,       4.1,       0.0);         ( 488756.2,
3615188.3,       3.8,       3.8,       0.0);
     ( 488735.2, 3615176.8,       3.6,       3.6,       0.0);         ( 488714.2,
3615165.3,       1.4,       1.4,       0.0);
     ( 488693.1, 3615153.8,       0.1,       0.1,       0.0);         ( 488672.1,
3615142.3,       0.1,       0.1,       0.0);
     ( 488651.1, 3615130.8,       0.1,       0.1,       0.0);         ( 488630.0,
3615119.2,       0.1,       0.1,       0.0);
     ( 488609.0, 3615107.7,       0.1,       0.1,       0.0);         ( 488588.0,
3615096.2,       0.1,       0.1,       0.0);
     ( 488567.0, 3615084.7,       0.1,       0.1,       0.0);         ( 488545.9,
3615073.2,       0.1,       0.1,       0.0);
     ( 488524.9, 3615061.7,       0.1,       0.1,       0.0);         ( 488503.9,
3615050.1,       0.1,       0.1,       0.0);
     ( 488482.8, 3615038.6,       0.1,       0.1,       0.0);         ( 488461.8,
3615027.1,       0.1,       0.1,       0.0);
     ( 488440.8, 3615015.6,       0.1,       0.1,       0.0);         ( 488419.7,
3615004.1,       0.1,       0.1,       0.0);
     ( 488398.7, 3614992.6,       0.1,       0.1,       0.0);         ( 488377.7,
3614981.0,       0.1,       0.1,       0.0);
     ( 488356.6, 3614969.5,       0.1,       0.1,       0.0);         ( 488335.6,
3614958.0,       0.1,       0.1,       0.0);
     ( 488314.6, 3614946.5,       0.1,       0.1,       0.0);         ( 488293.5,
3614935.0,       0.1,       0.1,       0.0);
     ( 488265.8, 3614900.4,       0.1,       0.1,       0.0);         ( 488259.1,
3614877.4,       0.1,       0.1,       0.0);
     ( 488252.5, 3614854.4,       0.1,       0.1,       0.0);         ( 488245.8,
3614831.3,       0.1,       0.1,       0.0);
     ( 488239.1, 3614808.3,       0.1,       0.1,       0.0);         ( 488232.4,
3614785.3,       0.1,       0.1,       0.0);
     ( 488225.8, 3614762.3,       0.1,       0.1,       0.0);         ( 488219.1,
3614739.2,       0.1,       0.1,       0.0);
     ( 488212.4, 3614716.2,       0.1,       0.1,       0.0);         ( 488205.7,
3614693.2,       0.1,       0.1,       0.0);
     ( 488199.0, 3614670.1,       0.1,       0.1,       0.0);         ( 488192.3,
3614647.1,       0.1,       0.1,       0.0);
     ( 488185.7, 3614624.1,       0.1,       0.1,       0.0);         ( 488179.0,
3614601.0,       0.1,       0.1,       0.0);
     ( 488172.3, 3614578.0,       0.1,       0.1,       0.0);         ( 488165.6,
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3614555.0,   0.0,   0.0,   0.0);
     (488159.0, 3614532.0,   0.0,   0.0,   0.0);   (488152.3,
3614508.9,   0.0,   0.0,   0.0);
     (488145.6, 3614485.9,   0.0,   0.0,   0.0);   (488138.9,
3614462.9,   0.0,   0.0,   0.0);
     (488132.2, 3614439.8,   0.0,   0.0,   0.0);   (488125.5,
3614416.8,   0.0,   0.0,   0.0);
     (488118.9, 3614393.8,   0.0,   0.0,   0.0);   (488112.2,
3614370.8,   0.0,   0.0,   0.0);
     (488105.5, 3614347.7,   0.0,   0.0,   0.0);   (488098.8,
3614324.7,   -0.0,   -0.0,   0.0);
     (488092.1, 3614301.7,   -0.1,   -0.1,   0.0);   (488085.5,
3614278.6,   -0.2,   -0.2,   0.0);
     (488078.8, 3614255.6,   -0.2,   -0.2,   0.0);   (488072.1,
3614232.6,   -0.2,   -0.2,   0.0);
     (488065.4, 3614209.5,   -0.2,   -0.2,   0.0);   (488945.5,
3615292.0,   4.1,   4.1,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (488969.6, 3615294.6,   4.1,   4.1,   0.0);   (488993.6,
3615297.2,   4.0,   4.0,   0.0);
     (489017.6, 3615299.8,   3.9,   3.9,   0.0);   (488903.4,
3615479.5,   4.0,   4.0,   0.0);
     (488882.7, 3615468.2,   4.1,   4.1,   0.0);   (488862.0,
3615456.8,   4.6,   4.6,   0.0);
     (488841.3, 3615445.5,   4.8,   4.8,   0.0);   (488820.6,
3615434.1,   4.6,   4.6,   0.0);
     (488799.9, 3615422.8,   4.2,   4.2,   0.0);   (488779.2,
3615411.5,   3.9,   3.9,   0.0);
     (488758.5, 3615400.1,   3.8,   3.8,   0.0);   (488737.7,
3615388.8,   3.8,   3.8,   0.0);
     (488717.0, 3615377.4,   3.7,   3.7,   0.0);   (488696.3,
3615366.1,   3.7,   3.7,   0.0);
     (488675.6, 3615354.8,   4.0,   4.0,   0.0);   (488654.9,
3615343.4,   3.9,   3.9,   0.0);
     (488634.2, 3615332.1,   3.6,   3.6,   0.0);   (488613.5,
3615320.8,   1.8,   1.8,   0.0);
     (488592.8, 3615309.4,   0.1,   0.1,   0.0);   (488572.1,
3615298.1,   0.1,   0.1,   0.0);
     (488551.4, 3615286.7,   0.1,   0.1,   0.0);   (488530.7,

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3615275.4,       0.1,       0.1,       0.0);
     ( 488510.0, 3615264.1,       0.1,       0.1,       0.0);         ( 488489.2,
3615252.7,       0.1,       0.1,       0.0);
     ( 488468.5, 3615241.4,       0.1,       0.1,       0.0);         ( 488447.8,
3615230.0,       0.1,       0.1,       0.0);
     ( 488427.1, 3615218.7,       0.1,       0.1,       0.0);         ( 488406.4,
3615207.4,       0.1,       0.1,       0.0);
     ( 488385.7, 3615196.0,       0.1,       0.1,       0.0);         ( 488365.0,
3615184.7,       0.1,       0.1,       0.0);
     ( 488344.3, 3615173.3,       0.1,       0.1,       0.0);         ( 488323.6,
3615162.0,       0.1,       0.1,       0.0);
     ( 488302.9, 3615150.7,       0.1,       0.1,       0.0);         ( 488282.2,
3615139.3,       0.1,       0.1,       0.0);
     ( 488261.5, 3615128.0,       0.1,       0.1,       0.0);         ( 488240.8,
3615116.6,       0.1,       0.1,       0.0);
     ( 488220.0, 3615105.3,       0.1,       0.1,       0.0);         ( 488199.3,
3615094.0,       0.1,       0.1,       0.0);
     ( 488178.6, 3615082.6,       0.1,       0.1,       0.0);         ( 488157.9,
3615071.3,       0.1,       0.1,       0.0);
     ( 488137.2, 3615059.9,       0.1,       0.1,       0.0);         ( 488109.9,
3615025.9,       0.1,       0.1,       0.0);
     ( 488103.3, 3615003.3,       0.1,       0.1,       0.0);         ( 488096.8,
3614980.6,       0.1,       0.1,       0.0);
     ( 488090.2, 3614957.9,       0.0,       0.0,       0.0);         ( 488083.6,
3614935.2,       0.0,       0.0,       0.0);
     ( 488077.0, 3614912.6,       0.0,       0.0,       0.0);         ( 488070.5,
3614889.9,       0.0,       0.0,       0.0);
     ( 488063.9, 3614867.2,       0.0,       0.0,       0.0);         ( 488057.3,
3614844.5,       0.0,       0.0,       0.0);
     ( 488050.7, 3614821.9,       0.0,       0.0,       0.0);         ( 488044.1,
3614799.2,       0.0,       0.0,       0.0);
     ( 488037.6, 3614776.5,       0.0,       0.0,       0.0);         ( 488031.0,
3614753.8,       0.0,       0.0,       0.0);
     ( 488024.4, 3614731.2,      -0.0,      -0.0,       0.0);         ( 488017.8,
3614708.5,      -0.1,      -0.1,       0.0);
     ( 488011.3, 3614685.8,      -0.1,      -0.1,       0.0);         ( 488004.7,
3614663.1,      -0.2,      -0.2,       0.0);
     ( 487998.1, 3614640.5,      -0.2,      -0.2,       0.0);         ( 487991.5,
3614617.8,      -0.2,      -0.2,       0.0);
     ( 487985.0, 3614595.1,      -0.2,      -0.2,       0.0);         ( 487978.4,
3614572.4,      -0.2,      -0.2,       0.0);
     ( 487971.8, 3614549.8,      -0.2,      -0.2,       0.0);         ( 487965.2,
3614527.1,      -0.2,      -0.2,       0.0);
     ( 487958.6, 3614504.4,      -0.2,      -0.2,       0.0);         ( 487952.1,
3614481.7,      -0.2,      -0.2,       0.0);
     ( 487945.5, 3614459.1,      -0.2,      -0.2,       0.0);         ( 487938.9,
3614436.4,      -0.2,      -0.2,       0.0);
     ( 487932.3, 3614413.7,      -0.2,      -0.2,       0.0);         ( 487925.8,
3614391.0,      -0.2,      -0.2,       0.0);
     ( 487919.2, 3614368.4,      -0.2,      -0.2,       0.0);         ( 487912.6,
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3614345.7,   -0.2,   -0.2,   0.0);
     (487906.0, 3614323.0,   -0.2,   -0.2,   0.0);   (487899.5,
3614300.3,   -0.2,   -0.2,   0.0);
     (487892.9, 3614277.7,   -0.2,   -0.2,   0.0);   (487886.3,
3614255.0,   -0.2,   -0.2,   0.0);
     (487879.7, 3614232.3,   -0.2,   -0.2,   0.0);   (487873.1,
3614209.6,   -0.2,   -0.2,   0.0);
     (487866.6, 3614187.0,   -0.2,   -0.2,   0.0);   (488924.1,
3615490.8,   4.2,   4.2,   0.0);
     (488948.2, 3615493.4,   4.3,   4.3,   0.0);   (488972.2,
3615496.0,   4.0,   4.0,   0.0);
     (488996.2, 3615498.6,   3.9,   3.9,   0.0);   (489020.3,
3615501.2,   4.2,   4.2,   0.0);
     (488881.8, 3615678.2,   3.9,   3.9,   0.0);   (488860.8,
3615666.8,   3.7,   3.7,   0.0);
     (488839.9, 3615655.3,   3.6,   3.6,   0.0);   (488819.0,
3615643.8,   3.8,   3.8,   0.0);
     (488798.0, 3615632.4,   3.9,   3.9,   0.0);   (488777.1,
3615620.9,   3.9,   3.9,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

     (488756.1, 3615609.4,   4.2,   4.2,   0.0);   (488735.2,
3615598.0,   4.1,   4.1,   0.0);
     (488714.3, 3615586.5,   4.1,   4.1,   0.0);   (488693.3,
3615575.0,   4.1,   4.1,   0.0);
     (488672.4, 3615563.6,   4.1,   4.1,   0.0);   (488651.5,
3615552.1,   4.0,   4.0,   0.0);
     (488630.5, 3615540.6,   4.0,   4.0,   0.0);   (488609.6,
3615529.2,   4.0,   4.0,   0.0);
     (488588.6, 3615517.7,   3.9,   3.9,   0.0);   (488567.7,
3615506.2,   3.9,   3.9,   0.0);
     (488546.8, 3615494.8,   3.8,   3.8,   0.0);   (488525.8,
3615483.3,   3.5,   3.5,   0.0);
     (488504.9, 3615471.9,   1.2,   1.2,   0.0);   (488484.0,
3615460.4,   0.1,   0.1,   0.0);
     (488463.0, 3615448.9,   0.1,   0.1,   0.0);   (488442.1,
3615437.5,   0.1,   0.1,   0.0);
     (488421.1, 3615426.0,   0.1,   0.1,   0.0);   (488400.2,
3615414.5,   0.1,   0.1,   0.0);
     (488379.2, 3615403.1,   0.1,   0.1,   0.0);   (488358.3,

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3615391.6,       0.1,       0.1,       0.0);
     ( 488337.4, 3615380.1,       0.1,       0.1,       0.0);         ( 488316.4,
3615368.7,       0.1,       0.1,       0.0);
     ( 488295.5, 3615357.2,       0.1,       0.1,       0.0);         ( 488274.6,
3615345.7,       0.1,       0.1,       0.0);
     ( 488253.6, 3615334.3,       0.1,       0.1,       0.0);         ( 488232.7,
3615322.8,       0.1,       0.1,       0.0);
     ( 488211.8, 3615311.3,       0.1,       0.1,       0.0);         ( 488190.8,
3615299.9,       0.1,       0.1,       0.0);
     ( 488169.9, 3615288.4,       0.1,       0.1,       0.0);         ( 488148.9,
3615276.9,       0.1,       0.1,       0.0);
     ( 488128.0, 3615265.5,       0.1,       0.1,       0.0);         ( 488107.1,
3615254.0,       0.1,       0.1,       0.0);
     ( 488086.1, 3615242.5,       0.1,       0.1,       0.0);         ( 488065.2,
3615231.1,       0.0,       0.0,       0.0);
     ( 488044.2, 3615219.6,       0.0,       0.0,       0.0);         ( 488023.3,
3615208.1,       0.0,       0.0,       0.0);
     ( 488002.4, 3615196.7,       0.0,       0.0,       0.0);         ( 487981.4,
3615185.2,       0.0,       0.0,       0.0);
     ( 487953.8, 3615150.8,       0.0,       0.0,       0.0);         ( 487947.2,
3615127.9,      -0.1,      -0.1,       0.0);
     ( 487940.5, 3615105.0,      -0.2,      -0.2,       0.0);         ( 487933.9,
3615082.0,      -0.2,      -0.2,       0.0);
     ( 487927.2, 3615059.1,      -0.2,      -0.2,       0.0);         ( 487920.6,
3615036.2,      -0.2,      -0.2,       0.0);
     ( 487913.9, 3615013.3,      -0.2,      -0.2,       0.0);         ( 487907.3,
3614990.3,      -0.2,      -0.2,       0.0);
     ( 487900.6, 3614967.4,      -0.2,      -0.2,       0.0);         ( 487894.0,
3614944.5,      -0.2,      -0.2,       0.0);
     ( 487887.3, 3614921.6,      -0.2,      -0.2,       0.0);         ( 487880.7,
3614898.6,      -0.2,      -0.2,       0.0);
     ( 487874.0, 3614875.7,      -0.2,      -0.2,       0.0);         ( 487867.4,
3614852.8,      -0.2,      -0.2,       0.0);
     ( 487860.7, 3614829.8,      -0.2,      -0.2,       0.0);         ( 487854.1,
3614806.9,      -0.2,      -0.2,       0.0);
     ( 487847.4, 3614784.0,      -0.2,      -0.2,       0.0);         ( 487840.8,
3614761.1,      -0.2,      -0.2,       0.0);
     ( 487834.1, 3614738.1,      -0.2,      -0.2,       0.0);         ( 487827.5,
3614715.2,      -0.2,      -0.2,       0.0);
     ( 487820.8, 3614692.3,      -0.2,      -0.2,       0.0);         ( 487814.2,
3614669.4,      -0.2,      -0.2,       0.0);
     ( 487807.5, 3614646.4,      -0.2,      -0.2,       0.0);         ( 487800.9,
3614623.5,      -0.2,      -0.2,       0.0);
     ( 487794.2, 3614600.6,      -0.2,      -0.2,       0.0);         ( 487787.6,
3614577.6,      -0.2,      -0.2,       0.0);
     ( 487780.9, 3614554.7,      -0.2,      -0.2,       0.0);         ( 487774.3,
3614531.8,      -0.2,      -0.2,       0.0);
     ( 487767.6, 3614508.9,      -0.2,      -0.2,       0.0);         ( 487761.0,
3614485.9,      -0.2,      -0.2,       0.0);
     ( 487754.3, 3614463.0,      -0.3,      -0.3,       0.0);         ( 487747.7,
```

3614440.1,   -0.3,   -0.3,   0.0);
     (487741.0, 3614417.2,   -0.3,   -0.3,   0.0);   (487734.4,
3614394.2,   -0.3,   -0.3,   0.0);
     (487727.7, 3614371.3,   -0.3,   -0.3,   0.0);   (487721.1,
3614348.4,   -0.3,   -0.3,   0.0);
     (487714.4, 3614325.4,   -0.3,   -0.3,   0.0);   (487707.8,
3614302.5,   -0.3,   -0.3,   0.0);
     (487701.1, 3614279.6,   -0.3,   -0.3,   0.0);   (487694.5,
3614256.7,   -0.3,   -0.3,   0.0);
     (487687.8, 3614233.8,   -0.3,   -0.3,   0.0);   (487681.2,
3614210.8,   -0.3,   -0.3,   0.0);
     (487674.5, 3614187.9,   -0.3,   -0.3,   0.0);   (487667.9,
3614165.0,   -0.3,   -0.3,   0.0);
     (488902.7, 3615689.7,   4.1,   4.1,   0.0);   (488926.8,
3615692.3,   4.1,   4.1,   0.0);
     (488950.8, 3615694.9,   4.1,   4.1,   0.0);   (488974.8,
3615697.5,   4.1,   4.1,   0.0);
     (488860.2, 3615877.0,   4.5,   4.5,   0.0);   (488839.1,
3615865.4,   4.6,   4.6,   0.0);
     (488818.0, 3615853.9,   4.6,   4.6,   0.0);   (488796.8,
3615842.3,   4.6,   4.6,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (488775.7, 3615830.7,   4.5,   4.5,   0.0);   (488754.6,
3615819.2,   4.4,   4.4,   0.0);
     (488733.5, 3615807.6,   4.3,   4.3,   0.0);   (488712.4,
3615796.1,   4.5,   4.5,   0.0);
     (488691.3, 3615784.5,   4.6,   4.6,   0.0);   (488670.2,
3615772.9,   4.8,   4.8,   0.0);
     (488649.0, 3615761.4,   4.8,   4.8,   0.0);   (488627.9,
3615749.8,   4.7,   4.7,   0.0);
     (488606.8, 3615738.2,   4.6,   4.6,   0.0);   (488585.7,
3615726.7,   4.3,   4.3,   0.0);
     (488564.6, 3615715.1,   4.2,   4.2,   0.0);   (488543.5,
3615703.6,   4.0,   4.0,   0.0);
     (488522.4, 3615692.0,   4.0,   4.0,   0.0);   (488501.2,
3615680.4,   3.9,   3.9,   0.0);
     (488480.1, 3615668.9,   3.9,   3.9,   0.0);   (488459.0,
3615657.3,   3.8,   3.8,   0.0);
     (488437.9, 3615645.8,   3.7,   3.7,   0.0);   (488416.8,

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3615634.2,       3.1,       3.1,       0.0);
     ( 488395.7, 3615622.6,       0.5,       3.5,       0.0);         ( 488374.6,
3615611.1,       0.1,       0.1,       0.0);
     ( 488353.5, 3615599.5,       0.1,       0.1,       0.0);         ( 488332.3,
3615587.9,       0.1,       0.1,       0.0);
     ( 488311.2, 3615576.4,       0.1,       0.1,       0.0);         ( 488290.1,
3615564.8,       0.1,       0.1,       0.0);
     ( 488269.0, 3615553.3,       0.1,       0.1,       0.0);         ( 488247.9,
3615541.7,       0.1,       0.1,       0.0);
     ( 488226.8, 3615530.1,       0.1,       0.1,       0.0);         ( 488205.6,
3615518.6,       0.1,       0.1,       0.0);
     ( 488184.5, 3615507.0,       0.1,       0.1,       0.0);         ( 488163.4,
3615495.4,       0.1,       0.1,       0.0);
     ( 488142.3, 3615483.9,       0.0,       0.0,       0.0);         ( 488121.2,
3615472.3,       0.0,       0.0,       0.0);
     ( 488100.1, 3615460.8,       0.0,       0.0,       0.0);         ( 488079.0,
3615449.2,       0.0,       0.0,       0.0);
     ( 488057.8, 3615437.6,       0.0,       0.0,       0.0);         ( 488036.7,
3615426.1,       0.0,       0.0,       0.0);
     ( 488015.6, 3615414.5,      -0.1,      -0.1,       0.0);         ( 487994.5,
3615402.9,      -0.2,      -0.2,       0.0);
     ( 487973.4, 3615391.4,      -0.2,      -0.2,       0.0);         ( 487952.3,
3615379.8,      -0.2,      -0.2,       0.0);
     ( 487931.2, 3615368.3,      -0.2,      -0.2,       0.0);         ( 487910.0,
3615356.7,      -0.2,      -0.2,       0.0);
     ( 487888.9, 3615345.1,      -0.2,      -0.2,       0.0);         ( 487867.8,
3615333.6,      -0.2,      -0.2,       0.0);
     ( 487846.7, 3615322.0,      -0.2,      -0.2,       0.0);         ( 487825.6,
3615310.5,      -0.2,      -0.2,       0.0);
     ( 487797.8, 3615275.8,      -0.2,      -0.2,       0.0);         ( 487791.1,
3615252.7,      -0.2,      -0.2,       0.0);
     ( 487784.4, 3615229.5,      -0.2,      -0.2,       0.0);         ( 487777.6,
3615206.4,      -0.2,      -0.2,       0.0);
     ( 487771.0, 3615183.3,      -0.2,      -0.2,       0.0);         ( 487764.2,
3615160.2,      -0.2,      -0.2,       0.0);
     ( 487757.5, 3615137.1,      -0.2,      -0.2,       0.0);         ( 487750.8,
3615113.9,      -0.2,      -0.2,       0.0);
     ( 487744.1, 3615090.8,      -0.2,      -0.2,       0.0);         ( 487737.4,
3615067.7,      -0.2,      -0.2,       0.0);
     ( 487730.7, 3615044.6,      -0.3,      -0.3,       0.0);         ( 487724.0,
3615021.5,      -0.3,      -0.3,       0.0);
     ( 487717.3, 3614998.3,      -0.3,      -0.3,       0.0);         ( 487710.6,
3614975.2,      -0.3,      -0.3,       0.0);
     ( 487703.9, 3614952.1,      -0.3,      -0.3,       0.0);         ( 487697.2,
3614929.0,      -0.3,      -0.3,       0.0);
     ( 487690.5, 3614905.9,      -0.3,      -0.3,       0.0);         ( 487683.8,
3614882.7,      -0.3,      -0.3,       0.0);
     ( 487677.1, 3614859.6,      -0.3,      -0.3,       0.0);         ( 487670.4,
3614836.5,      -0.3,      -0.3,       0.0);
     ( 487663.6, 3614813.4,      -0.3,      -0.3,       0.0);         ( 487657.0,
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3614790.3,   -0.3,   -0.3,   0.0);
     (487650.2, 3614767.1,   -0.3,   -0.3,   0.0);   (487643.5,
3614744.0,   -0.3,   -0.3,   0.0);
     (487636.8, 3614720.9,   -0.3,   -0.3,   0.0);   (487630.1,
3614697.8,   -0.3,   -0.3,   0.0);
     (487623.4, 3614674.7,   -0.3,   -0.3,   0.0);   (487616.7,
3614651.5,   -0.3,   -0.3,   0.0);
     (487610.0, 3614628.4,   -0.3,   -0.3,   0.0);   (487603.3,
3614605.3,   -0.3,   -0.3,   0.0);
     (487596.6, 3614582.2,   -0.3,   -0.3,   0.0);   (487589.9,
3614559.1,   -0.3,   -0.3,   0.0);
     (487583.2, 3614535.9,   -0.3,   -0.3,   0.0);   (487576.5,
3614512.8,   -0.3,   -0.3,   0.0);
     (487569.8, 3614489.7,   -0.3,   -0.3,   0.0);   (487563.1,
3614466.6,   -0.3,   -0.3,   0.0);
     (487556.4, 3614443.5,   -0.3,   -0.3,   0.0);   (487549.6,
3614420.3,   -0.3,   -0.3,   0.0);
     (487543.0, 3614397.2,   -0.3,   -0.3,   0.0);   (487536.2,
3614374.1,   -0.3,   -0.3,   0.0);
     (487529.5, 3614351.0,   -0.3,   -0.3,   0.0);   (487522.8,
3614327.9,   -0.3,   -0.3,   0.0);
     (487516.1, 3614304.8,   -0.3,   -0.3,   0.0);   (487509.4,
3614281.6,   -0.3,   -0.3,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (487502.7, 3614258.5,   -0.3,   -0.3,   0.0);   (487496.0,
3614235.4,   -0.3,   -0.3,   0.0);
     (487489.3, 3614212.3,   -0.3,   -0.3,   0.0);   (487482.6,
3614189.1,   -0.3,   -0.3,   0.0);
     (487475.9, 3614166.0,   -0.3,   -0.3,   0.0);   (487469.2,
3614142.9,   -0.3,   -0.3,   0.0);
     (488881.3, 3615888.5,   4.6,   4.6,   0.0);   (488905.3,
3615891.1,   4.3,   4.3,   0.0);
     (488929.4, 3615893.7,   3.9,   3.9,   0.0);   (488953.4,
3615896.3,   3.3,   3.3,   0.0);
     (488977.5, 3615898.9,   2.6,   2.6,   0.0);   (488839.0,
3616076.0,   4.6,   4.6,   0.0);
     (488818.1, 3616064.5,   4.5,   4.5,   0.0);   (488797.2,
3616053.1,   4.7,   4.7,   0.0);
     (488776.4, 3616041.6,   4.6,   4.6,   0.0);   (488755.5,

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3616030.2,       4.8,       4.8,       0.0);
     ( 488734.6, 3616018.8,       5.2,       5.2,       0.0);         ( 488713.7,
3616007.3,       5.9,       5.9,       0.0);
     ( 488692.8, 3615995.9,       6.3,       6.3,       0.0);         ( 488671.9,
3615984.5,       6.2,       6.2,       0.0);
     ( 488651.0, 3615973.0,       5.4,       5.4,       0.0);         ( 488630.1,
3615961.6,       4.5,       4.5,       0.0);
     ( 488609.3, 3615950.1,       4.2,       4.2,       0.0);         ( 488588.4,
3615938.7,       4.1,       4.1,       0.0);
     ( 488567.5, 3615927.3,       4.0,       4.0,       0.0);         ( 488546.6,
3615915.8,       3.9,       3.9,       0.0);
     ( 488525.7, 3615904.4,       3.9,       3.9,       0.0);         ( 488504.8,
3615893.0,       3.3,       3.3,       0.0);
     ( 488483.9, 3615881.5,       3.0,       3.0,       0.0);         ( 488463.0,
3615870.1,       3.0,       3.0,       0.0);
     ( 488442.2, 3615858.7,       3.0,       3.0,       0.0);         ( 488421.3,
3615847.2,       3.0,       3.0,       0.0);
     ( 488400.4, 3615835.8,       3.0,       3.0,       0.0);         ( 488379.5,
3615824.3,       3.0,       3.0,       0.0);
     ( 488358.6, 3615812.9,       3.0,       3.0,       0.0);         ( 488337.7,
3615801.5,       3.1,       3.1,       0.0);
     ( 488316.8, 3615790.0,       2.9,       2.9,       0.0);         ( 488296.0,
3615778.6,       2.6,       2.6,       0.0);
     ( 488275.1, 3615767.2,       0.6,       0.6,       0.0);         ( 488254.2,
3615755.7,       0.1,       0.1,       0.0);
     ( 488233.3, 3615744.3,       0.1,       0.1,       0.0);         ( 488212.4,
3615732.8,       0.0,       0.0,       0.0);
     ( 488191.5, 3615721.4,       0.0,       0.0,       0.0);         ( 488170.6,
3615710.0,       0.0,       0.0,       0.0);
     ( 488149.8, 3615698.5,       0.0,       0.0,       0.0);         ( 488128.9,
3615687.1,       0.0,       0.0,       0.0);
     ( 488108.0, 3615675.7,      -0.0,      -0.0,       0.0);         ( 488087.1,
3615664.2,      -0.2,      -0.2,       0.0);
     ( 488066.2, 3615652.8,      -0.2,      -0.2,       0.0);         ( 488045.3,
3615641.3,      -0.2,      -0.2,       0.0);
     ( 488024.4, 3615629.9,      -0.2,      -0.2,       0.0);         ( 488003.5,
3615618.5,      -0.2,      -0.2,       0.0);
     ( 487982.7, 3615607.0,      -0.2,      -0.2,       0.0);         ( 487961.8,
3615595.6,      -0.2,      -0.2,       0.0);
     ( 487940.9, 3615584.2,      -0.2,      -0.2,       0.0);         ( 487920.0,
3615572.7,      -0.2,      -0.2,       0.0);
     ( 487899.1, 3615561.3,      -0.2,      -0.2,       0.0);         ( 487878.2,
3615549.8,      -0.2,      -0.2,       0.0);
     ( 487857.3, 3615538.4,      -0.2,      -0.2,       0.0);         ( 487836.5,
3615527.0,      -0.2,      -0.2,       0.0);
     ( 487815.6, 3615515.5,      -0.2,      -0.2,       0.0);         ( 487794.7,
3615504.1,      -0.2,      -0.2,       0.0);
     ( 487773.8, 3615492.7,      -0.2,      -0.2,       0.0);         ( 487752.9,
3615481.2,      -0.2,      -0.2,       0.0);
     ( 487732.0, 3615469.8,      -0.2,      -0.2,       0.0);         ( 487711.1,
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3615458.3,   -0.2,   -0.2,   0.0);
     (487690.2, 3615446.9,   -0.3,   -0.3,   0.0);   (487669.4,
3615435.5,   -0.3,   -0.3,   0.0);
     (487641.8, 3615401.2,   -0.3,   -0.3,   0.0);   (487635.2,
3615378.3,   -0.3,   -0.3,   0.0);
     (487628.6, 3615355.4,   -0.3,   -0.3,   0.0);   (487621.9,
3615332.6,   -0.3,   -0.3,   0.0);
     (487615.3, 3615309.7,   -0.3,   -0.3,   0.0);   (487608.7,
3615286.8,   -0.3,   -0.3,   0.0);
     (487602.0, 3615263.9,   -0.3,   -0.3,   0.0);   (487595.4,
3615241.1,   -0.3,   -0.3,   0.0);
     (487588.8, 3615218.2,   -0.3,   -0.3,   0.0);   (487582.1,
3615195.3,   -0.3,   -0.3,   0.0);
     (487575.5, 3615172.5,   -0.3,   -0.3,   0.0);   (487568.9,
3615149.6,   -0.3,   -0.3,   0.0);
     (487562.2, 3615126.7,   -0.3,   -0.3,   0.0);   (487555.6,
3615103.9,   -0.3,   -0.3,   0.0);
     (487549.0, 3615081.0,   -0.3,   -0.3,   0.0);   (487542.3,
3615058.1,   -0.3,   -0.3,   0.0);
     (487535.7, 3615035.2,   -0.3,   -0.3,   0.0);   (487529.1,
3615012.4,   -0.3,   -0.3,   0.0);
     (487522.4, 3614989.5,   -0.3,   -0.3,   0.0);   (487515.8,
3614966.6,   -0.3,   -0.3,   0.0);
     (487509.2, 3614943.8,   -0.3,   -0.3,   0.0);   (487502.5,
3614920.9,   -0.3,   -0.3,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (487495.9, 3614898.0,   -0.3,   -0.3,   0.0);   (487489.3,
3614875.1,   -0.3,   -0.3,   0.0);
     (487482.6, 3614852.3,   -0.3,   -0.3,   0.0);   (487476.0,
3614829.4,   -0.3,   -0.3,   0.0);
     (487469.4, 3614806.5,   -0.3,   -0.3,   0.0);   (487462.7,
3614783.7,   -0.3,   -0.3,   0.0);
     (487456.1, 3614760.8,   -0.3,   -0.3,   0.0);   (487449.5,
3614737.9,   -0.3,   -0.3,   0.0);
     (487442.8, 3614715.1,   -0.3,   -0.3,   0.0);   (487436.2,
3614692.2,   -0.3,   -0.3,   0.0);
     (487429.6, 3614669.3,   -0.3,   -0.3,   0.0);   (487422.9,
3614646.4,   -0.3,   -0.3,   0.0);
     (487416.3, 3614623.6,   -0.3,   -0.3,   0.0);   (487409.7,

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3614600.7,      -0.3,      -0.3,       0.0);
     ( 487403.0, 3614577.8,      -0.3,      -0.3,       0.0);         ( 487396.4,
3614555.0,      -0.3,      -0.3,       0.0);
     ( 487389.8, 3614532.1,      -0.3,      -0.3,       0.0);         ( 487383.1,
3614509.2,      -0.3,      -0.3,       0.0);
     ( 487376.5, 3614486.3,      -0.3,      -0.3,       0.0);         ( 487369.9,
3614463.5,      -0.3,      -0.3,       0.0);
     ( 487363.2, 3614440.6,      -0.3,      -0.3,       0.0);         ( 487356.6,
3614417.7,      -0.3,      -0.3,       0.0);
     ( 487350.0, 3614394.9,      -0.3,      -0.3,       0.0);         ( 487343.3,
3614372.0,      -0.3,      -0.3,       0.0);
     ( 487336.7, 3614349.1,      -0.3,      -0.3,       0.0);         ( 487330.0,
3614326.3,      -0.3,      -0.3,       0.0);
     ( 487323.4, 3614303.4,      -0.3,      -0.3,       0.0);         ( 487316.8,
3614280.5,      -0.3,      -0.3,       0.0);
     ( 487310.1, 3614257.6,      -0.3,      -0.3,       0.0);         ( 487303.5,
3614234.8,      -0.3,      -0.3,       0.0);
     ( 487296.9, 3614211.9,      -0.3,      -0.3,       0.0);         ( 487290.2,
3614189.0,      -0.3,      -0.3,       0.0);
     ( 487283.6, 3614166.2,      -0.3,      -0.3,       0.0);         ( 487277.0,
3614143.3,      -0.3,      -0.3,       0.0);
     ( 487270.3, 3614120.4,      -0.3,      -0.3,       0.0);         ( 488859.9,
3616087.4,       4.5,       4.5,       0.0);
     ( 488883.9, 3616090.0,       4.5,       4.5,       0.0);         ( 488908.0,
3616092.6,       4.6,       4.6,       0.0);
     ( 488932.0, 3616095.2,       4.6,       4.6,       0.0);         ( 488795.9,
3616473.5,       5.4,       5.4,       0.0);
     ( 488774.8, 3616461.9,       5.5,       5.5,       0.0);         ( 488753.6,
3616450.4,       5.8,       5.8,       0.0);
     ( 488732.5, 3616438.8,       5.7,       5.7,       0.0);         ( 488711.3,
3616427.2,       6.1,       6.1,       0.0);
     ( 488690.2, 3616415.6,       5.7,       5.7,       0.0);         ( 488669.0,
3616404.0,       5.6,       5.6,       0.0);
     ( 488647.9, 3616392.4,       5.5,       5.5,       0.0);         ( 488626.7,
3616380.9,       5.6,       5.6,       0.0);
     ( 488605.6, 3616369.3,       5.6,       5.6,       0.0);         ( 488584.4,
3616357.7,       5.4,       5.4,       0.0);
     ( 488563.3, 3616346.1,       5.0,       5.0,       0.0);         ( 488542.1,
3616334.5,       4.6,       4.6,       0.0);
     ( 488521.0, 3616322.9,       4.1,       4.1,       0.0);         ( 488499.8,
3616311.4,       5.3,       5.3,       0.0);
     ( 488478.7, 3616299.8,       6.5,       6.5,       0.0);         ( 488457.5,
3616288.2,       6.7,       6.7,       0.0);
     ( 488436.4, 3616276.6,       6.5,       6.5,       0.0);         ( 488415.2,
3616265.0,       6.2,       6.2,       0.0);
     ( 488394.0, 3616253.4,       5.9,       5.9,       0.0);         ( 488372.9,
3616241.9,       5.6,       5.6,       0.0);
     ( 488351.8, 3616230.3,       5.2,       5.2,       0.0);         ( 488330.6,
3616218.7,       4.9,       4.9,       0.0);
     ( 488309.4, 3616207.1,       4.5,       4.5,       0.0);         ( 488288.3,
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3616195.5,   4.0,   4.0,   0.0);
     (488267.1, 3616184.0,   3.4,   3.4,   0.0);   (488246.0,
3616172.4,   3.2,   3.2,   0.0);
     (488224.8, 3616160.8,   3.0,   3.0,   0.0);   (488203.7,
3616149.2,   2.8,   2.8,   0.0);
     (488182.5, 3616137.6,   2.9,   2.9,   0.0);   (488161.4,
3616126.0,   3.0,   3.0,   0.0);
     (488140.2, 3616114.5,   2.9,   2.9,   0.0);   (488119.1,
3616102.9,   2.9,   2.9,   0.0);
     (488097.9, 3616091.3,   2.9,   2.9,   0.0);   (488076.8,
3616079.7,   1.7,   2.9,   0.0);
     (488055.6, 3616068.1,   -0.2,   -0.2,   0.0);   (488034.5,
3616056.5,   -0.2,   -0.2,   0.0);
     (488013.3, 3616045.0,   -0.2,   -0.2,   0.0);   (487992.2,
3616033.4,   -0.2,   -0.2,   0.0);
     (487971.0, 3616021.8,   -0.2,   -0.2,   0.0);   (487949.9,
3616010.2,   -0.2,   -0.2,   0.0);
     (487928.7, 3615998.6,   -0.2,   -0.2,   0.0);   (487907.6,
3615987.1,   -0.2,   -0.2,   0.0);
     (487886.4, 3615975.5,   -0.2,   -0.2,   0.0);   (487865.2,
3615963.9,   -0.2,   -0.2,   0.0);
     (487844.1, 3615952.3,   -0.2,   -0.2,   0.0);   (487823.0,
3615940.7,   -0.2,   -0.2,   0.0);
     (487801.8, 3615929.1,   -0.2,   -0.2,   0.0);   (487780.6,
3615917.6,   -0.2,   -0.2,   0.0);
     (487759.5, 3615906.0,   -0.2,   -0.2,   0.0);   (487738.3,
3615894.4,   -0.2,   -0.2,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (487717.2, 3615882.8,   -0.2,   -0.2,   0.0);   (487696.0,
3615871.2,   -0.2,   -0.2,   0.0);
     (487674.9, 3615859.6,   -0.3,   -0.3,   0.0);   (487653.7,
3615848.1,   -0.3,   -0.3,   0.0);
     (487632.6, 3615836.5,   -0.3,   -0.3,   0.0);   (487611.4,
3615824.9,   -0.3,   -0.3,   0.0);
     (487590.3, 3615813.3,   -0.3,   -0.3,   0.0);   (487569.1,
3615801.7,   -0.3,   -0.3,   0.0);
     (487548.0, 3615790.2,   -0.3,   -0.3,   0.0);   (487526.8,
3615778.6,   -0.3,   -0.3,   0.0);
     (487505.7, 3615767.0,   -0.3,   -0.3,   0.0);   (487484.5,

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3615755.4,      -0.3,      -0.3,       0.0);
     ( 487463.4, 3615743.8,      -0.3,      -0.3,       0.0);         ( 487442.2,
3615732.2,      -0.3,      -0.3,       0.0);
     ( 487421.1, 3615720.7,      -0.3,      -0.3,       0.0);         ( 487399.9,
3615709.1,      -0.3,      -0.3,       0.0);
     ( 487378.8, 3615697.5,      -0.3,      -0.3,       0.0);         ( 487357.6,
3615685.9,      -0.3,      -0.3,       0.0);
     ( 487329.7, 3615651.2,      -0.3,      -0.3,       0.0);         ( 487323.0,
3615628.0,      -0.3,      -0.3,       0.0);
     ( 487316.3, 3615604.8,      -0.3,      -0.3,       0.0);         ( 487309.6,
3615581.7,      -0.3,      -0.3,       0.0);
     ( 487302.9, 3615558.5,      -0.3,      -0.3,       0.0);         ( 487296.1,
3615535.4,      -0.3,      -0.3,       0.0);
     ( 487289.4, 3615512.2,      -0.3,      -0.3,       0.0);         ( 487282.7,
3615489.0,      -0.3,      -0.3,       0.0);
     ( 487276.0, 3615465.9,      -0.3,      -0.3,       0.0);         ( 487269.3,
3615442.7,      -0.3,      -0.3,       0.0);
     ( 487262.5, 3615419.6,      -0.3,      -0.3,       0.0);         ( 487255.8,
3615396.4,      -0.3,      -0.3,       0.0);
     ( 487249.1, 3615373.2,      -0.3,      -0.3,       0.0);         ( 487242.4,
3615350.1,      -0.3,      -0.3,       0.0);
     ( 487235.7, 3615326.9,      -0.3,      -0.3,       0.0);         ( 487229.0,
3615303.8,      -0.3,      -0.3,       0.0);
     ( 487222.2, 3615280.6,      -0.3,      -0.3,       0.0);         ( 487215.5,
3615257.4,      -0.3,      -0.3,       0.0);
     ( 487208.8, 3615234.3,      -0.3,      -0.3,       0.0);         ( 487202.1,
3615211.1,      -0.3,      -0.3,       0.0);
     ( 487195.4, 3615187.9,      -0.3,      -0.3,       0.0);         ( 487188.7,
3615164.8,      -0.3,      -0.3,       0.0);
     ( 487181.9, 3615141.6,      -0.3,      -0.3,       0.0);         ( 487175.2,
3615118.5,      -0.3,      -0.3,       0.0);
     ( 487168.5, 3615095.3,      -0.3,      -0.3,       0.0);         ( 487161.8,
3615072.1,      -0.3,      -0.3,       0.0);
     ( 487155.1, 3615049.0,      -0.3,      -0.3,       0.0);         ( 487148.3,
3615025.8,      -0.3,      -0.3,       0.0);
     ( 487141.6, 3615002.7,      -0.3,      -0.3,       0.0);         ( 487134.9,
3614979.5,      -0.3,      -0.3,       0.0);
     ( 487128.2, 3614956.3,      -0.3,      -0.3,       0.0);         ( 487121.5,
3614933.2,      -0.3,      -0.3,       0.0);
     ( 487114.8, 3614910.0,      -0.3,      -0.3,       0.0);         ( 487108.0,
3614886.9,      -0.3,      -0.3,       0.0);
     ( 487101.3, 3614863.7,      -0.3,      -0.3,       0.0);         ( 487094.6,
3614840.5,      -0.3,      -0.3,       0.0);
     ( 487087.9, 3614817.4,      -0.3,      -0.3,       0.0);         ( 487081.2,
3614794.2,      -0.3,      -0.3,       0.0);
     ( 487074.5, 3614771.1,      -0.3,      -0.3,       0.0);         ( 487067.7,
3614747.9,      -0.3,      -0.3,       0.0);
     ( 487061.0, 3614724.7,      -0.3,      -0.3,       0.0);         ( 487054.3,
3614701.6,      -0.3,      -0.3,       0.0);
     ( 487047.6, 3614678.4,      -0.3,      -0.3,       0.0);         ( 487040.9,
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3614655.2,   -0.3,   -0.3,   0.0);
     (487034.1, 3614632.1,   -0.3,   -0.3,   0.0);   (487027.4,
3614608.9,   -0.3,   -0.3,   0.0);
     (487020.7, 3614585.8,   -0.3,   -0.3,   0.0);   (487014.0,
3614562.6,   -0.3,   -0.3,   0.0);
     (487007.3, 3614539.4,   -0.3,   -0.3,   0.0);   (487000.6,
3614516.3,   -0.3,   -0.3,   0.0);
     (486993.8, 3614493.1,   -0.3,   -0.3,   0.0);   (486987.1,
3614470.0,   -0.3,   -0.3,   0.0);
     (486980.4, 3614446.8,   -0.3,   -0.3,   0.0);   (486973.7,
3614423.6,   -0.3,   -0.3,   0.0);
     (486967.0, 3614400.5,   -0.3,   -0.3,   0.0);   (486960.2,
3614377.3,   -0.3,   -0.3,   0.0);
     (486953.5, 3614354.2,   -0.3,   -0.3,   0.0);   (486946.8,
3614331.0,   -0.3,   -0.3,   0.0);
     (486940.1, 3614307.8,   -0.3,   -0.3,   0.0);   (486933.4,
3614284.7,   -0.3,   -0.3,   0.0);
     (486926.7, 3614261.5,   -0.3,   -0.3,   0.0);   (486919.9,
3614238.3,   -0.3,   -0.3,   0.0);
     (486913.2, 3614215.2,   -0.3,   -0.3,   0.0);   (486906.5,
3614192.0,   -0.3,   -0.3,   0.0);
     (486899.8, 3614168.9,   -0.3,   -0.3,   0.0);   (486893.1,
3614145.7,   -0.3,   -0.3,   0.0);
     (486886.3, 3614122.5,   -0.3,   -0.3,   0.0);   (486879.6,
3614099.4,   -0.3,   -0.3,   0.0);
     (486872.9, 3614076.2,   -0.3,   -0.3,   0.0);   (488817.1,
3616485.1,   5.6,   5.6,   0.0);
     (488841.1, 3616487.7,   5.4,   5.4,   0.0);   (488865.2,
3616490.3,   5.5,   5.5,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (488889.2, 3616492.9,   5.6,   5.6,   0.0);   (488913.2,
3616495.4,   5.6,   5.6,   0.0);
     (488753.2, 3616871.3,   4.4,   4.4,   0.0);   (488732.1,
3616859.7,   4.2,   4.2,   0.0);
     (488711.0, 3616848.2,   4.0,   4.0,   0.0);   (488690.0,
3616836.6,   4.2,   4.2,   0.0);
     (488668.9, 3616825.1,   3.9,   3.9,   0.0);   (488647.8,
3616813.5,   3.8,   3.8,   0.0);
     (488626.7, 3616802.0,   4.3,   4.3,   0.0);   (488605.6,

```
3616790.4,       4.8,       4.8,       0.0);
     ( 488584.5, 3616778.9,       5.1,       5.1,       0.0);         ( 488563.5,
3616767.4,       5.3,       5.3,       0.0);
     ( 488542.4, 3616755.8,       5.4,       5.4,       0.0);         ( 488521.3,
3616744.3,       5.4,       5.4,       0.0);
     ( 488500.2, 3616732.7,       5.3,       5.3,       0.0);         ( 488479.1,
3616721.2,       5.1,       5.1,       0.0);
     ( 488458.0, 3616709.6,       4.9,       4.9,       0.0);         ( 488437.0,
3616698.1,       4.8,       4.8,       0.0);
     ( 488415.9, 3616686.5,       4.7,       4.7,       0.0);         ( 488394.8,
3616675.0,       4.2,       4.2,       0.0);
     ( 488373.7, 3616663.5,       4.1,       4.1,       0.0);         ( 488352.6,
3616651.9,       3.9,       3.9,       0.0);
     ( 488331.5, 3616640.4,       3.8,       3.8,       0.0);         ( 488310.5,
3616628.8,       4.0,       4.0,       0.0);
     ( 488289.4, 3616617.3,       4.1,       4.1,       0.0);         ( 488268.3,
3616605.7,       4.3,       4.3,       0.0);
     ( 488247.2, 3616594.2,       4.0,       4.0,       0.0);         ( 488226.1,
3616582.6,       3.9,       3.9,       0.0);
     ( 488205.0, 3616571.1,       3.9,       3.9,       0.0);         ( 488184.0,
3616559.6,       4.1,       4.1,       0.0);
     ( 488162.9, 3616548.0,       4.0,       4.0,       0.0);         ( 488141.8,
3616536.5,       4.2,       4.2,       0.0);
     ( 488120.7, 3616524.9,       4.1,       4.1,       0.0);         ( 488099.6,
3616513.4,       4.3,       4.3,       0.0);
     ( 488078.6, 3616501.8,       4.3,       4.3,       0.0);         ( 488057.5,
3616490.3,       4.4,       4.4,       0.0);
     ( 488036.4, 3616478.8,       4.4,       4.4,       0.0);         ( 488015.3,
3616467.2,       4.3,       4.3,       0.0);
     ( 487994.2, 3616455.7,       4.1,       4.1,       0.0);         ( 487973.1,
3616444.1,       4.2,       4.2,       0.0);
     ( 487952.1, 3616432.6,       4.3,       4.3,       0.0);         ( 487931.0,
3616421.0,       4.5,       4.5,       0.0);
     ( 487909.9, 3616409.5,       4.2,       4.2,       0.0);         ( 487888.8,
3616397.9,       4.1,       4.1,       0.0);
     ( 487867.7, 3616386.4,       4.1,       4.1,       0.0);         ( 487846.6,
3616374.8,       4.1,       4.1,       0.0);
     ( 487825.6, 3616363.3,       4.2,       4.2,       0.0);         ( 487804.5,
3616351.8,       4.2,       4.2,       0.0);
     ( 487783.4, 3616340.2,       4.2,       4.2,       0.0);         ( 487762.3,
3616328.7,       4.0,       4.0,       0.0);
     ( 487741.2, 3616317.1,       3.3,       3.3,       0.0);         ( 487720.2,
3616305.6,       0.7,       3.4,       0.0);
     ( 487699.1, 3616294.0,      -0.2,      -0.2,       0.0);         ( 487678.0,
3616282.5,      -0.2,      -0.2,       0.0);
     ( 487656.9, 3616270.9,      -0.2,      -0.2,       0.0);         ( 487635.8,
3616259.4,      -0.2,      -0.2,       0.0);
     ( 487614.7, 3616247.9,      -0.2,      -0.2,       0.0);         ( 487593.7,
3616236.3,      -0.3,      -0.3,       0.0);
     ( 487572.6, 3616224.8,      -0.3,      -0.3,       0.0);         ( 487551.5,
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3616213.2,   -0.3,   -0.3,   0.0);
     (487530.4, 3616201.7,   -0.3,   -0.3,   0.0);   (487509.3,
3616190.1,   -0.3,   -0.3,   0.0);
     (487488.2, 3616178.6,   -0.3,   -0.3,   0.0);   (487467.2,
3616167.0,   -0.3,   -0.3,   0.0);
     (487446.1, 3616155.5,   -0.3,   -0.3,   0.0);   (487425.0,
3616144.0,   -0.3,   -0.3,   0.0);
     (487403.9, 3616132.4,   -0.3,   -0.3,   0.0);   (487382.8,
3616120.9,   -0.3,   -0.3,   0.0);
     (487361.8, 3616109.3,   -0.3,   -0.3,   0.0);   (487340.7,
3616097.8,   -0.3,   -0.3,   0.0);
     (487319.6, 3616086.2,   -0.3,   -0.3,   0.0);   (487298.5,
3616074.7,   -0.3,   -0.3,   0.0);
     (487277.4, 3616063.1,   -0.3,   -0.3,   0.0);   (487256.3,
3616051.6,   -0.3,   -0.3,   0.0);
     (487235.3, 3616040.1,   -0.3,   -0.3,   0.0);   (487214.2,
3616028.5,   -0.3,   -0.3,   0.0);
     (487193.1, 3616017.0,   -0.3,   -0.3,   0.0);   (487172.0,
3616005.4,   -0.3,   -0.3,   0.0);
     (487150.9, 3615993.9,   -0.3,   -0.3,   0.0);   (487129.8,
3615982.3,   -0.3,   -0.3,   0.0);
     (487108.8, 3615970.8,   -0.3,   -0.3,   0.0);   (487087.7,
3615959.3,   -0.3,   -0.3,   0.0);
     (487066.6, 3615947.7,   -0.3,   -0.3,   0.0);   (487045.5,
3615936.2,   -0.3,   -0.3,   0.0);
     (487017.7, 3615901.5,   -0.3,   -0.3,   0.0);   (487011.0,
3615878.4,   -0.3,   -0.3,   0.0);
     (487004.3, 3615855.4,   -0.3,   -0.3,   0.0);   (486997.6,
3615832.3,   -0.3,   -0.3,   0.0);
     (486991.0, 3615809.2,   -0.3,   -0.3,   0.0);   (486984.3,
3615786.1,   -0.3,   -0.3,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (486977.6, 3615763.0,   -0.3,   -0.3,   0.0);   (486970.9,
3615739.9,   -0.3,   -0.3,   0.0);
     (486964.2, 3615716.9,   -0.3,   -0.3,   0.0);   (486957.5,
3615693.8,   -0.3,   -0.3,   0.0);
     (486950.8, 3615670.7,   -0.3,   -0.3,   0.0);   (486944.1,
3615647.6,   -0.3,   -0.3,   0.0);
     (486937.4, 3615624.5,   -0.3,   -0.3,   0.0);   (486930.7,

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3615601.4,      -0.3,      -0.3,       0.0);
     ( 486924.0, 3615578.3,      -0.3,      -0.3,       0.0);         ( 486917.3,
3615555.3,      -0.3,      -0.3,       0.0);
     ( 486910.6, 3615532.2,      -0.3,      -0.3,       0.0);         ( 486903.9,
3615509.1,      -0.3,      -0.3,       0.0);
     ( 486897.2, 3615486.0,      -0.3,      -0.3,       0.0);         ( 486890.5,
3615462.9,      -0.3,      -0.3,       0.0);
     ( 486883.8, 3615439.8,      -0.3,      -0.3,       0.0);         ( 486877.1,
3615416.8,      -0.3,      -0.3,       0.0);
     ( 486870.4, 3615393.7,      -0.3,      -0.3,       0.0);         ( 486863.7,
3615370.6,      -0.3,      -0.3,       0.0);
     ( 486857.0, 3615347.5,      -0.3,      -0.3,       0.0);         ( 486850.3,
3615324.4,      -0.3,      -0.3,       0.0);
     ( 486843.6, 3615301.3,      -0.3,      -0.3,       0.0);         ( 486837.0,
3615278.2,      -0.3,      -0.3,       0.0);
     ( 486830.2, 3615255.2,      -0.3,      -0.3,       0.0);         ( 486823.6,
3615232.1,      -0.3,      -0.3,       0.0);
     ( 486816.9, 3615209.0,      -0.3,      -0.3,       0.0);         ( 486810.2,
3615185.9,      -0.3,      -0.3,       0.0);
     ( 486803.5, 3615162.8,      -0.3,      -0.3,       0.0);         ( 486796.8,
3615139.7,      -0.3,      -0.3,       0.0);
     ( 486790.1, 3615116.6,      -0.3,      -0.3,       0.0);         ( 486783.4,
3615093.6,      -0.3,      -0.3,       0.0);
     ( 486776.7, 3615070.5,      -0.3,      -0.3,       0.0);         ( 486770.0,
3615047.4,      -0.3,      -0.3,       0.0);
     ( 486763.3, 3615024.3,      -0.3,      -0.3,       0.0);         ( 486756.6,
3615001.2,      -0.3,      -0.3,       0.0);
     ( 486749.9, 3614978.1,      -0.2,      -0.2,       0.0);         ( 486743.2,
3614955.1,      -0.1,      -0.1,       0.0);
     ( 486736.5, 3614932.0,       0.0,       0.0,       0.0);         ( 486729.8,
3614908.9,       0.1,       0.1,       0.0);
     ( 486723.1, 3614885.8,       0.3,       0.3,       0.0);         ( 486716.4,
3614862.7,       0.4,       0.4,       0.0);
     ( 486709.7, 3614839.6,       0.5,       0.5,       0.0);         ( 486703.0,
3614816.5,       0.6,       0.6,       0.0);
     ( 486696.3, 3614793.5,       0.6,       0.6,       0.0);         ( 486689.6,
3614770.4,       0.6,       0.6,       0.0);
     ( 486683.0, 3614747.3,       0.6,       0.6,       0.0);         ( 486676.2,
3614724.2,       0.6,       0.6,       0.0);
     ( 486669.5, 3614701.1,       0.6,       0.6,       0.0);         ( 486662.9,
3614678.0,       0.6,       0.6,       0.0);
     ( 486656.2, 3614655.0,       0.6,       0.6,       0.0);         ( 486649.5,
3614631.9,       0.6,       0.6,       0.0);
     ( 486642.8, 3614608.8,       0.6,       0.6,       0.0);         ( 486636.1,
3614585.7,       0.6,       0.6,       0.0);
     ( 486629.4, 3614562.6,       0.6,       0.6,       0.0);         ( 486622.7,
3614539.5,       0.6,       0.6,       0.0);
     ( 486616.0, 3614516.4,       0.6,       0.6,       0.0);         ( 486609.3,
3614493.4,       0.6,       0.6,       0.0);
     ( 486602.6, 3614470.3,       0.6,       0.6,       0.0);         ( 486595.9,
```

3614447.2,   0.6,   0.6,   0.0);
     (486589.2, 3614424.1,   0.6,   0.6,   0.0);   (486582.5,
3614401.0,   0.6,   0.6,   0.0);
     (486575.8, 3614377.9,   0.6,   0.6,   0.0);   (486569.1,
3614354.8,   0.6,   0.6,   0.0);
     (486562.4, 3614331.8,   0.6,   0.6,   0.0);   (486555.7,
3614308.7,   0.6,   0.6,   0.0);
     (486549.0, 3614285.6,   0.6,   0.6,   0.0);   (486542.3,
3614262.5,   0.6,   0.6,   0.0);
     (486535.6, 3614239.4,   0.6,   0.6,   0.0);   (486528.9,
3614216.3,   0.6,   0.6,   0.0);
     (486522.2, 3614193.3,   0.6,   0.6,   0.0);   (486515.5,
3614170.2,   0.6,   0.6,   0.0);
     (486508.8, 3614147.1,   0.6,   0.6,   0.0);   (486502.2,
3614124.0,   0.6,   0.6,   0.0);
     (486495.5, 3614100.9,   0.6,   0.6,   0.0);   (486488.8,
3614077.8,   0.6,   0.6,   0.0);
     (486482.1, 3614054.8,   0.6,   0.6,   0.0);   (486475.4,
3614031.7,   0.6,   0.6,   0.0);
     (488774.3, 3616882.8,   4.6,   4.6,   0.0);   (488798.3,
3616885.4,   5.1,   5.1,   0.0);
     (488822.4, 3616888.0,   5.4,   5.4,   0.0);   (488846.4,
3616890.6,   5.4,   5.4,   0.0);
     (488870.4, 3616893.2,   5.2,   5.2,   0.0);   (488710.4,
3617269.0,   11.2,   11.2,   0.0);
     (488689.4, 3617257.5,   11.8,   15.7,   0.0);   (488668.4,
3617246.0,   14.8,   14.8,   0.0);
     (488647.3, 3617234.4,   15.4,   15.4,   0.0);   (488626.3,
3617222.9,   15.0,   15.0,   0.0);
     (488605.3, 3617211.4,   14.0,   14.0,   0.0);   (488584.2,
3617199.9,   9.2,   15.2,   0.0);
     (488563.2, 3617188.4,   8.8,   14.9,   0.0);   (488542.2,
3617176.9,   7.7,   7.7,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (488521.1, 3617165.3,   7.2,   9.2,   0.0);   (488500.1,
3617153.8,   3.8,   9.7,   0.0);
     (488479.1, 3617142.3,   3.6,   9.8,   0.0);   (488458.1,
3617130.8,   1.4,   15.0,   0.0);
     (488437.0, 3617119.3,   2.9,   15.0,   0.0);   (488416.0,

```
3617107.8,       3.7,      14.6,       0.0);
     ( 488395.0, 3617096.2,       6.1,       6.1,       0.0);         ( 488373.9,
3617084.7,       5.9,       5.9,       0.0);
     ( 488352.9, 3617073.2,       5.8,       5.8,       0.0);         ( 488331.9,
3617061.7,       6.5,       6.5,       0.0);
     ( 488310.8, 3617050.2,       7.5,       7.5,       0.0);         ( 488289.8,
3617038.7,       8.8,       8.8,       0.0);
     ( 488268.8, 3617027.1,       9.9,       9.9,       0.0);         ( 488247.7,
3617015.6,       9.2,       9.2,       0.0);
     ( 488226.7, 3617004.1,       8.5,       8.5,       0.0);         ( 488205.7,
3616992.6,       7.0,       7.0,       0.0);
     ( 488184.6, 3616981.1,       5.9,       5.9,       0.0);         ( 488163.6,
3616969.6,       5.5,       5.5,       0.0);
     ( 488142.6, 3616958.0,       5.3,       5.3,       0.0);         ( 488121.5,
3616946.5,       5.1,       5.1,       0.0);
     ( 488100.5, 3616935.0,       5.1,       5.1,       0.0);         ( 488079.5,
3616923.5,       5.4,       5.4,       0.0);
     ( 488058.5, 3616912.0,       5.7,       5.7,       0.0);         ( 488037.4,
3616900.5,       6.0,       6.0,       0.0);
     ( 488016.4, 3616888.9,       6.0,       6.0,       0.0);         ( 487995.4,
3616877.4,       5.8,       5.8,       0.0);
     ( 487974.3, 3616865.9,       5.3,       5.3,       0.0);         ( 487953.3,
3616854.4,       4.9,       4.9,       0.0);
     ( 487932.3, 3616842.9,       4.7,       4.7,       0.0);         ( 487911.2,
3616831.4,       3.9,       3.9,       0.0);
     ( 487890.2, 3616819.8,       3.0,       3.0,       0.0);         ( 487869.2,
3616808.3,       3.1,       3.1,       0.0);
     ( 487848.1, 3616796.8,       3.8,       3.8,       0.0);         ( 487827.1,
3616785.3,       3.8,       3.8,       0.0);
     ( 487806.1, 3616773.8,       3.6,       3.6,       0.0);         ( 487785.0,
3616762.3,       3.5,       3.5,       0.0);
     ( 487764.0, 3616750.7,       3.5,       3.5,       0.0);         ( 487743.0,
3616739.2,       3.5,       3.5,       0.0);
     ( 487721.9, 3616727.7,       3.5,       3.5,       0.0);         ( 487700.9,
3616716.2,       3.4,       3.4,       0.0);
     ( 487679.9, 3616704.7,       3.4,       3.4,       0.0);         ( 487658.8,
3616693.2,       2.8,       2.8,       0.0);
     ( 487637.8, 3616681.6,       1.4,       3.3,       0.0);         ( 487616.8,
3616670.1,       0.1,       3.3,       0.0);
     ( 487595.8, 3616658.6,      -0.3,      -0.3,       0.0);         ( 487574.7,
3616647.1,      -0.3,      -0.3,       0.0);
     ( 487553.7, 3616635.6,      -0.2,       3.8,       0.0);         ( 487532.7,
3616624.1,       1.1,       3.5,       0.0);
     ( 487511.6, 3616612.5,       1.5,       2.2,       0.0);         ( 487490.6,
3616601.0,      -0.0,      -0.0,       0.0);
     ( 487469.6, 3616589.5,      -0.3,      -0.3,       0.0);         ( 487448.5,
3616578.0,      -0.3,      -0.3,       0.0);
     ( 487427.5, 3616566.5,      -0.3,      -0.3,       0.0);         ( 487406.5,
3616555.0,      -0.3,      -0.3,       0.0);
     ( 487385.4, 3616543.4,      -0.3,      -0.3,       0.0);         ( 487364.4,
```

3616531.9,   -0.3,   -0.3,   0.0);
     (487343.4, 3616520.4,   -0.3,   -0.3,   0.0);   (487322.3,
3616508.9,   -0.3,   -0.3,   0.0);
     (487301.3, 3616497.4,   -0.3,   -0.3,   0.0);   (487280.3,
3616485.9,   -0.3,   -0.3,   0.0);
     (487259.2, 3616474.3,   -0.3,   -0.3,   0.0);   (487238.2,
3616462.8,   -0.3,   -0.3,   0.0);
     (487217.2, 3616451.3,   -0.3,   -0.3,   0.0);   (487196.1,
3616439.8,   -0.3,   -0.3,   0.0);
     (487175.1, 3616428.3,   -0.3,   -0.3,   0.0);   (487154.1,
3616416.8,   -0.3,   -0.3,   0.0);
     (487133.0, 3616405.2,   -0.3,   -0.3,   0.0);   (487112.0,
3616393.7,   -0.3,   -0.3,   0.0);
     (487091.0, 3616382.2,   -0.3,   -0.3,   0.0);   (487070.0,
3616370.7,   -0.3,   -0.3,   0.0);
     (487048.9, 3616359.2,   -0.3,   -0.3,   0.0);   (487027.9,
3616347.7,   -0.3,   -0.3,   0.0);
     (487006.9, 3616336.1,   -0.3,   -0.3,   0.0);   (486985.8,
3616324.6,   -0.3,   -0.3,   0.0);
     (486964.8, 3616313.1,   -0.3,   -0.3,   0.0);   (486943.8,
3616301.6,   -0.3,   -0.3,   0.0);
     (486922.7, 3616290.1,   -0.3,   -0.3,   0.0);   (486901.7,
3616278.6,   -0.3,   -0.3,   0.0);
     (486880.7, 3616267.0,   -0.3,   -0.3,   0.0);   (486859.6,
3616255.5,   -0.3,   -0.3,   0.0);
     (486838.6, 3616244.0,   -0.3,   -0.3,   0.0);   (486817.6,
3616232.5,   -0.3,   -0.3,   0.0);
     (486796.5, 3616221.0,   -0.3,   -0.3,   0.0);   (486775.5,
3616209.5,   -0.3,   -0.3,   0.0);
     (486754.5, 3616197.9,   -0.2,   -0.2,   0.0);   (486733.5,
3616186.4,   0.6,   0.6,   0.0);
     (486705.7, 3616151.9,   0.6,   0.6,   0.0);   (486699.1,
3616128.8,   0.6,   0.6,   0.0);
     (486692.4, 3616105.8,   0.6,   0.6,   0.0);   (486685.7,
3616082.8,   0.6,   0.6,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (486679.0, 3616059.8,   0.6,   0.6,   0.0);   (486672.3,
3616036.7,   0.6,   0.6,   0.0);
     (486665.7, 3616013.7,   0.6,   0.6,   0.0);   (486659.0,

3615990.7,   0.6,   0.6,   0.0);
     (486652.3, 3615967.6,   0.6,   0.6,   0.0);   (486645.6,
3615944.6,   0.6,   0.6,   0.0);
     (486638.9, 3615921.6,   0.6,   0.6,   0.0);   (486632.3,
3615898.6,   0.6,   0.6,   0.0);
     (486625.6, 3615875.5,   0.6,   0.6,   0.0);   (486618.9,
3615852.5,   0.6,   0.6,   0.0);
     (486612.2, 3615829.5,   0.6,   0.6,   0.0);   (486605.5,
3615806.4,   0.6,   0.6,   0.0);
     (486598.9, 3615783.4,   0.6,   0.6,   0.0);   (486592.2,
3615760.4,   0.6,   0.6,   0.0);
     (486585.5, 3615737.3,   0.6,   0.6,   0.0);   (486578.8,
3615714.3,   0.6,   0.6,   0.0);
     (486572.1, 3615691.3,   0.6,   0.6,   0.0);   (486565.5,
3615668.3,   0.6,   0.6,   0.0);
     (486558.8, 3615645.2,   0.6,   0.6,   0.0);   (486552.1,
3615622.2,   0.6,   0.6,   0.0);
     (486545.4, 3615599.2,   0.6,   0.6,   0.0);   (486538.7,
3615576.1,   0.6,   0.6,   0.0);
     (486532.1, 3615553.1,   0.6,   0.6,   0.0);   (486525.4,
3615530.1,   0.6,   0.6,   0.0);
     (486518.7, 3615507.1,   0.6,   0.6,   0.0);   (486512.0,
3615484.0,   0.6,   0.6,   0.0);
     (486505.3, 3615461.0,   0.6,   0.6,   0.0);   (486498.7,
3615438.0,   0.6,   0.6,   0.0);
     (486492.0, 3615414.9,   0.6,   0.6,   0.0);   (486485.3,
3615391.9,   0.6,   0.6,   0.0);
     (486478.6, 3615368.9,   0.6,   0.6,   0.0);   (486472.0,
3615345.8,   0.6,   0.6,   0.0);
     (486465.3, 3615322.8,   0.6,   0.6,   0.0);   (486458.6,
3615299.8,   0.6,   0.6,   0.0);
     (486451.9, 3615276.8,   0.6,   0.6,   0.0);   (486445.2,
3615253.7,   0.6,   0.6,   0.0);
     (486438.5, 3615230.7,   0.6,   0.6,   0.0);   (486431.9,
3615207.7,   0.6,   0.6,   0.0);
     (486425.2, 3615184.6,   0.6,   0.6,   0.0);   (486418.5,
3615161.6,   0.6,   0.6,   0.0);
     (486411.8, 3615138.6,   0.6,   0.6,   0.0);   (486405.1,
3615115.6,   0.6,   0.6,   0.0);
     (486398.5, 3615092.5,   0.6,   0.6,   0.0);   (486391.8,
3615069.5,   0.6,   0.6,   0.0);
     (486385.1, 3615046.5,   0.6,   0.6,   0.0);   (486378.4,
3615023.4,   0.6,   0.6,   0.0);
     (486371.8, 3615000.4,   0.5,   0.5,   0.0);   (486365.1,
3614977.4,   0.5,   0.5,   0.0);
     (486358.4, 3614954.4,   0.5,   0.5,   0.0);   (486351.7,
3614931.3,   0.5,   0.5,   0.0);
     (486345.0, 3614908.3,   0.5,   0.5,   0.0);   (486338.3,
3614885.3,   0.5,   0.5,   0.0);
     (486331.7, 3614862.2,   0.5,   0.5,   0.0);   (486325.0,

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3614839.2,       0.5,       0.5,       0.0);
     ( 486318.3, 3614816.2,       0.5,       0.5,       0.0);         ( 486311.6,
3614793.1,       0.5,       0.5,       0.0);
     ( 486305.0, 3614770.1,       0.5,       0.5,       0.0);         ( 486298.3,
3614747.1,       0.5,       0.5,       0.0);
     ( 486291.6, 3614724.1,       0.5,       0.5,       0.0);         ( 486284.9,
3614701.0,       0.5,       0.5,       0.0);
     ( 486278.2, 3614678.0,       0.5,       0.5,       0.0);         ( 486271.5,
3614655.0,       0.5,       0.5,       0.0);
     ( 486264.9, 3614631.9,       0.5,       0.5,       0.0);         ( 486258.2,
3614608.9,       0.5,       0.5,       0.0);
     ( 486251.5, 3614585.9,       0.5,       0.5,       0.0);         ( 486244.8,
3614562.9,       0.5,       0.5,       0.0);
     ( 486238.1, 3614539.8,       0.5,       0.5,       0.0);         ( 486231.5,
3614516.8,       0.5,       0.5,       0.0);
     ( 486224.8, 3614493.8,       0.5,       0.5,       0.0);         ( 486218.1,
3614470.7,       0.5,       0.5,       0.0);
     ( 486211.4, 3614447.7,       0.5,       0.5,       0.0);         ( 486204.8,
3614424.7,       0.5,       0.5,       0.0);
     ( 486198.1, 3614401.6,       0.5,       0.5,       0.0);         ( 486191.4,
3614378.6,       0.5,       0.5,       0.0);
     ( 486184.7, 3614355.6,       0.5,       0.5,       0.0);         ( 486178.0,
3614332.6,       0.5,       0.5,       0.0);
     ( 486171.4, 3614309.5,       0.5,       0.5,       0.0);         ( 486164.7,
3614286.5,       0.5,       0.5,       0.0);
     ( 486158.0, 3614263.5,       0.5,       0.5,       0.0);         ( 486151.3,
3614240.4,       0.5,       0.5,       0.0);
     ( 486144.6, 3614217.4,       0.5,       0.5,       0.0);         ( 486138.0,
3614194.4,       0.5,       0.5,       0.0);
     ( 486131.3, 3614171.4,       0.5,       0.5,       0.0);         ( 486124.6,
3614148.3,       0.5,       0.5,       0.0);
     ( 486117.9, 3614125.3,       0.5,       0.5,       0.0);         ( 486111.2,
3614102.3,       0.5,       0.5,       0.0);
     ( 486104.6, 3614079.2,       0.5,       0.5,       0.0);         ( 486097.9,
3614056.2,       0.5,       0.5,       0.0);
     ( 486091.2, 3614033.2,       0.5,       0.5,       0.0);         ( 486084.5,
3614010.1,       0.5,       0.5,       0.0);
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                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 486077.8, 3613987.1,       0.5,       0.5,       0.0);         ( 488731.5,
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3617280.5,      11.8,      11.8,       0.0);
     ( 488755.5, 3617283.1,      10.3,      10.3,       0.0);         ( 488779.5,
3617285.7,       9.9,       9.9,       0.0);
     ( 488803.6, 3617288.3,      10.2,      10.2,       0.0);         ( 488667.5,
3617666.6,      13.9,      13.9,       0.0);
     ( 488646.3, 3617655.0,      12.5,      14.4,       0.0);         ( 488625.1,
3617643.4,       8.8,      15.7,       0.0);
     ( 488603.9, 3617631.8,       4.3,      15.7,       0.0);         ( 488582.7,
3617620.2,       4.1,      15.7,       0.0);
     ( 488561.5, 3617608.6,       4.5,      15.4,       0.0);         ( 488540.3,
3617597.0,       2.7,      15.4,       0.0);
     ( 488519.2, 3617585.4,       3.0,       4.6,       0.0);         ( 488498.0,
3617573.8,       3.5,       3.5,       0.0);
     ( 488476.8, 3617562.2,       5.0,      19.4,       0.0);         ( 488455.6,
3617550.6,       4.3,      20.1,       0.0);
     ( 488434.4, 3617539.0,       3.6,      20.3,       0.0);         ( 488413.2,
3617527.4,       4.5,      20.3,       0.0);
     ( 488392.0, 3617515.8,       8.4,      20.1,       0.0);         ( 488370.8,
3617504.2,      16.7,      19.4,       0.0);
     ( 488349.7, 3617492.6,      19.1,      19.1,       0.0);         ( 488328.5,
3617481.0,      18.4,      18.4,       0.0);
     ( 488307.3, 3617469.4,      18.1,      18.1,       0.0);         ( 488286.1,
3617457.8,      17.3,      17.3,       0.0);
     ( 488264.9, 3617446.2,      14.7,      19.9,       0.0);         ( 488243.7,
3617434.6,      11.5,      22.1,       0.0);
     ( 488222.5, 3617423.0,      11.0,      22.5,       0.0);         ( 488201.3,
3617411.4,      10.5,      22.5,       0.0);
     ( 488180.2, 3617399.8,      11.6,      22.5,       0.0);         ( 488159.0,
3617388.2,      14.4,      17.8,       0.0);
     ( 488137.8, 3617376.6,      17.4,      17.8,       0.0);         ( 488116.6,
3617365.0,      18.3,      18.3,       0.0);
     ( 488095.4, 3617353.4,      18.4,      18.4,       0.0);         ( 488074.2,
3617341.8,      18.0,      18.0,       0.0);
     ( 488053.0, 3617330.1,      17.6,      17.6,       0.0);         ( 488031.8,
3617318.5,      17.6,      17.6,       0.0);
     ( 488010.7, 3617306.9,      18.1,      18.1,       0.0);         ( 487989.5,
3617295.3,      18.4,      18.4,       0.0);
     ( 487968.3, 3617283.8,      17.5,      17.5,       0.0);         ( 487947.1,
3617272.1,      16.4,      16.4,       0.0);
     ( 487925.9, 3617260.5,      15.7,      15.7,       0.0);         ( 487904.7,
3617248.9,      15.0,      15.0,       0.0);
     ( 487883.5, 3617237.3,      14.6,      14.6,       0.0);         ( 487862.3,
3617225.7,      14.1,      14.1,       0.0);
     ( 487841.2, 3617214.1,      13.3,      13.3,       0.0);         ( 487820.0,
3617202.5,      12.4,      12.4,       0.0);
     ( 487798.8, 3617190.9,      11.7,      11.7,       0.0);         ( 487777.6,
3617179.3,      11.2,      11.2,       0.0);
     ( 487756.4, 3617167.7,      11.4,      11.4,       0.0);         ( 487735.2,
3617156.1,      10.2,      11.6,       0.0);
     ( 487714.0, 3617144.5,       8.7,       8.7,       0.0);         ( 487692.8,
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3617132.9,   8.1,   8.1,   0.0);
     (487671.7, 3617121.3,   7.5,   7.5,   0.0);   (487650.5,
3617109.7,   6.7,   6.7,   0.0);
     (487629.3, 3617098.1,   6.0,   6.0,   0.0);   (487608.1,
3617086.5,   5.5,   5.5,   0.0);
     (487586.9, 3617074.9,   4.5,   4.5,   0.0);   (487565.7,
3617063.3,   4.4,   4.4,   0.0);
     (487544.5, 3617051.7,   3.8,   3.8,   0.0);   (487523.3,
3617040.1,   3.7,   3.7,   0.0);
     (487502.1, 3617028.5,   3.7,   3.7,   0.0);   (487481.0,
3617016.9,   3.4,   3.4,   0.0);
     (487459.8, 3617005.3,   3.0,   3.0,   0.0);   (487438.6,
3616993.7,   3.4,   3.4,   0.0);
     (487417.4, 3616982.1,   3.7,   3.7,   0.0);   (487396.2,
3616970.5,   3.6,   3.6,   0.0);
     (487375.0, 3616958.9,   3.6,   3.6,   0.0);   (487353.8,
3616947.3,   3.5,   3.5,   0.0);
     (487332.6, 3616935.7,   3.4,   3.4,   0.0);   (487311.5,
3616924.1,   3.5,   3.5,   0.0);
     (487290.3, 3616912.5,   3.5,   3.5,   0.0);   (487269.1,
3616900.9,   3.4,   3.4,   0.0);
     (487247.9, 3616889.3,   3.4,   3.4,   0.0);   (487226.7,
3616877.7,   3.4,   3.4,   0.0);
     (487205.5, 3616866.1,   3.4,   3.4,   0.0);   (487184.3,
3616854.5,   2.7,   2.7,   0.0);
     (487163.1, 3616842.9,   1.9,   1.9,   0.0);   (487142.0,
3616831.3,   0.6,   0.6,   0.0);
     (487120.8, 3616819.7,   -0.2,   3.1,   0.0);   (487099.6,
3616808.1,   0.6,   2.7,   0.0);
     (487078.4, 3616796.5,   -1.3,   3.1,   0.0);   (487057.2,
3616784.9,   -1.0,   -1.0,   0.0);
     (487036.0, 3616773.3,   -0.3,   -0.3,   0.0);   (487014.8,
3616761.7,   -0.3,   -0.3,   0.0);
     (486993.6, 3616750.1,   -0.3,   -0.3,   0.0);   (486972.5,
3616738.4,   -0.3,   -0.3,   0.0);
     (486951.3, 3616726.8,   -0.3,   -0.3,   0.0);   (486930.1,
3616715.2,   -0.3,   -0.3,   0.0);
     (486908.9, 3616703.6,   -0.3,   -0.3,   0.0);   (486887.7,
3616692.0,   -0.3,   -0.3,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

```
     ( 486866.5, 3616680.4,      -0.3,      -0.3,       0.0);         ( 486845.3,
3616668.8,      -0.3,      -0.3,       0.0);
     ( 486824.1, 3616657.2,      -0.3,      -0.3,       0.0);         ( 486803.0,
3616645.6,      -0.3,      -0.3,       0.0);
     ( 486781.8, 3616634.0,      -0.3,      -0.3,       0.0);         ( 486760.6,
3616622.4,      -0.3,      -0.3,       0.0);
     ( 486739.4, 3616610.8,      -0.3,      -0.3,       0.0);         ( 486718.2,
3616599.2,       0.2,       0.2,       0.0);
     ( 486697.0, 3616587.6,       0.6,       0.6,       0.0);         ( 486675.8,
3616576.0,       0.6,       0.6,       0.0);
     ( 486654.6, 3616564.4,       0.6,       0.6,       0.0);         ( 486633.5,
3616552.8,       0.6,       0.6,       0.0);
     ( 486612.3, 3616541.2,       0.6,       0.6,       0.0);         ( 486591.1,
3616529.6,       0.6,       0.6,       0.0);
     ( 486569.9, 3616518.0,       0.6,       0.6,       0.0);         ( 486548.7,
3616506.4,       0.6,       0.6,       0.0);
     ( 486527.5, 3616494.8,       0.6,       0.6,       0.0);         ( 486506.3,
3616483.2,       0.6,       0.6,       0.0);
     ( 486485.1, 3616471.6,       0.6,       0.6,       0.0);         ( 486464.0,
3616460.0,       0.6,       0.6,       0.0);
     ( 486442.8, 3616448.4,       0.6,       0.6,       0.0);         ( 486421.6,
3616436.8,       0.6,       0.6,       0.0);
     ( 486393.7, 3616402.0,       0.6,       0.6,       0.0);         ( 486386.9,
3616378.8,       0.6,       0.6,       0.0);
     ( 486380.2, 3616355.6,       0.6,       0.6,       0.0);         ( 486373.5,
3616332.4,       0.5,       0.5,       0.0);
     ( 486366.8, 3616309.2,       0.5,       0.5,       0.0);         ( 486360.0,
3616286.0,       0.5,       0.5,       0.0);
     ( 486353.3, 3616262.8,       0.5,       0.5,       0.0);         ( 486346.6,
3616239.6,       0.5,       0.5,       0.0);
     ( 486339.8, 3616216.4,       0.5,       0.5,       0.0);         ( 486333.1,
3616193.2,       0.5,       0.5,       0.0);
     ( 486326.4, 3616170.0,       0.5,       0.5,       0.0);         ( 486319.6,
3616146.8,       0.5,       0.5,       0.0);
     ( 486312.9, 3616123.6,       0.5,       0.5,       0.0);         ( 486306.2,
3616100.4,       0.5,       0.5,       0.0);
     ( 486299.5, 3616077.2,       0.5,       0.5,       0.0);         ( 486292.7,
3616054.0,       0.5,       0.5,       0.0);
     ( 486286.0, 3616030.8,       0.5,       0.5,       0.0);         ( 486279.3,
3616007.6,       0.5,       0.5,       0.0);
     ( 486272.5, 3615984.4,       0.5,       0.5,       0.0);         ( 486265.8,
3615961.2,       0.5,       0.5,       0.0);
     ( 486259.1, 3615938.0,       0.5,       0.5,       0.0);         ( 486252.4,
3615914.8,       0.5,       0.5,       0.0);
     ( 486245.6, 3615891.6,       0.5,       0.5,       0.0);         ( 486238.9,
3615868.4,       0.5,       0.5,       0.0);
     ( 486232.2, 3615845.2,       0.5,       0.5,       0.0);         ( 486225.4,
3615822.0,       0.5,       0.5,       0.0);
     ( 486218.7, 3615798.8,       0.5,       0.5,       0.0);         ( 486212.0,
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3615775.6,   0.5,   0.5,   0.0);
     (486205.2, 3615752.4,   0.5,   0.5,   0.0);   (486198.5,
3615729.2,   0.5,   0.5,   0.0);
     (486191.8, 3615706.0,   0.5,   0.5,   0.0);   (486185.1,
3615682.8,   0.5,   0.5,   0.0);
     (486178.3, 3615659.6,   0.5,   0.5,   0.0);   (486171.6,
3615636.4,   0.5,   0.5,   0.0);
     (486164.9, 3615613.2,   0.5,   0.5,   0.0);   (486158.1,
3615590.0,   0.5,   0.5,   0.0);
     (486151.4, 3615566.8,   0.5,   0.5,   0.0);   (486144.7,
3615543.6,   0.5,   0.5,   0.0);
     (486138.0, 3615520.4,   0.5,   0.5,   0.0);   (486131.2,
3615497.2,   0.5,   0.5,   0.0);
     (486124.5, 3615474.0,   0.5,   0.5,   0.0);   (486117.8,
3615450.8,   0.5,   0.5,   0.0);
     (486111.0, 3615427.6,   0.5,   0.5,   0.0);   (486104.3,
3615404.4,   0.5,   0.5,   0.0);
     (486097.6, 3615381.2,   0.5,   0.5,   0.0);   (486090.8,
3615358.0,   0.5,   0.5,   0.0);
     (486084.1, 3615334.8,   0.5,   0.5,   0.0);   (486077.4,
3615311.6,   0.5,   0.5,   0.0);
     (486070.7, 3615288.4,   0.5,   0.5,   0.0);   (486063.9,
3615265.2,   0.5,   0.5,   0.0);
     (486057.2, 3615242.0,   0.5,   0.5,   0.0);   (486050.5,
3615218.8,   0.5,   0.5,   0.0);
     (486043.8, 3615195.6,   0.5,   0.5,   0.0);   (486037.0,
3615172.4,   0.5,   0.5,   0.0);
     (486030.3, 3615149.2,   0.5,   0.5,   0.0);   (486023.6,
3615126.0,   0.5,   0.5,   0.0);
     (486016.8, 3615102.8,   0.5,   0.5,   0.0);   (486010.1,
3615079.6,   0.5,   0.5,   0.0);
     (486003.4, 3615056.4,   0.5,   0.5,   0.0);   (485996.6,
3615033.2,   0.5,   0.5,   0.0);
     (485989.9, 3615010.0,   0.5,   0.5,   0.0);   (485983.2,
3614986.8,   0.5,   0.5,   0.0);
     (485976.5, 3614963.6,   0.5,   0.5,   0.0);   (485969.7,
3614940.4,   0.5,   0.5,   0.0);
     (485963.0, 3614917.2,   0.5,   0.5,   0.0);   (485956.3,
3614894.0,   0.5,   0.5,   0.0);
     (485949.5, 3614870.8,   0.5,   0.5,   0.0);   (485942.8,
3614847.6,   0.5,   0.5,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(485936.1, 3614824.4, 0.5, 0.5, 0.0); (485929.3, 3614801.2, 0.5, 0.5, 0.0);
(485922.6, 3614778.0, 0.5, 0.5, 0.0); (485915.9, 3614754.8, 0.5, 0.5, 0.0);
(485909.2, 3614731.6, 0.5, 0.5, 0.0); (485902.4, 3614708.4, 0.5, 0.5, 0.0);
(485895.7, 3614685.2, 0.5, 0.5, 0.0); (485889.0, 3614662.0, 0.5, 0.5, 0.0);
(485882.2, 3614638.8, 0.5, 0.5, 0.0); (485875.5, 3614615.6, 0.5, 0.5, 0.0);
(485868.8, 3614592.4, 0.5, 0.5, 0.0); (485862.1, 3614569.2, 0.5, 0.5, 0.0);
(485855.3, 3614546.0, 0.5, 0.5, 0.0); (485848.6, 3614522.8, 0.5, 0.5, 0.0);
(485841.9, 3614499.6, 0.5, 0.5, 0.0); (485835.1, 3614476.4, 0.5, 0.5, 0.0);
(485828.4, 3614453.2, 0.5, 0.5, 0.0); (485821.7, 3614430.0, 0.5, 0.5, 0.0);
(485815.0, 3614406.8, 0.5, 0.5, 0.0); (485808.2, 3614383.6, 0.5, 0.5, 0.0);
(485801.5, 3614360.4, 0.5, 0.5, 0.0); (485794.8, 3614337.2, 0.5, 0.5, 0.0);
(485788.0, 3614314.0, 0.5, 0.5, 0.0); (485781.3, 3614290.8, 0.5, 0.5, 0.0);
(485774.6, 3614267.6, 0.5, 0.5, 0.0); (485767.8, 3614244.4, 0.5, 0.5, 0.0);
(485761.1, 3614221.2, 0.5, 0.5, 0.0); (485754.4, 3614198.0, 0.5, 0.5, 0.0);
(485747.7, 3614174.8, 0.5, 0.5, 0.0); (485740.9, 3614151.6, 0.5, 0.5, 0.0);
(485734.2, 3614128.4, 0.5, 0.5, 0.0); (485727.5, 3614105.2, 0.5, 0.5, 0.0);
(485720.8, 3614082.0, 0.5, 0.5, 0.0); (485714.0, 3614058.8, 0.5, 0.5, 0.0);
(485707.3, 3614035.6, 0.5, 0.5, 0.0); (485700.6, 3614012.4, 0.5, 0.5, 0.0);
(485693.8, 3613989.2, 0.5, 0.5, 0.0); (485687.1, 3613966.0, 0.5, 0.5, 0.0);
(485680.4, 3613942.8, 0.5, 0.5, 0.0); (488688.7, 3617678.2, 14.1, 14.1, 0.0);
(488712.7, 3617680.8, 15.9, 15.9, 0.0); (488736.7, 3617683.4, 13.1, 16.0, 0.0);
(488760.8, 3617686.0, 14.3, 14.3, 0.0); (488784.8, 3617688.6, 15.6, 15.6, 0.0);
(488624.7, 3618064.3, 4.1, 4.1, 0.0); (488603.6, 3618052.8, 5.8, 5.8, 0.0);
(488582.4, 3618041.2, 5.8, 5.8, 0.0); (488561.3,

3618029.6,   5.7,   5.7,   0.0);
     (488540.2, 3618018.0,   5.8,   5.8,   0.0);   (488519.0,
3618006.5,   5.7,   5.7,   0.0);
     (488497.9, 3617994.9,   5.6,   5.6,   0.0);   (488476.8,
3617983.3,   5.8,   5.8,   0.0);
     (488455.6, 3617971.8,   5.6,   5.6,   0.0);   (488434.5,
3617960.2,   5.5,   5.5,   0.0);
     (488413.3, 3617948.6,   6.3,   6.3,   0.0);   (488392.2,
3617937.0,   6.9,   14.0,   0.0);
     (488371.1, 3617925.5,   6.3,   14.6,   0.0);   (488350.0,
3617913.9,   6.7,   14.6,   0.0);
     (488328.8, 3617902.3,   12.3,   14.2,   0.0);   (488307.7,
3617890.7,   14.1,   14.1,   0.0);
     (488286.5, 3617879.2,   13.2,   13.2,   0.0);   (488265.4,
3617867.6,   12.0,   12.0,   0.0);
     (488244.3, 3617856.0,   10.9,   10.9,   0.0);   (488223.1,
3617844.4,   11.0,   11.0,   0.0);
     (488202.0, 3617832.9,   11.7,   16.3,   0.0);   (488180.9,
3617821.3,   13.1,   16.3,   0.0);
     (488159.7, 3617809.7,   15.7,   15.7,   0.0);   (488138.6,
3617798.1,   16.4,   16.4,   0.0);
     (488117.5, 3617786.6,   16.9,   16.9,   0.0);   (488096.3,
3617775.0,   18.1,   25.3,   0.0);
     (488075.2, 3617763.4,   20.2,   25.3,   0.0);   (488054.0,
3617751.8,   22.6,   25.3,   0.0);
     (488032.9, 3617740.3,   25.4,   25.4,   0.0);   (488011.8,
3617728.7,   25.9,   25.9,   0.0);
     (487990.6, 3617717.1,   26.1,   26.1,   0.0);   (487969.5,
3617705.5,   25.8,   25.8,   0.0);
     (487948.4, 3617694.0,   25.2,   25.2,   0.0);   (487927.2,
3617682.4,   24.5,   24.5,   0.0);
     (487906.1, 3617670.8,   23.8,   23.8,   0.0);   (487885.0,
3617659.3,   23.5,   23.5,   0.0);
     (487863.8, 3617647.7,   23.2,   23.2,   0.0);   (487842.7,
3617636.1,   22.8,   22.8,   0.0);
     (487821.5, 3617624.5,   22.7,   22.7,   0.0);   (487800.4,
3617613.0,   22.7,   22.7,   0.0);
     (487779.3, 3617601.4,   22.2,   22.2,   0.0);   (487758.1,
3617589.8,   21.8,   21.8,   0.0);
     (487737.0, 3617578.2,   21.4,   21.4,   0.0);   (487715.9,
3617566.7,   21.1,   21.1,   0.0);
     (487694.7, 3617555.1,   21.0,   21.0,   0.0);   (487673.6,
3617543.5,   20.4,   20.4,   0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(487652.5, 3617531.9, 20.0, 20.0, 0.0); (487631.3, 3617520.4, 19.8, 19.8, 0.0);
(487610.2, 3617508.8, 19.5, 19.5, 0.0); (487589.0, 3617497.2, 18.7, 19.2, 0.0);
(487567.9, 3617485.6, 14.6, 20.3, 0.0); (487546.8, 3617474.1, 10.5, 20.7, 0.0);
(487525.6, 3617462.5, 9.9, 20.7, 0.0); (487504.5, 3617450.9, 12.0, 17.0, 0.0);
(487483.4, 3617439.4, 15.9, 15.9, 0.0); (487462.2, 3617427.8, 16.7, 16.7, 0.0);
(487441.1, 3617416.2, 16.5, 16.5, 0.0); (487420.0, 3617404.6, 15.8, 15.8, 0.0);
(487398.8, 3617393.1, 15.3, 15.3, 0.0); (487377.7, 3617381.5, 14.7, 14.7, 0.0);
(487356.5, 3617369.9, 14.3, 14.3, 0.0); (487335.4, 3617358.3, 13.7, 13.7, 0.0);
(487314.3, 3617346.8, 13.2, 13.2, 0.0); (487293.1, 3617335.2, 12.8, 12.8, 0.0);
(487272.0, 3617323.6, 12.3, 12.3, 0.0); (487250.9, 3617312.0, 11.7, 11.7, 0.0);
(487229.7, 3617300.5, 11.9, 11.9, 0.0); (487208.6, 3617288.9, 11.5, 11.5, 0.0);
(487187.5, 3617277.3, 11.2, 11.2, 0.0); (487166.3, 3617265.8, 10.6, 10.6, 0.0);
(487145.2, 3617254.2, 10.0, 10.0, 0.0); (487124.0, 3617242.6, 10.2, 10.2, 0.0);
(487102.9, 3617231.0, 10.0, 10.0, 0.0); (487081.8, 3617219.5, 9.7, 9.7, 0.0);
(487060.6, 3617207.9, 9.1, 9.1, 0.0); (487039.5, 3617196.3, 7.9, 7.9, 0.0);
(487018.4, 3617184.7, 6.3, 6.3, 0.0); (486997.2, 3617173.2, 5.9, 5.9, 0.0);
(486976.1, 3617161.6, 4.9, 8.5, 0.0); (486955.0, 3617150.0, 4.7, 4.7, 0.0);
(486933.8, 3617138.4, 4.7, 4.7, 0.0); (486912.7, 3617126.9, 4.7, 4.7, 0.0);
(486891.5, 3617115.3, 4.7, 4.7, 0.0); (486870.4, 3617103.7, 4.7, 4.7, 0.0);
(486849.3, 3617092.1, 4.6, 4.6, 0.0); (486828.1, 3617080.6, 4.5, 4.5, 0.0);
(486807.0, 3617069.0, 4.5, 4.5, 0.0); (486785.9, 3617057.4, 4.4, 4.4, 0.0);
(486764.7, 3617045.8, 4.6, 4.6, 0.0); (486743.6, 3617034.3, 4.3, 4.3, 0.0);
(486722.5, 3617022.7, 4.1, 4.1, 0.0); (486701.3,

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3617011.1,       4.0,       4.0,       0.0);
     ( 486680.2, 3616999.6,       4.1,       4.1,       0.0);         ( 486659.1,
3616988.0,       4.2,       4.2,       0.0);
     ( 486637.9, 3616976.4,       3.8,       3.8,       0.0);         ( 486616.8,
3616964.8,       1.8,       1.8,       0.0);
     ( 486595.6, 3616953.3,       0.8,       0.8,       0.0);         ( 486574.5,
3616941.7,       0.6,       0.6,       0.0);
     ( 486553.4, 3616930.1,       0.6,       0.6,       0.0);         ( 486532.2,
3616918.5,       0.6,       0.6,       0.0);
     ( 486511.1, 3616907.0,       0.6,       0.6,       0.0);         ( 486490.0,
3616895.4,       0.6,       0.6,       0.0);
     ( 486468.8, 3616883.8,       0.6,       0.6,       0.0);         ( 486447.7,
3616872.2,       0.6,       0.6,       0.0);
     ( 486426.6, 3616860.7,       0.6,       0.6,       0.0);         ( 486405.4,
3616849.1,       0.6,       0.6,       0.0);
     ( 486384.3, 3616837.5,       0.6,       0.6,       0.0);         ( 486363.1,
3616825.9,       0.5,       0.5,       0.0);
     ( 486342.0, 3616814.4,       0.5,       0.5,       0.0);         ( 486320.9,
3616802.8,       0.5,       0.5,       0.0);
     ( 486299.7, 3616791.2,       0.5,       0.5,       0.0);         ( 486278.6,
3616779.6,       0.5,       0.5,       0.0);
     ( 486257.5, 3616768.1,       0.5,       0.5,       0.0);         ( 486236.3,
3616756.5,       0.5,       0.5,       0.0);
     ( 486215.2, 3616744.9,       0.5,       0.5,       0.0);         ( 486194.1,
3616733.4,       0.5,       0.5,       0.0);
     ( 486172.9, 3616721.8,       0.5,       0.5,       0.0);         ( 486151.8,
3616710.2,       0.5,       0.5,       0.0);
     ( 486130.6, 3616698.6,       0.5,       0.5,       0.0);         ( 486109.5,
3616687.1,       0.5,       0.5,       0.0);
     ( 486081.7, 3616652.3,       0.5,       0.5,       0.0);         ( 486075.0,
3616629.2,       0.5,       0.5,       0.0);
     ( 486068.2, 3616606.1,       0.5,       0.5,       0.0);         ( 486061.5,
3616582.9,       0.5,       0.5,       0.0);
     ( 486054.8, 3616559.8,       0.5,       0.5,       0.0);         ( 486048.1,
3616536.6,       0.5,       0.5,       0.0);
     ( 486041.4, 3616513.5,       0.5,       0.5,       0.0);         ( 486034.7,
3616490.3,       0.5,       0.5,       0.0);
     ( 486028.0, 3616467.2,       0.5,       0.5,       0.0);         ( 486021.2,
3616444.1,       0.5,       0.5,       0.0);
     ( 486014.5, 3616420.9,       0.5,       0.5,       0.0);         ( 486007.8,
3616397.8,       0.5,       0.5,       0.0);
     ( 486001.1, 3616374.6,       0.5,       0.5,       0.0);         ( 485994.4,
3616351.5,       0.5,       0.5,       0.0);
     ( 485987.7, 3616328.3,       0.5,       0.5,       0.0);         ( 485981.0,
3616305.2,       0.5,       0.5,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***       09:06:31
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(485974.3, 3616282.0, 0.5, 0.5, 0.0); (485967.5, 3616258.9, 0.5, 0.5, 0.0);
(485960.8, 3616235.8, 0.5, 0.5, 0.0); (485954.1, 3616212.6, 0.5, 0.5, 0.0);
(485947.4, 3616189.5, 0.5, 0.5, 0.0); (485940.7, 3616166.3, 0.5, 0.5, 0.0);
(485934.0, 3616143.2, 0.5, 0.5, 0.0); (485927.3, 3616120.0, 0.5, 0.5, 0.0);
(485920.6, 3616096.9, 0.5, 0.5, 0.0); (485913.8, 3616073.8, 0.5, 0.5, 0.0);
(485907.1, 3616050.6, 0.5, 0.5, 0.0); (485900.4, 3616027.5, 0.5, 0.5, 0.0);
(485893.7, 3616004.3, 0.5, 0.5, 0.0); (485887.0, 3615981.2, 0.5, 0.5, 0.0);
(485880.3, 3615958.0, 0.5, 0.5, 0.0); (485873.6, 3615934.9, 0.5, 0.5, 0.0);
(485866.9, 3615911.8, 0.5, 0.5, 0.0); (485860.1, 3615888.6, 0.5, 0.5, 0.0);
(485853.4, 3615865.5, 0.5, 0.5, 0.0); (485846.7, 3615842.3, 0.5, 0.5, 0.0);
(485840.0, 3615819.2, 0.5, 0.5, 0.0); (485833.3, 3615796.0, 0.5, 0.5, 0.0);
(485826.6, 3615772.9, 0.5, 0.5, 0.0); (485819.9, 3615749.8, 0.5, 0.5, 0.0);
(485813.1, 3615726.6, 0.5, 0.5, 0.0); (485806.4, 3615703.5, 0.5, 0.5, 0.0);
(485799.7, 3615680.3, 0.5, 0.5, 0.0); (485793.0, 3615657.2, 0.5, 0.5, 0.0);
(485786.3, 3615634.0, 0.5, 0.5, 0.0); (485779.6, 3615610.9, 0.5, 0.5, 0.0);
(485772.9, 3615587.7, 0.5, 0.5, 0.0); (485766.2, 3615564.6, 0.5, 0.5, 0.0);
(485759.5, 3615541.5, 0.5, 0.5, 0.0); (485752.7, 3615518.3, 0.5, 0.5, 0.0);
(485746.0, 3615495.2, 0.5, 0.5, 0.0); (485739.3, 3615472.0, 0.5, 0.5, 0.0);
(485732.6, 3615448.9, 0.5, 0.5, 0.0); (485725.9, 3615425.7, 0.5, 0.5, 0.0);
(485719.2, 3615402.6, 0.5, 0.5, 0.0); (485712.5, 3615379.4, 0.5, 0.5, 0.0);
(485705.8, 3615356.3, 0.5, 0.5, 0.0); (485699.0, 3615333.2, 0.5, 0.5, 0.0);
(485692.3, 3615310.0, 0.5, 0.5, 0.0); (485685.6,

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3615286.9,       0.5,       0.5,       0.0);
     ( 485678.9, 3615263.7,       0.4,       0.4,       0.0);         ( 485672.2,
3615240.6,       0.4,       0.4,       0.0);
     ( 485665.5, 3615217.4,       0.3,       0.3,       0.0);         ( 485658.8,
3615194.3,       0.3,       0.3,       0.0);
     ( 485652.0, 3615171.2,       0.3,       0.3,       0.0);         ( 485645.3,
3615148.0,       0.3,       0.3,       0.0);
     ( 485638.6, 3615124.9,       0.3,       0.3,       0.0);         ( 485631.9,
3615101.7,       0.3,       0.3,       0.0);
     ( 485625.2, 3615078.6,       0.3,       0.3,       0.0);         ( 485618.5,
3615055.4,       0.3,       0.3,       0.0);
     ( 485611.8, 3615032.3,       0.3,       0.3,       0.0);         ( 485605.0,
3615009.1,       0.3,       0.3,       0.0);
     ( 485598.3, 3614986.0,       0.3,       0.3,       0.0);         ( 485591.6,
3614962.9,       0.3,       0.3,       0.0);
     ( 485584.9, 3614939.7,       0.3,       0.3,       0.0);         ( 485578.2,
3614916.6,       0.3,       0.3,       0.0);
     ( 485571.5, 3614893.4,       0.3,       0.3,       0.0);         ( 485564.8,
3614870.3,       0.3,       0.3,       0.0);
     ( 485558.1, 3614847.1,       0.3,       0.3,       0.0);         ( 485551.3,
3614824.0,       0.3,       0.3,       0.0);
     ( 485544.6, 3614800.9,       0.3,       0.3,       0.0);         ( 485537.9,
3614777.7,       0.3,       0.3,       0.0);
     ( 485531.2, 3614754.6,       0.3,       0.3,       0.0);         ( 485524.5,
3614731.4,       0.3,       0.3,       0.0);
     ( 485517.8, 3614708.3,       0.3,       0.3,       0.0);         ( 485511.1,
3614685.1,       0.3,       0.3,       0.0);
     ( 485504.4, 3614662.0,       0.3,       0.3,       0.0);         ( 485497.6,
3614638.9,       0.3,       0.3,       0.0);
     ( 485490.9, 3614615.7,       0.3,       0.3,       0.0);         ( 485484.2,
3614592.6,       0.3,       0.3,       0.0);
     ( 485477.5, 3614569.4,       0.3,       0.3,       0.0);         ( 485470.8,
3614546.3,       0.3,       0.3,       0.0);
     ( 485464.1, 3614523.1,       0.3,       0.3,       0.0);         ( 485457.4,
3614500.0,       0.3,       0.3,       0.0);
     ( 485450.7, 3614476.8,       0.3,       0.3,       0.0);         ( 485444.0,
3614453.7,       0.3,       0.3,       0.0);
     ( 485437.2, 3614430.6,       0.3,       0.3,       0.0);         ( 485430.5,
3614407.4,       0.3,       0.3,       0.0);
     ( 485423.8, 3614384.3,       0.3,       0.3,       0.0);         ( 485417.1,
3614361.1,       0.3,       0.3,       0.0);
     ( 485410.4, 3614338.0,       0.3,       0.3,       0.0);         ( 485403.7,
3614314.8,       0.3,       0.3,       0.0);
     ( 485397.0, 3614291.7,       0.3,       0.3,       0.0);         ( 485390.2,
3614268.6,       0.3,       0.3,       0.0);
     ( 485383.5, 3614245.4,       0.3,       0.3,       0.0);         ( 485376.8,
3614222.3,       0.3,       0.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(485370.1, 3614199.1, 0.3, 0.3, 0.0); (485363.4, 3614176.0, 0.3, 0.3, 0.0);
(485356.7, 3614152.8, 0.3, 0.3, 0.0); (485350.0, 3614129.7, 0.3, 0.3, 0.0);
(485343.2, 3614106.6, 0.5, 0.5, 0.0); (485336.5, 3614083.4, 1.1, 1.1, 0.0);
(485329.8, 3614060.3, 1.5, 1.5, 0.0); (485323.1, 3614037.1, 2.3, 2.3, 0.0);
(485316.4, 3614014.0, 2.9, 2.9, 0.0); (485309.7, 3613990.8, 3.2, 3.2, 0.0);
(485303.0, 3613967.7, 3.4, 3.4, 0.0); (485296.3, 3613944.5, 3.4, 3.4, 0.0);
(485289.5, 3613921.4, 3.3, 3.3, 0.0); (485282.8, 3613898.3, 3.3, 3.3, 0.0);
(488645.8, 3618075.9, 5.0, 21.5, 0.0); (488669.9, 3618078.5, 7.8, 20.9, 0.0);
(488693.9, 3618081.1, 8.3, 23.8, 0.0); (488718.0, 3618083.7, 9.8, 24.5, 0.0);
(489052.5, 3614297.7, 4.0, 4.0, 0.0); (489148.7, 3614308.1, 3.8, 3.8, 0.0);
(489151.3, 3614285.7, 3.8, 3.8, 0.0); (489165.5, 3614287.0, 3.6, 3.6, 0.0);
(489175.4, 3614281.3, 3.5, 3.5, 0.0); (489171.5, 3614268.0, 3.4, 3.4, 0.0);
(489178.0, 3614265.4, 3.3, 3.3, 0.0); (489165.5, 3614117.1, 3.3, 3.3, 0.0);
(489073.2, 3614112.8, 3.8, 3.8, 0.0);

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\SES_2020_2022_v24142.SFC
Met Version: 24142
Profile file: ..\SES_2020_2022_v24142.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23188 Upper air station no.: 3190
Name: SAN_DIEGO/LINDBERGH_FIELD Name: UNKNOWN

Year: 2020 Year: 2020

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
20	01	01	1	01	-7.1	0.089	-9.000	-9.000	-999.	63.	8.9	0.18	0.74	1.00	1.79	51.	10.0	285.5	10.0
20	01	01	1	02	-6.5	0.085	-9.000	-9.000	-999.	60.	8.6	0.19	0.74	1.00	1.70	70.	10.0	284.5	10.0
20	01	01	1	03	-2.3	0.051	-9.000	-9.000	-999.	27.	5.0	0.17	0.74	1.00	1.03	17.	10.0	283.3	10.0
20	01	01	1	04	-1.4	0.039	-9.000	-9.000	-999.	19.	3.9	0.17	0.74	1.00	0.80	22.	10.0	282.5	10.0
20	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.22	0.74	1.00	0.00	0.	10.0	281.8	10.0
20	01	01	1	06	-3.0	0.058	-9.000	-9.000	-999.	34.	6.0	0.19	0.74	1.00	1.16	65.	10.0	282.2	10.0
20	01	01	1	07	-3.0	0.062	-9.000	-9.000	-999.	37.	7.1	0.18	0.74	1.00	1.25	35.	10.0	282.5	10.0
20	01	01	1	08	-3.7	0.084	-9.000	-9.000	-999.	59.	14.9	0.18	0.74	0.48	1.56	59.	10.0	284.0	10.0
20	01	01	1	09	30.9	0.141	0.358	0.005	53.	127.	-8.2	0.17	0.74	0.28	1.03	112.	10.0	285.9	10.0
20	01	01	1	10	53.1	0.260	0.583	0.005	135.	319.	-30.0	0.20	0.74	0.21	2.15	126.	10.0	288.2	10.0
20	01	01	1	11	87.2	0.254	1.003	0.005	419.	308.	-17.1	0.25	0.74	0.19	1.83	216.	10.0	290.3	10.0
20	01	01	1	12	97.8	0.337	1.170	0.005	593.	469.	-35.3	0.25	0.74	0.18	2.64	214.	10.0	290.4	10.0
20	01	01	1	13	96.1	0.368	1.245	0.005	726.	536.	-46.9	0.26	0.74	0.18	2.95	207.	10.0	290.1	10.0
20	01	01	1	14	82.2	0.327	1.228	0.005	813.	451.	-38.5	0.25	0.74	0.19	2.59	217.	10.0	289.8	10.0
20	01	01	1	15	56.8	0.356	1.136	0.005	932.	509.	-71.4	0.26	0.74	0.22	2.95	197.	10.0	289.5	10.0
20	01	01	1	16	17.8	0.246	0.787	0.005	983.	299.	-75.3	0.25	0.74	0.31	2.06	235.	10.0	289.0	10.0
20	01	01	1	17	-5.1	0.087	-9.000	-9.000	-999.	91.	11.7	0.25	0.74	0.59	1.61	224.	10.0	288.4	10.0
20	01	01	1	18	-5.1	0.083	-9.000	-9.000	-999.	57.	10.1	0.26	0.74	1.00	1.52	191.	10.0	287.8	10.0
20	01	01	1	19	-2.6	0.058	-9.000	-9.000	-999.	34.	6.9	0.21	0.74	1.00	1.12	163.	10.0	287.6	10.0
20	01	01	1	20	-2.3	0.055	-9.000	-9.000	-999.	31.	6.5	0.21	0.74	1.00	1.07	167.	10.0	287.4	10.0
20	01	01	1	21	-1.8	0.048	-9.000	-9.000	-999.	25.	5.6	0.20	0.74	1.00	0.94	137.	10.0	287.2	10.0
20	01	01	1	22	-2.3	0.056	-9.000	-9.000	-999.	32.	6.9	0.19	0.74	1.00	1.12	65.	10.0	286.4	10.0
20	01	01	1	23	-3.1	0.063	-9.000	-9.000	-999.	38.	7.3	0.19	0.74						

```
1.00    1.25   82.   10.0  285.8   10.0
 20 01 01   1 24   -4.0  0.072 -9.000 -9.000 -999.   46.      8.3  0.19   0.74
1.00    1.43   86.   10.0  285.6   10.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 20 01 01 01   10.0 1   51.    1.79   285.6   13.0  -99.00    0.40

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE 102
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        489173.53   3614310.96     4288.16676  (22010617)               489176.12
3614288.54     7135.69644  (22010617)
        489189.14   3614330.49     2980.77062  (22010617)               489161.63
3614352.48     3131.13996  (22011619)
        489200.96   3614291.41     3808.80621  (22110620)               489213.98
3614333.36     2296.48059  (22110620)
        489177.24   3614372.00     1745.08439  (22011619)               489225.79
3614294.28     4118.94338  (22080806)
        489238.81   3614336.23     1342.51514  (22080806)               489220.36
3614369.55     1558.20776  (22110620)
        489192.85   3614391.53     1544.83969  (22010617)               489156.28
3614402.19     1908.01651  (22011619)
        489250.63   3614297.15     2657.77476  (22080806)               489288.48
3614341.96     1637.55553  (22080806)
        489270.03   3614375.28      776.03816  (22081404)               489251.58
3614408.60     1015.07137  (22110620)
        489224.07   3614430.59      926.32568  (22010617)               489187.50
3614441.25      964.29198  (22010617)
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        489150.93   3614451.90     1315.74301  (22011619)              489300.30
3614302.88      803.51588  (20020621)
        489336.83   3614350.08      894.18407  (22080806)              489315.74
3614388.16      953.81605  (22080806)
        489294.66   3614426.24      504.86306  (22110620)              489252.67
3614470.41      665.86771  (22110620)
        489210.88   3614482.59      798.17773  (22010617)              489169.09
3614494.76      880.07007  (22011619)
        489349.97   3614308.62      506.90409  (20020621)              489386.80
3614355.29      396.43051  (22080806)
        489366.29   3614392.31      838.60458  (22080806)              489345.79
3614429.34      618.11375  (22080806)
        489325.29   3614466.36      348.20973  (22110620)              489284.47
3614509.30      553.42283  (22110620)
        489243.84   3614521.14      566.88575  (22010617)              489203.21
3614532.98      580.79783  (22010617)
        489162.57   3614544.82      735.23983  (22011619)              489399.64
3614314.36      392.72047  (20020621)
        489436.65   3614360.69      295.35576  (20020621)              489416.52
3614397.04      486.63286  (22080806)
        489396.39   3614433.39      674.64055  (22080806)              489376.26
3614469.74      416.42597  (22080806)
        489356.13   3614506.09      257.43396  (22040621)              489316.05
3614548.25      443.78176  (22110620)
        489276.16   3614559.87      374.66310  (22110620)              489236.27
3614571.50      508.30286  (22010617)
        489196.38   3614583.12      414.33954  (22010617)              489156.48
3614594.74      617.30474  (22011619)
        489449.31   3614320.10      299.73033  (20122118)              489535.51
3614373.03      187.35750  (20020621)
        489514.42   3614411.11      192.21466  (20020621)              489493.33
3614449.19      331.11435  (22080806)
        489472.25   3614487.27      463.73462  (22080806)              489451.16
3614525.35      347.07684  (22080806)
        489430.07   3614563.43      198.62283  (22081404)              489408.98
3614601.51      186.38199  (22040621)
        489377.54   3614626.64      281.53323  (22110620)              489335.75
3614638.82      315.53495  (22110620)
        489293.95   3614651.00      280.63170  (22010617)              489252.16
3614663.17      363.27906  (22010617)
        489210.37   3614675.35      302.49211  (22010617)              489168.58
3614687.53      390.35689  (22011619)
        489126.79   3614699.70      447.88816  (22011619)              489548.65
3614331.57      211.96917  (20122118)
        489634.54   3614385.07      116.98744  (21121907)              489623.69
3614404.67      277.98659  (22100604)
        489601.98   3614443.87      326.13842  (22071705)              489591.12
3614463.47      370.64946  (22101401)
        489569.41   3614502.67      475.54811  (20031104)              489547.70
3614541.87      840.53780  (22080806)
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
489647.99	3614343.05	156.22589	(20122118)	489734.19	3614395.99	99.63018	(21121907)
489713.10	3614434.07	102.09229	(21121907)	489692.01	3614472.15	103.74545	(21121907)
489670.92	3614510.23	104.53319	(21121907)	489649.83	3614548.31	174.49821	(22080806)
489628.75	3614586.39	254.59914	(22080806)	489607.66	3614624.47	256.42142	(22080806)
489586.57	3614662.55	181.29554	(22080806)	489565.48	3614700.63	123.33250	(22081404)
489544.39	3614738.71	90.75924	(21121907)	489502.40	3614782.87	121.28814	(22040621)
489460.61	3614795.05	173.98691	(22110620)	489418.82	3614807.23	191.92360	(22110620)
489377.03	3614819.40	158.55315	(21083002)	489335.24	3614831.58	180.62007	(22010617)

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        489293.44   3614843.76      218.42358  (22010617)               489251.65
3614855.94      202.71627  (22010617)
        489209.86   3614868.11      145.64323  (22010617)               489168.07
3614880.29      229.91090  (22011619)
        489126.28   3614892.47      276.70573  (22011619)               489747.33
3614354.53      127.09370  (20122118)
        489833.31   3614407.86       76.91935  (20122118)               489811.78
3614446.73       79.00476  (21121907)
        489790.25   3614485.60       80.67089  (21121907)               489768.73
3614524.48       81.79770  (21121907)
        489747.20   3614563.35       82.14741  (21121907)               489725.67
3614602.22      143.48944  (22080806)
        489704.14   3614641.10      204.00195  (22080806)               489682.61
3614679.97      211.95843  (22080806)
        489661.08   3614718.84      162.19080  (22080806)               489639.55
3614757.72      111.73731  (22081404)
        489618.03   3614796.59       77.07028  (22081404)               489596.50
3614835.46      490.65501  (21030702)
        489564.40   3614861.12      564.88228  (21030702)               489521.74
3614873.55      126.57755  (22110620)
        489479.08   3614885.98      155.47618  (22110620)               489436.41
3614898.41      148.88731  (22110620)
        489393.75   3614910.84      122.28177  (21083002)               489351.09
3614923.27      155.66276  (22010617)
        489308.43   3614935.70      180.24662  (22010617)               489265.76
3614948.13      166.34992  (22010617)
        489223.10   3614960.56      123.21233  (22010617)               489180.44
3614972.99      165.94422  (22011619)
        489137.78   3614985.42      220.76878  (22011619)               489095.11
3614997.85      218.60331  (22011619)
        489846.67   3614366.00      103.14754  (20122118)               489932.87
3614418.94       66.65936  (20122118)
        489911.78   3614457.02       62.95390  (21121907)               489890.69
3614495.10       64.16886  (21121907)
        489869.60   3614533.18       64.82534  (21121907)               489848.51
3614571.26       65.72141  (21121907)
        489827.42   3614609.34       65.75937  (21121907)               489806.33
3614647.42      108.14233  (22080806)
        489785.25   3614685.50      157.97790  (22080806)               489764.16
3614723.58      180.19934  (22080806)
        489743.07   3614761.66      159.77054  (22080806)               489721.98
3614799.74      112.29999  (22080806)
        489700.89   3614837.82       85.64986  (22081404)               489679.80
3614875.90       59.87027  (22081404)
        489658.71   3614913.98       54.34498  (21121907)               489627.27
3614939.11      490.27173  (21030702)
        489585.48   3614951.28      540.71927  (20051524)               489543.69
3614963.46      120.95465  (22110620)
        489501.89   3614975.64      132.41036  (22110620)               489460.10
3614987.81      117.57383  (22110620)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
490055.26	3614579.65	43.78104	(21121907)	490033.55	3614618.85	46.53944	(20122509)
490022.69	3614638.45	46.45932	(20122509)	490000.98	3614677.65	44.74492	(21121907)
489979.27	3614716.85	49.77452	(22080806)	489968.42	3614736.45	64.78566	(22080806)
489946.71	3614775.65	98.68236	(22080806)	489925.00	3614814.85	125.38571	(22080806)
489914.14	3614834.45	131.06355	(22080806)	489892.43	3614873.65	123.50586	(22080806)
489870.72	3614912.85	96.37764	(22080806)	489859.87	3614932.45	79.71260	(22080806)
489838.16	3614971.65	64.85893	(22081404)	489816.45	3615010.85	48.05840	(22081404)

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        489805.60   3615030.45       40.47889  (21121907)                489783.89
3615069.65       39.77673  (21121907)
        489751.52   3615095.52       40.43061  (22040621)                489708.50
3615108.05       56.30803  (22040621)
        489665.48   3615120.59      436.87458  (20051524)                489622.46
3615133.12       91.30663  (22110620)
        489579.44   3615145.66       97.99884  (22110620)                489536.42
3615158.19       88.86753  (22110620)
        489493.40   3615170.73       78.25528  (21083002)                489450.37
3615183.26       79.65443  (22010617)
        489407.35   3615195.80      102.14672  (22010617)                489364.33
3615208.33      113.16517  (22010617)
        489321.31   3615220.87      108.33937  (22010617)                489278.29
3615233.40       89.82967  (22010617)
        489235.27   3615245.94       64.75105  (22010617)                489192.25
3615258.47       90.66438  (22011619)
        489149.23   3615271.01      125.57025  (22011619)                489106.21
3615283.54      142.96122  (22011619)
        489063.18   3615296.08      135.45891  (22011619)                490142.09
3614422.85       57.15318  (20122118)
        490329.97   3614465.30       41.27220  (20122118)                490308.37
3614504.31       33.30009  (20122118)
        490286.76   3614543.32       33.13599  (21121907)                490265.16
3614582.33       33.62908  (21121907)
        490243.56   3614621.34       34.06626  (21121907)                490221.95
3614660.35       37.21177  (20122509)
        490200.35   3614699.36       39.77312  (20122509)                490178.75
3614738.37       38.49127  (20122509)
        490157.14   3614777.38       34.27342  (21121907)                490135.54
3614816.38       93.79646  (20031104)
        490113.93   3614855.39      163.46841  (20031104)                490092.33
3614894.40      210.25181  (20101624)
        490070.73   3614933.41      287.21355  (22080806)                490049.12
3614972.42      283.35513  (22080806)
        490027.52   3615011.43      266.26102  (22081404)                490005.92
3615050.44      259.89880  (22081404)
        489984.31   3615089.45      233.10632  (22053124)                489962.71
3615128.45      252.76867  (22071805)
        489941.11   3615167.46      232.49147  (22071805)                489919.50
3615206.47      168.23116  (22071805)
        489876.49   3615251.72      158.10252  (21012619)                489833.68
3615264.19       36.25528  (22040621)
        489790.87   3615276.67       47.56940  (22040621)                489748.06
3615289.14       58.92641  (22110620)
        489705.25   3615301.61       71.41149  (22110620)                489662.44
3615314.09       76.64140  (22110620)
        489619.63   3615326.56       71.81520  (22110620)                489576.81
3615339.04       64.44436  (21083002)
        489534.00   3615351.51       55.85130  (21083002)                489491.19
3615363.98       65.26764  (22010617)
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        490162.70   3615149.04      149.47619  (22081404)              490141.17
3615187.91      211.21934  (22081404)
        490119.64   3615226.78      200.36339  (22053124)              490098.12
3615265.66      234.63121  (22071805)
        490076.59   3615304.53      256.12359  (22071805)              490055.06
3615343.40      227.83606  (22071805)
        490033.53   3615382.28      197.79019  (21061224)              490001.43
3615407.93      249.04639  (21030702)
        489958.77   3615420.36      264.52559  (21030702)              489916.11
3615432.79      210.07449  (21012619)
        489873.45   3615445.22      184.59513  (20051524)              489830.78
3615457.65      163.67770  (20051524)
        489788.12   3615470.08      161.39032  (22110620)              489745.46
3615482.51       61.72484  (22110620)
        489702.80   3615494.94       59.15598  (22110620)              489660.13
3615507.37       53.44974  (21083002)
        489617.47   3615519.80       49.21836  (21083002)              489574.81
3615532.23       41.63334  (22010617)
        489532.15   3615544.67       54.62319  (22010617)              489489.48
3615557.10       65.52598  (22010617)
        489446.82   3615569.53       71.69476  (22010617)              489404.16
3615581.96       71.48935  (22010617)
        489361.50   3615594.39       65.04022  (22010617)              489318.83
3615606.82       54.10860  (22010617)
        489276.17   3615619.25       41.39171  (22010617)              489233.51
3615631.68       38.85563  (22011619)
        489190.85   3615644.11       57.50087  (22011619)              489148.18
3615656.54       75.63563  (22011619)
        489105.52   3615668.97       88.22960  (22011619)              489062.86
3615681.40       91.44657  (22011619)
        489020.19   3615693.83       84.67477  (22011619)              490542.04
3614446.33      118.53380  (20122118)
        490727.39   3614511.09      101.61652  (20122118)              490705.92
3614549.86       92.94205  (21090622)
        490684.45   3614588.63      109.38382  (20060120)              490662.98
3614627.41      116.26069  (20060120)
        490641.50   3614666.18      122.10092  (22091101)              490620.03
3614704.95      165.40590  (22091101)
        490598.56   3614743.72      183.54574  (21080823)              490577.08
3614782.50      128.46082  (20090624)
        490555.61   3614821.27       32.45258  (20122509)              490534.14
3614860.04       32.88218  (20122509)
        490512.67   3614898.81       31.06049  (20122509)              490491.19
3614937.59       27.74847  (20122509)
        490469.72   3614976.36       22.78699  (20122509)              490448.25
3615015.13       23.59704  (22080806)
        490426.78   3615053.90       70.14230  (20031104)              490405.30
3615092.68      106.37853  (20101624)
        490383.83   3615131.45      178.16567  (20101624)              490362.36
3615170.22      221.29956  (22080806)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF VARIOUS IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
489743.39	3615675.73	44.79521	(21083002)	489700.84	3615688.13	43.01313	(21083002)
489658.29	3615700.53	37.89988	(21083002)	489615.73	3615712.92	36.71816	(22010617)
489573.18	3615725.32	46.52123	(22010617)	489530.63	3615737.72	54.70926	(22010617)
489488.08	3615750.12	59.54157	(22010617)	489445.53	3615762.52	60.05729	(22010617)
489402.98	3615774.92	56.07902	(22010617)	489360.42	3615787.31	48.58066	(22010617)

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        489317.87   3615799.71       39.17913  (22010617)               489275.32
3615812.11       30.85702  (20102918)
        489232.77   3615824.51       33.26529  (22011619)               489190.22
3615836.91       47.48247  (22011619)
        489147.67   3615849.31       61.46815  (22011619)               489105.11
3615861.70       72.02282  (22011619)
        489062.56   3615874.10       76.47011  (22011619)               489020.01
3615886.50       73.78621  (22011619)
        490740.72   3614469.28      145.02753  (20122118)               490925.92
3614534.32      114.05576  (21090622)
        490915.03   3614553.98      133.29587  (21090622)               490904.14
3614573.65      147.55390  (21090622)
        490882.36   3614612.98      150.55239  (21090622)               490871.47
3614632.64      146.00304  (21090622)
        490849.69   3614671.97      129.52084  (21012102)               490838.80
3614691.63      120.46962  (21012102)
        490817.01   3614730.96      139.42822  (22091101)               490806.12
3614750.63      156.72653  (22091101)
        490784.34   3614789.96      178.98734  (21080823)               490762.56
3614829.28      204.33810  (21080823)
        490751.67   3614848.95      200.88447  (21080823)               490729.89
3614888.28      109.65328  (20090624)
        490719.00   3614907.94       64.60471  (22071705)               490697.22
3614947.27      100.98709  (20090624)
        490686.33   3614966.93       63.58487  (22071705)               490664.55
3615006.26       26.94799  (20122509)
        490653.66   3615025.93       25.06286  (20122509)               490631.88
3615065.26       20.64522  (20122509)
        490620.99   3615084.92       18.31024  (20122509)               490599.21
3615124.25       21.14720  (22080806)
        490588.32   3615143.91       25.42272  (22080806)               490566.54
3615183.24       78.88270  (20031104)
        490555.65   3615202.91      106.14075  (20101624)               490533.87
3615242.23      145.10507  (20101624)
        490522.98   3615261.90      161.41139  (20101624)               490501.19
3615301.23      213.35049  (22080806)
        490490.30   3615320.89      218.26410  (22080806)               490468.52
3615360.22      185.87345  (22080806)
        490457.63   3615379.88      189.67711  (22121318)               490435.85
3615419.21      210.01429  (22081404)
        490424.96   3615438.88      206.48300  (22081404)               490403.18
3615478.20      201.35050  (22053124)
        490381.40   3615517.53      182.01571  (22053124)               490370.51
3615537.20      183.08800  (22071805)
        490348.73   3615576.53      220.84497  (22071805)               490337.84
3615596.19      223.92883  (22071805)
        490316.06   3615635.52      197.61248  (22071805)               490305.17
3615655.18      184.99413  (21061224)
        490283.39   3615694.51      165.42053  (21061224)               490250.92
3615720.46      179.55147  (21030702)
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        490207.75   3615733.04      226.34555  (21030702)               490164.59
3615745.62      224.27271  (21030702)
        490143.01   3615751.90      201.42667  (21030702)               490099.85
3615764.48      216.45894  (20042401)
        490056.69   3615777.06      239.34487  (20051524)               490013.53
3615789.63      225.42271  (20051524)
        489970.36   3615802.21      222.50716  (22111819)               489927.20
3615814.79      233.96210  (22111819)
        489884.04   3615827.36      220.07656  (20071124)               489862.46
3615833.65      172.27621  (22110620)
        489819.30   3615846.23      128.06524  (22090420)               489776.13
3615858.80       37.08105  (21083002)
        489732.97   3615871.38       33.62928  (21083002)               489689.81
3615883.96       28.23050  (21083002)
        489646.65   3615896.53      129.76243  (21122419)               489603.49
3615909.11       41.86847  (22010617)
        489581.90   3615915.40       45.22070  (22010617)               489538.74
3615927.97       49.86535  (22010617)
        489495.58   3615940.55       51.39794  (22010617)               489452.42
3615953.12       49.49249  (22010617)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 107
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        489430.84   3615959.41       47.39988  (22010617)               489387.67
3615971.99       41.36536  (22010617)
        489344.51   3615984.57       33.86974  (22010617)               489301.35
3615997.14       26.96385  (20102918)
        489258.19   3616009.72       25.20687  (22012519)               489215.03
3616022.29       33.13818  (22011619)
        489171.86   3616034.87       44.71044  (22011619)               489150.28
3616041.16       50.26666  (22011619)
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        489107.12   3616053.73       59.50115  (22011619)              489063.96
3616066.31       64.56761  (22011619)
        489020.80   3616078.89       64.38748  (22011619)              488977.63
3616091.46       59.14424  (22011619)
        490939.40   3614492.24      122.28244  (20122118)              491323.34
3614580.11       51.13547  (20052703)
        491312.51   3614599.65       54.52140  (20052703)              491290.86
3614638.75       61.06067  (21090622)
        491269.21   3614677.85       70.07304  (21090622)              491258.38
3614697.39       70.18632  (21090622)
        491236.73   3614736.49       72.02539  (20031323)              491215.08
3614775.58       69.83342  (20060120)
        491204.26   3614795.13       66.62813  (20060120)              491182.60
3614834.23       73.80010  (20040701)
        491160.95   3614873.32       95.22860  (20040701)              491139.30
3614912.42      116.99550  (22091101)
        491117.65   3614951.51      123.47196  (22091101)              491096.00
3614990.61      119.65045  (21080823)
        491085.17   3615010.16      127.46343  (20090624)              491063.52
3615049.25      131.68777  (20090624)
        491041.87   3615088.35      116.53318  (20090624)              491031.04
3615107.90      106.19450  (22061523)
        491009.39   3615146.99      143.70994  (22073105)              490987.74
3615186.09      164.62624  (22073105)
        490976.91   3615205.63      169.18942  (22073105)              490955.26
3615244.73      105.95663  (22073105)
        490933.61   3615283.83       71.53618  (20122119)              490911.96
3615322.92       74.95248  (20122119)
        490890.31   3615362.02       74.62813  (20031104)              490868.66
3615401.11       65.42757  (20031104)
        490857.83   3615420.66       73.25490  (20101624)              490836.18
3615459.76       95.96937  (20101624)
        490814.53   3615498.85      152.97928  (20101624)              490803.70
3615518.40      164.53917  (20101624)
        490782.05   3615557.49      174.41627  (22080806)              490760.40
3615596.59      147.73327  (22080806)
        490749.57   3615616.14      127.30458  (22040523)              490727.92
3615655.23      147.82227  (22081404)
        490706.27   3615694.33      153.77272  (22081404)              490695.44
3615713.88      145.64696  (22081404)
        490673.79   3615752.97      146.13473  (22053124)              490652.14
3615792.07      132.10398  (22053124)
        490630.49   3615831.16      130.87585  (22071805)              490608.84
3615870.26      161.36487  (22071805)
        490587.19   3615909.35      160.16679  (22071805)              490576.36
3615928.90      147.23039  (22071805)
        490554.71   3615968.00      136.27117  (21061224)              490533.06
3616007.09      117.36471  (21061224)
        490500.78   3616032.89      105.60132  (20012520)              490457.87
3616045.39      128.28649  (21030702)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
490414.97	3616057.89	156.78301	(21030702)	490372.06	3616070.40	158.72867	(21030702)
490329.15	3616082.90	155.71095	(20042401)	490286.25	3616095.40	147.35555	(20042401)
490243.34	3616107.90	163.14589	(20051524)	490200.43	3616120.40	164.94304	(21081303)
490157.53	3616132.90	168.62353	(22081405)	490114.62	3616145.41	196.58300	(22111819)
490071.71	3616157.91	198.17488	(22111819)	490028.81	3616170.41	188.26750	(20071124)
489985.90	3616182.91	184.19489	(22090420)	489943.00	3616195.41	189.80262	(22090420)
489900.09	3616207.91	167.41357	(22090420)	489857.18	3616220.42	176.81732	(22121818)
489814.28	3616232.92	191.56716	(22121818)	489771.37	3616245.42	186.25081	(21122419)
489728.46	3616257.92	120.54914	(21122419)	489685.56	3616270.42	32.26272	(22010617)
489642.65	3616282.92	36.10608	(22010617)	489599.74	3616295.43	38.43938	(22010617)
489556.84	3616307.93	83.28833	(20101719)	489513.93	3616320.43	156.49611	(22091301)
489471.03	3616332.93	112.44150	(22091301)	489428.12	3616345.43	29.70278	(22010617)
489385.21	3616357.93	24.67220	(22010617)	489342.31	3616370.44	20.74650	(22062723)
489299.40	3616382.94	18.54682	(20102918)	489256.49	3616395.44	19.69538	(22012519)

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        489213.59   3616407.94       25.00415  (22011619)              489170.68
3616420.44       32.61155  (22011619)
        489127.77   3616432.95       39.85566  (22011619)              489084.87
3616445.45       45.57772  (22011619)
        489041.96   3616457.95       48.84453  (22011619)              488999.06
3616470.45       49.10198  (22011619)
        488956.15   3616482.95       46.40647  (22011619)              491336.76
3614538.14       49.41332  (21112917)
        491720.62   3614626.15       46.17583  (20052703)              491698.81
3614665.53       54.34868  (20052703)
        491687.91   3614685.22       55.67346  (20052703)              491677.00
3614704.91       59.68615  (21090622)
        491655.19   3614744.29       71.93464  (21090622)              491644.29
3614763.98       74.94761  (21090622)
        491633.39   3614783.66       75.54213  (21090622)              491611.58
3614823.04       70.03068  (20031323)
        491600.67   3614842.73       67.13015  (20060120)              491589.77
3614862.42       69.66228  (20060120)
        491567.96   3614901.80       82.97485  (21012102)              491557.06
3614921.49       91.17764  (21012102)
        491546.15   3614941.18       97.63541  (20040701)              491524.35
3614980.56      128.23167  (22091101)
        491513.44   3615000.24      141.12161  (22091101)              491502.54
3615019.93      142.60703  (22091101)
        491480.73   3615059.31      154.13708  (22091101)              491469.82
3615079.00      156.66494  (21080823)
        491458.92   3615098.69      157.29523  (21080823)              491448.02
3615118.38      152.19822  (21080823)
        491426.21   3615157.76      130.67494  (20090624)              491415.30
3615177.45      126.87744  (20090624)
        491404.40   3615197.14      119.74453  (20090624)              491382.59
3615236.51      100.21253  (20090624)
        491371.69   3615256.20       87.85452  (20090624)              491360.78
3615275.89       89.86661  (22073105)
        491338.98   3615315.27      106.66895  (22073105)              491328.07
3615334.96      108.84133  (22073105)
        491317.17   3615354.65      111.42846  (22073105)              491295.36
3615394.03      109.94985  (22073105)
        491284.46   3615413.72      104.49835  (22073105)              491273.55
3615433.40       97.83591  (22073105)
        491251.74   3615472.78       97.23605  (20122119)              491240.84
3615492.47       96.14301  (20122119)
        491229.94   3615512.16       88.96203  (20122119)              491208.13
3615551.54       79.16343  (20031104)
        491197.22   3615571.23       79.27725  (20031104)              491186.32
3615590.92       78.87178  (20031104)
        491164.51   3615630.30       74.62699  (20031104)              491153.61
3615649.98       85.60547  (20101624)
        491142.70   3615669.67       98.95835  (20101624)              491120.89
3615709.05      115.67155  (20101624)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF VARIOUS IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
490750.36	3616345.40	93.63693	(20012520)	490707.14	3616357.99	115.01490	(21030702)
490663.92	3616370.58	141.32367	(21030702)	490642.31	3616376.88	158.00609	(21030702)

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        490599.10   3616389.47      158.89530  (21030702)               490555.88
3616402.06      143.82937  (20042401)
        490512.66   3616414.66      133.02601  (20042401)               490469.45
3616427.25      116.08658  (20051524)
        490426.23   3616439.84      107.51231  (20051524)               490404.62
3616446.14      104.04460  (20051524)
        490383.01   3616452.43      113.36037  (20051524)               490339.80
3616465.02       93.72276  (20051524)
        490318.19   3616471.32       79.23813  (22110620)               490274.97
3616483.91       80.50085  (22110620)
        490231.76   3616496.50       86.14819  (22110620)               490188.54
3616509.10       77.78226  (22110620)
        490166.93   3616515.39       74.11618  (22110620)               490145.32
3616521.69       71.77312  (22110620)
        490102.11   3616534.28       89.00806  (22090420)               490058.89
3616546.87      117.65797  (22090420)
        490037.28   3616553.17      125.24324  (22090420)               489994.06
3616565.76      137.01535  (22121818)
        489950.85   3616578.35      159.22602  (22121818)               489929.24
3616584.65      162.76516  (22121818)
        489907.63   3616590.95      168.06352  (21122419)               489864.41
3616603.54      162.72613  (21122419)
        489821.20   3616616.13      146.12935  (21122419)               489777.98
3616628.72      142.15293  (20030321)
        489734.76   3616641.31      136.44286  (20030321)               489691.55
3616653.91      147.69408  (20101719)
        489669.94   3616660.20      146.40417  (20101719)               489626.72
3616672.79      130.71851  (22091301)
        489583.51   3616685.39      141.22809  (22091301)               489540.29
3616697.98      135.68209  (22091301)
        489497.07   3616710.57      112.50421  (22102521)               489453.86
3616723.16       96.68324  (22102521)
        489410.64   3616735.75       71.81469  (22102521)               489367.42
3616748.35       16.06145  (20102918)
        489345.82   3616754.64       15.30643  (20102918)               489302.60
3616767.24       14.52982  (22012519)
        489259.38   3616779.83       15.83183  (22012519)               489216.17
3616792.42       19.15803  (22011619)
        489172.95   3616805.01       70.24207  (22011622)               489129.73
3616817.60      122.22053  (22011622)
        489108.12   3616823.90      114.40670  (22011622)               489086.52
3616830.20      102.64880  (22011622)
        489043.30   3616842.79       63.62477  (20111718)               489021.69
3616849.08       38.57189  (22011619)
        489000.08   3616855.38       39.09950  (22011619)               488978.47
3616861.68       39.09356  (22011619)
        488935.26   3616874.27       37.64588  (22011619)               488892.04
3616886.86       34.46513  (22011619)
        491731.52   3614606.46       45.67175  (21112917)               491734.11
3614584.04       45.11665  (21112917)
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        492118.03   3614671.97       54.11890  (20122118)               492096.32
3614711.17       57.42883  (20052703)
        492074.61   3614750.37       66.05611  (21090622)               492063.75
3614769.97       73.40013  (21090622)
        492042.04   3614809.17       86.29162  (21090622)               492020.33
3614848.37       91.44451  (21090622)
        492009.48   3614867.97       90.59264  (21090622)               491987.77
3614907.17       81.41530  (21090622)
        491966.06   3614946.37       61.82176  (20060120)               491955.20
3614965.97       56.70830  (20060120)
        491933.49   3615005.17       47.33281  (21012102)               491911.79
3615044.37       43.35312  (20040701)
        491900.93   3615063.97       49.19938  (20040701)               491879.22
3615103.17       60.59521  (20040701)
        491857.51   3615142.37       79.54687  (22091101)               491846.66
3615161.97       93.31129  (22091101)
        491824.95   3615201.17      115.71384  (22091101)               491803.24
3615240.37      121.85669  (21080823)
        491792.38   3615259.97      117.55156  (21080823)               491770.67
3615299.17      113.02990  (20090624)
        491748.96   3615338.37      105.03001  (20090624)               491738.11
3615357.97       97.88107  (20090624)
        491716.40   3615397.17       79.38473  (20090624)               491694.69
3615436.37       76.67546  (22073105)
        491683.84   3615455.97       86.91198  (22073105)               491662.13
3615495.17      108.81420  (22073105)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE 110
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        491640.42   3615534.37      121.73678  (22073105)               491629.56
3615553.97      124.87407  (22073105)
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        491607.85   3615593.17      117.34757  (22073105)               491586.14
3615632.37       96.02610  (20122119)
        491575.29   3615651.97       95.85270  (20122119)               491553.58
3615691.17       74.44661  (20122119)
        491531.87   3615730.37       83.86993  (20092720)               491521.01
3615749.97       83.30779  (20092720)
        491499.31   3615789.17       80.90904  (20092720)               491477.60
3615828.37       70.60363  (20092720)
        491466.74   3615847.97       64.72334  (20092720)               491445.03
3615887.17       74.67571  (20101624)
        491423.32   3615926.37       84.18948  (20101624)               491412.47
3615945.97       89.50685  (20101624)
        491390.76   3615985.17      108.75435  (20101624)               491369.05
3616024.37      103.76590  (22080806)
        491358.19   3616043.97      101.32513  (22080806)               491336.48
3616083.17       91.07443  (22080806)
        491314.77   3616122.37       75.53620  (21071403)               491303.92
3616141.97       80.17243  (22040523)
        491282.21   3616181.17       91.66931  (22081404)               491260.50
3616220.37       92.86777  (22081404)
        491249.65   3616239.97       86.46188  (22081404)               491227.94
3616279.17       79.92575  (22053124)
        491206.23   3616318.37       90.03150  (22053124)               491195.37
3616337.97       89.11879  (22053124)
        491173.66   3616377.17       95.69278  (20081601)               491151.95
3616416.37      104.68757  (22071805)
        491141.10   3616435.97      115.01033  (22071805)               491119.39
3616475.17      125.65004  (22071805)
        491097.68   3616514.37      119.65189  (22071805)               491086.83
3616533.97      113.15706  (22071805)
        491065.12   3616573.17      100.85089  (21061224)               491043.41
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        491032.55   3616631.97       94.53676  (21061224)               491000.19
3616657.83       80.10999  (21061224)
        490957.17   3616670.37       88.66587  (21030702)               490914.14
3616682.90      114.03900  (21030702)
        490871.12   3616695.44      134.09862  (21030702)               490828.10
3616707.97      141.83103  (21030702)
        490785.08   3616720.51      130.18643  (21030702)               490742.06
3616733.05      144.86058  (20042401)
        490699.04   3616745.58      137.51852  (20042401)               490656.02
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        490613.00   3616770.65      140.14153  (20051524)               490569.98
3616783.19      136.96495  (21081303)
        490526.95   3616795.72      124.03144  (21081303)               490483.93
3616808.26      129.17244  (22081405)
        490440.91   3616820.79      141.99657  (22111819)               490397.89
3616833.33      139.16725  (22111819)
        490354.87   3616845.86      131.31075  (20071124)               490311.85
3616858.40      115.23199  (20071124)
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        490268.83   3616870.93      122.38572  (22090420)                490225.81
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        490182.79   3616896.00      102.43190  (22090420)                490139.76
3616908.54       87.06412  (20042623)
        490096.74   3616921.07       96.89689  (22121818)                490053.72
3616933.61      113.04568  (22121818)
        490010.70   3616946.14      129.44023  (21122419)                489967.68
3616958.68      128.87203  (21122419)
        489924.66   3616971.21      109.36451  (21122419)                489881.64
3616983.75      109.50881  (20030321)
        489838.62   3616996.28      115.30826  (20030321)                489795.60
3617008.82      123.86340  (20101719)
        489752.58   3617021.35      129.90489  (20101719)                489709.55
3617033.89       62.09630  (20101719)
        489666.53   3617046.42       24.75879  (22010617)                489623.51
3617058.96       23.53036  (22010617)
        489580.49   3617071.49       21.63514  (22010617)                489537.47
3617084.03       19.26167  (22010617)
        489494.45   3617096.56       16.62069  (22010617)                489451.43
3617109.10       14.54445  (22062723)
        489408.41   3617121.63       13.31703  (20102918)                489365.39
3617134.17       12.16278  (20102918)
        489322.36   3617146.70       12.03085  (22040107)                489279.34
3617159.24       56.12343  (20100319)
        489236.32   3617171.77       49.12185  (20100319)                489193.30
3617184.31       17.39108  (22011619)
        489150.28   3617196.85       21.41806  (22011619)                489107.26
3617209.38       65.40478  (22011622)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                  PAGE 111
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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3617259.52       76.53150  (20071201)
        488892.15   3617272.06       71.52026  (20071201)               488849.13
3617284.59       63.35131  (20071201)
        492128.88   3614652.37       62.81362  (20122118)               492515.33
3614717.97       15.93950  (21051706)
        492504.41   3614737.67       15.70730  (21051706)               492493.50
3614757.38       15.23899  (21051706)
        492471.68   3614796.78       16.72730  (20022304)               492460.77
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        492449.86   3614836.19       18.93171  (20022304)               492438.95
3614855.89       20.57025  (21080423)
        492417.12   3614895.29       21.84601  (21080423)               492406.21
3614914.99       22.35691  (21090622)
        492395.30   3614934.70       25.07310  (20031323)               492384.39
3614954.40       27.88448  (20031323)
        492362.57   3614993.80       32.23343  (20031323)               492351.66
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3615052.91       34.67147  (20060120)
        492308.01   3615092.31       33.65623  (20060120)               492297.10
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        492286.19   3615131.72       33.13925  (21012102)               492275.28
3615151.42       37.03053  (20040701)
        492253.45   3615190.83       50.57583  (20040701)               492242.54
3615210.53       59.57370  (20040701)
        492231.63   3615230.23       71.22716  (22091101)               492220.72
3615249.93       76.22513  (22091101)
        492209.81   3615269.64       86.44523  (22091101)               492187.99
3615309.04       90.38869  (22091101)
        492177.07   3615328.74       90.40003  (22091101)               492166.16
3615348.44       89.09379  (21080823)
        492155.25   3615368.15       87.38109  (21080823)               492133.43
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        492100.69   3615466.66       69.69378  (20090624)               492078.87
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        492067.96   3615525.76       70.32343  (22071705)               492057.05
3615545.47       59.05067  (22061523)
        492046.14   3615565.17       53.39328  (22061523)               492024.31
3615604.57       46.68031  (21072403)
        492013.40   3615624.28       49.99547  (21072403)               492002.49
3615643.98       54.00313  (22073105)
        491991.58   3615663.68       60.28618  (22073105)               491980.67
3615683.38       65.81185  (22073105)
        491958.85   3615722.79       71.93565  (22073105)               491947.93
3615742.49       71.56450  (22073105)
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        491882.47   3615860.70       56.94034  (20122119)                491871.56
3615880.41       57.23326  (20122119)
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        491827.91   3615959.21       74.10040  (20092720)                491817.00
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3616235.05       92.63832  (22080806)
        491664.24   3616254.75       95.09636  (22080806)                491653.33
3616274.45       96.71583  (22080806)
        491642.42   3616294.15       91.00035  (22080806)                491620.59
3616333.56       70.47922  (22080806)
        491609.68   3616353.26       67.38710  (21071403)                491598.77
3616372.96       66.75947  (21071403)
        491587.86   3616392.66       64.53263  (22040523)                491566.04
3616432.07       73.33301  (22081404)
        491555.13   3616451.77       80.73075  (22081404)                491544.21
3616471.47       89.96744  (22081404)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 112
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
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3617184.54       86.19560  (20071124)
        490493.01   3617190.84       83.75861  (20071124)                490471.39
3617197.14       78.90603  (20071124)
        490449.76   3617203.44       78.42486  (20042722)                490406.52
3617216.04       93.67277  (22090420)
        490384.90   3617222.34       97.94450  (22090420)                490363.27
3617228.64       98.44144  (22090420)
        490341.65   3617234.94       96.21259  (22090420)                490320.03
3617241.24       93.30875  (22090420)
        490298.41   3617247.54       90.36471  (22090420)                490276.78
3617253.84       83.00416  (22090420)
        490255.16   3617260.14       81.93095  (20042623)                490233.54
3617266.44       91.79507  (22121818)
        490211.91   3617272.74      108.52001  (22121818)                490190.29
3617279.04      105.94696  (22121818)
        490168.67   3617285.34       86.21350  (22121818)                490147.05
3617291.64       77.65323  (22121818)
        490103.80   3617304.24       66.17122  (21122419)                490082.18
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        490060.55   3617316.85       54.05127  (21122419)                490038.93
3617323.15       12.75154  (22010617)
        490017.31   3617329.45       42.73517  (21122419)                489995.69
3617335.75       34.54146  (21122419)
        489974.06   3617342.05       37.87664  (21122419)                489952.44
3617348.35       33.19859  (21122419)
        489930.82   3617354.65       32.36171  (20101719)                489909.20
3617360.95       34.02723  (20101719)
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 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 113
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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489801.08	3617392.45	39.24448	(20101719)	489779.46	3617398.75	42.41338	(20101719)
489757.84	3617405.05	45.08575	(20101719)	489736.21	3617411.35	92.13082	(22091301)
489714.59	3617417.65	111.05990	(22091301)	489692.97	3617423.95	121.45085	(22091301)
489671.34	3617430.25	127.91026	(22091301)	489649.72	3617436.55	126.01786	(22091301)
489628.10	3617442.85	120.33149	(22091301)	489606.48	3617449.15	112.26230	(22091301)
489584.85	3617455.45	105.57782	(22102521)	489563.23	3617461.75	106.40659	(22080906)
489541.61	3617468.05	103.01662	(22080906)	489498.36	3617480.65	85.77582	(22080906)
489476.74	3617486.95	76.60819	(22080906)	489455.12	3617493.25	85.63862	(21081302)
489433.49	3617499.55	93.60058	(21081302)	489411.87	3617505.85	100.78151	(21081302)
489390.25	3617512.15	104.28756	(21081302)	489368.63	3617518.45	104.98547	(21081302)
489347.00	3617524.75	106.23691	(20100319)	489325.38	3617531.05	105.76680	(20100319)
489303.76	3617537.35	102.48082	(22120122)	489282.14	3617543.65	99.72642	(22120122)
489260.51	3617549.96	99.61880	(22011622)	489238.89	3617556.26	107.39273	(22011622)
489195.64	3617568.86	108.87047	(22011622)	489174.02	3617575.16	108.34460	(22011622)
489152.40	3617581.46	104.05816	(22011622)	489130.78	3617587.76	102.48223	(22011622)
489109.15	3617594.06	99.09679	(22011622)	489087.53	3617600.36	93.47638	(22011622)
489065.91	3617606.66	87.61947	(22011622)	489044.28	3617612.96	86.05323	(21081403)
489022.66	3617619.26	86.29799	(21081403)	489001.04	3617625.56	89.25237	(22090223)
488979.42	3617631.86	89.87727	(22090223)	488957.79	3617638.16	88.04303	(22090223)
488936.17	3617644.46	87.32116	(22012619)	488892.93	3617657.06	94.15236	(20071201)
488871.30	3617663.36	95.80161	(20071201)	488849.68	3617669.66	96.43307	(22031321)
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        492717.04   3615117.15       34.24364  (20031323)               492695.29
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        492543.09   3615431.24       75.03395  (22091101)               492521.35
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        492510.48   3615490.13       58.22616  (22091101)               492488.73
3615529.39       48.27940  (21080823)
        492466.99   3615568.65       44.79498  (20090624)               492445.25
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        492423.50   3615647.17       40.99641  (22071705)               492401.76
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        492336.53   3615804.21       30.09240  (22101401)               492314.79
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        492293.04   3615882.74       34.11157  (22073105)               492271.30
3615922.00       79.89410  (22073105)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE 114
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF VARIOUS  IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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492173.46	3616098.67	57.70119	(20122119)	492151.71	3616137.93	61.14167	(20031104)
492129.97	3616177.19	57.66376	(20031104)	492108.23	3616216.45	52.22539	(20031104)
492086.48	3616255.71	42.52571	(22101423)	492064.74	3616294.97	38.45693	(22101423)
492043.00	3616334.23	31.53565	(22101423)	492021.25	3616373.50	34.26754	(20101624)
492010.38	3616393.13	38.16534	(20101624)	491988.64	3616432.39	47.62793	(20101624)
491966.90	3616471.65	52.39142	(22080806)	491945.15	3616510.91	68.52181	(22080806)
491923.41	3616550.17	62.76635	(22080806)	491901.67	3616589.43	54.90892	(21071403)
491879.92	3616628.69	54.91033	(21071403)	491858.18	3616667.95	56.36800	(22040523)
491836.44	3616707.21	56.04893	(22081404)	491814.69	3616746.47	55.87298	(22081404)
491792.95	3616785.73	40.32387	(20042501)	491771.21	3616824.99	41.39509	(22053124)
491760.34	3616844.63	40.99312	(22053124)	491738.59	3616883.89	42.19596	(21090701)
491716.85	3616923.15	39.00377	(21090701)	491695.11	3616962.41	32.61975	(21090701)
491673.36	3617001.67	29.39914	(21072505)	491651.62	3617040.93	34.09124	(22071805)
491629.88	3617080.19	48.66988	(22071805)	491608.14	3617119.45	69.35474	(22071805)
491586.39	3617158.71	65.31774	(22013119)	491564.65	3617197.97	67.57811	(21061224)
491542.91	3617237.23	64.74679	(21061224)	491499.62	3617282.77	48.55559	(20012520)
491456.53	3617295.33	55.06647	(20012520)	491413.44	3617307.88	46.25657	(20012520)
491370.36	3617320.43	39.39516	(21030702)	491327.27	3617332.99	53.48226	(21030702)
491284.18	3617345.54	66.77185	(21030702)	491241.09	3617358.10	82.11746	(21030702)
491198.00	3617370.65	89.19456	(21030702)	491154.92	3617383.21	69.85882	(20042401)

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        491111.83   3617395.76       66.09989  (20042401)                491068.74
3617408.32       63.51980  (20051524)
        491025.65   3617420.87       81.88473  (20051524)                491004.11
3617427.15       80.95089  (20051524)
        490961.02   3617439.70       75.90772  (21081303)                490917.93
3617452.26       75.49789  (21081303)
        490874.85   3617464.81       67.43800  (21081303)                490831.76
3617477.37       72.29336  (22081405)
        490788.67   3617489.92       76.82408  (22111819)                490745.58
3617502.48       79.57149  (22111819)
        490702.49   3617515.03       87.74694  (20071124)                490659.41
3617527.59       91.15805  (20071124)
        490616.32   3617540.14       81.83977  (20071124)                490573.23
3617552.69       86.23059  (22090420)
        490530.14   3617565.25       98.47946  (22090420)                490487.06
3617577.80      101.57545  (22090420)
        490443.97   3617590.36       92.95367  (22090420)                490400.88
3617602.91       77.32177  (22090420)
        490357.79   3617615.47       88.44316  (22121818)                490314.70
3617628.02       99.57660  (22121818)
        490271.62   3617640.58       92.42403  (22121818)                490228.53
3617653.13       78.67378  (21122419)
        490185.44   3617665.69       55.39050  (21122419)                490142.35
3617678.24       62.64683  (21122419)
        490099.27   3617690.79       60.85621  (21122419)                490056.18
3617703.35       77.99220  (20030321)
        490034.63   3617709.63       82.25453  (20030321)                489991.55
3617722.18       78.76725  (20030321)
        489948.46   3617734.74       98.28965  (20101719)                489905.37
3617747.29       96.39514  (20101719)
        489862.28   3617759.84       82.04630  (20082204)                489819.20
3617772.40       82.93974  (22071804)
        489776.11   3617784.95       88.61533  (22091301)                489733.02
3617797.51       89.29965  (22091301)
        489689.93   3617810.06       79.20086  (22091301)                489646.84
3617822.62       71.37946  (22080906)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 115
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
489603.76	3617835.17	76.09334	(22080906)	489560.67	3617847.73	72.63824	(22080906)
489517.58	3617860.28	57.15052	(22080906)	489474.49	3617872.84	64.45471	(21081302)
489431.41	3617885.39	69.18946	(21081302)	489388.32	3617897.95	70.25391	(21081302)
489345.23	3617910.50	74.95667	(20100319)	489302.14	3617923.05	78.25467	(22120122)
489259.05	3617935.61	84.13427	(22120122)	489237.51	3617941.89	91.79446	(22011622)
489194.42	3617954.44	104.86724	(22011622)	489151.33	3617967.00	111.28321	(22011622)
489108.25	3617979.55	104.09184	(22011622)	489065.16	3617992.10	84.18692	(22011622)
489022.07	3618004.66	68.06747	(21081403)	488978.98	3618017.21	71.38944	(22090223)
488935.90	3618029.77	75.73005	(22090223)	488892.81	3618042.32	76.14998	(20071201)
488849.72	3618054.88	84.63572	(20071201)	488806.63	3618067.43	87.59948	(22031321)
488763.55	3618079.99	75.96938	(22031321)	492926.18	3614721.75	22.69343	(21112917)
489149.03	3614310.57	5100.66138	(20010718)	489146.78	3614335.47	3107.86853	(22011619)
489133.23	3614484.85	978.77577	(22011619)	489128.72	3614534.65	768.59332	(22011619)
489124.21	3614584.44	623.89041	(22011619)	489106.15	3614783.63	335.63932	(22011619)
489097.12	3614883.22	266.30765	(22011619)	489039.12	3615681.24	89.35875	(22011619)
489191.52	3614354.60	2229.76125	(22010617)	489273.89	3614455.44	720.71076	(22110620)
489144.12	3614877.45	273.00397	(22011619)	489499.08	3614898.65	145.15788	(22110620)
489466.02	3614905.77	152.72132	(22110620)	489157.43	3614972.23	204.09633	(22011619)
489113.34	3614981.73	232.21428	(22011619)	489548.23	3614985.71	118.97683	(22110620)
489526.04	3614990.49	126.50784	(22110620)	489492.75	3614997.66	125.18232	(22110620)
489448.37	3615007.22	106.74493	(21083002)	489569.25	3614977.71	474.09817	(20051524)

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        489646.79   3615159.78      324.32138  (20051524)                489613.81
3615166.88       92.14289  (22110620)
        489580.84   3615173.98       93.60684  (22110620)                489558.86
3615178.71       89.52005  (22110620)
        489525.88   3615185.82       80.41691  (21083002)                489481.92
3615195.29       70.14832  (21083002)
        489437.95   3615204.75       87.06979  (22010617)                489393.99
3615214.22      105.97494  (22010617)
        489745.14   3615333.89      270.42243  (20051524)                489722.94
3615338.67      213.32646  (22110620)
        489700.75   3615343.45       71.85402  (22110620)                489678.56
3615348.23       73.29709  (22110620)
        489656.37   3615353.01       72.28220  (22110620)                489634.17
3615357.79       69.04769  (22110620)
        489611.98   3615362.57       63.92033  (22110620)                489589.79
3615367.35       62.33505  (21083002)
        489567.60   3615372.13       59.26593  (21083002)                489545.41
3615376.91       54.59942  (21083002)
        489523.21   3615381.69       53.17725  (22010617)                489501.02
3615386.46       61.95540  (22010617)
        489478.83   3615391.24       70.25032  (22010617)                489434.45
3615400.80       82.65037  (22010617)
        489390.06   3615410.36       86.83367  (22010617)                489345.68
3615419.92       81.66000  (22010617)
        489301.29   3615429.48       68.17712  (22010617)                489256.91
3615439.04       50.97517  (22010617)
        489766.15   3615325.89      205.59790  (20051524)                489843.66
3615507.96      179.62163  (20051524)
        489821.62   3615512.71      161.34922  (22110620)                489799.58
3615517.46      155.73652  (22110620)
        489777.54   3615522.20       58.25607  (22110620)                489755.49
3615526.95       58.89191  (22110620)
        489733.45   3615531.70       58.00427  (22110620)                489711.41
3615536.45       55.57348  (22110620)
        489689.37   3615541.19       51.88480  (22110620)                489667.33
3615545.94       51.02865  (21083002)
        489645.28   3615550.69       49.28522  (21083002)                489623.24
3615555.44       46.41504  (21083002)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE 116
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
489601.20	3615560.18	42.62521	(21083002)	489579.16	3615564.93	41.50800	(22010617)
489557.11	3615569.68	47.95248	(22010617)	489535.07	3615574.43	54.17499	(22010617)
489513.03	3615579.17	59.84527	(22010617)	489490.99	3615583.92	64.62209	(22010617)
489468.95	3615588.67	68.19694	(22010617)	489446.90	3615593.42	70.29652	(22010617)
489424.86	3615598.16	70.77847	(22010617)	489391.80	3615605.28	68.42993	(22010617)
489347.71	3615614.78	60.30771	(22010617)	489303.63	3615624.27	48.50856	(22010617)
489942.04	3615682.07	220.12316	(20051524)	489919.85	3615686.85	192.52132	(22081405)
489897.66	3615691.63	177.67106	(22110620)	489875.46	3615696.41	170.24941	(22110620)
489853.27	3615701.19	163.84344	(22110620)	489831.08	3615705.97	141.85108	(22110620)
489808.89	3615710.75	47.50165	(22110620)	489786.69	3615715.53	45.58953	(22110620)
489764.50	3615720.31	42.85177	(21083002)	489742.31	3615725.08	42.63122	(21083002)
489720.12	3615729.86	41.50829	(21083002)	489697.93	3615734.64	39.54217	(21083002)
489675.73	3615739.42	36.88758	(21083002)	489653.54	3615744.20	33.71756	(21083002)
489631.35	3615748.98	34.22825	(22010617)	489609.16	3615753.76	39.13907	(22010617)
489586.97	3615758.54	43.95257	(22010617)	489564.77	3615763.32	48.44155	(22010617)
489542.58	3615768.10	52.37077	(22010617)	489520.39	3615772.88	55.52918	(22010617)
489498.20	3615777.66	57.61671	(22010617)	489476.00	3615782.44	58.78320	(22010617)
489453.81	3615787.22	58.77636	(22010617)	489431.62	3615792.00	57.56682	(22010617)
489409.43	3615796.78	55.27956	(22010617)	489387.24	3615801.56	52.05341	(22010617)
489342.85	3615811.12	43.56746	(22010617)	489298.47	3615820.68	33.87515	(22010617)

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        489963.06   3615674.07      241.37490  (20051524)                490040.55
3615856.14      210.77791  (21081303)
        490018.47   3615860.90      205.75534  (22081405)                489996.40
3615865.65      218.75880  (22111819)
        489974.32   3615870.41      228.22015  (22111819)                489952.25
3615875.16      225.67936  (22111819)
        489930.17   3615879.92      219.58412  (20071124)                489908.10
3615884.67      212.05402  (20071124)
        489886.02   3615889.43      192.02335  (20071124)                489863.95
3615894.18      191.17568  (22090420)
        489841.87   3615898.94      179.40143  (22090420)                489819.80
3615903.69      147.99625  (22090420)
        489797.72   3615908.44      111.69173  (22090420)                489775.65
3615913.20       98.91184  (22121818)
        489753.57   3615917.95       32.54457  (21083002)                489731.50
3615922.71       30.31044  (21083002)
        489709.42   3615927.46       27.71206  (21083002)                489687.34
3615932.22       28.07393  (22010617)
        489665.27   3615936.97       31.84443  (22010617)                489643.19
3615941.73      139.42412  (21122419)
        489621.12   3615946.48      143.57616  (21122419)                489599.04
3615951.24      123.39079  (21122419)
        489576.97   3615955.99       45.51231  (22010617)                489554.89
3615960.74       47.77114  (22010617)
        489532.82   3615965.50       49.28456  (22010617)                489510.74
3615970.25       50.01560  (22010617)
        489488.67   3615975.01       49.91284  (22010617)                489466.59
3615979.76       48.99548  (22010617)
        489444.52   3615984.52       47.29541  (22010617)                489422.44
3615989.27       44.89542  (22010617)
        489400.37   3615994.03       41.92518  (22010617)                489378.29
3615998.78       38.52570  (22010617)
        489334.14   3616008.29       31.03559  (22010617)                489289.99
3616017.80       25.67803  (20102918)
        490237.44   3616204.33      109.01906  (21081303)                490215.35
3616209.09      102.61604  (21081303)
        490193.25   3616213.84      115.99056  (22081405)                490171.15
3616218.60      131.26510  (22081405)
        490149.06   3616223.36      144.97785  (20061021)                490126.96
3616228.12      164.03839  (22111819)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                  PAGE 117
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
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INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
490104.86	3616232.88	178.02846	(20071124)	490082.77	3616237.64	185.11516	(20071124)
490060.67	3616242.40	180.24362	(20071124)	490038.57	3616247.16	167.05472	(20071124)
490016.48	3616251.92	177.68055	(22090420)	489994.38	3616256.68	185.06548	(22090420)
489972.29	3616261.44	186.53223	(22090420)	489950.19	3616266.19	179.90127	(22090420)
489928.09	3616270.95	165.32774	(22090420)	489906.00	3616275.71	149.55704	(22121818)
489883.90	3616280.47	167.82111	(22121818)	489861.80	3616285.23	173.00121	(22121818)
489839.71	3616289.99	135.72077	(22121818)	489817.61	3616294.75	19.35623	(21083002)
489795.51	3616299.51	20.23365	(22010617)	489773.42	3616304.27	22.75695	(22010617)
489751.32	3616309.03	25.32004	(22010617)	489729.22	3616313.79	27.81566	(22010617)
489707.13	3616318.54	30.18465	(22010617)	489685.03	3616323.30	32.35194	(22010617)
489662.94	3616328.06	34.24572	(22010617)	489640.84	3616332.82	35.79743	(22010617)
489618.74	3616337.58	36.94300	(22010617)	489596.65	3616342.34	37.64385	(22010617)
489574.55	3616347.10	37.86656	(22010617)	489552.45	3616351.86	37.57419	(22010617)
489530.36	3616356.62	84.17502	(22091301)	489508.26	3616361.38	153.61795	(22091301)
489486.16	3616366.14	145.31341	(22091301)	489464.07	3616370.90	123.29314	(22091301)
489441.97	3616375.65	102.98091	(22102521)	489419.87	3616380.41	27.63816	(22010617)
489397.78	3616385.17	25.18000	(22010617)	489375.68	3616389.93	22.64585	(22010617)
489353.58	3616394.69	20.90777	(22062723)	489331.49	3616399.45	19.77231	(20102918)
489309.39	3616404.21	18.69409	(20102918)	489287.30	3616408.97	18.14134	(22012519)

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        489243.10   3616418.49       19.91929  (22012519)                489198.91
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        489154.72   3616437.52       35.05883  (22011619)                490434.26
3616552.52      134.61687  (20051524)
        490411.98   3616557.32      140.38501  (21081303)                490389.71
3616562.12      137.56961  (22081405)
        490367.44   3616566.92      142.91358  (22111819)                490345.16
3616571.71      150.97946  (22111819)
        490322.89   3616576.51      145.95086  (22111819)                490300.62
3616581.31      124.36634  (22111819)
        490278.34   3616586.11      118.10526  (22110620)                490256.07
3616590.90      136.09714  (20071124)
        490233.79   3616595.70      142.77671  (20071124)                490211.52
3616600.50      136.48079  (20071124)
        490189.25   3616605.29      124.92118  (22090420)                490166.97
3616610.09      129.85205  (22090420)
        490144.70   3616614.89      136.12233  (22090420)                490122.43
3616619.69      147.20874  (22090420)
        490100.15   3616624.48      150.08141  (22090420)                490077.88
3616629.28      144.20836  (22090420)
        490055.61   3616634.08      131.25297  (22090420)                490033.33
3616638.88      122.12289  (22121818)
        490011.06   3616643.67      137.21712  (22121818)                489988.78
3616648.47      147.51336  (22121818)
        489966.51   3616653.27      153.36474  (22121818)                489944.24
3616658.07      157.62243  (21122419)
        489921.96   3616662.86      166.14123  (21122419)                489899.69
3616667.66      167.64386  (21122419)
        489877.42   3616672.46      162.35749  (21122419)                489855.14
3616677.25      151.49703  (21122419)
        489832.87   3616682.05      135.84790  (21122419)                489810.59
3616686.85      136.18804  (20030321)
        489788.32   3616691.65      140.35966  (20030321)                489766.05
3616696.44      140.17569  (20030321)
        489743.77   3616701.24      135.75728  (20101719)                489721.50
3616706.04      144.33752  (20101719)
        489699.23   3616710.84      147.61602  (20101719)                489676.95
3616715.63      145.19111  (20101719)
        489654.68   3616720.43      138.82180  (20101719)                489632.40
3616725.23      133.62007  (22091301)
        489610.13   3616730.02      142.49410  (22091301)                489587.86
3616734.82      146.05127  (22091301)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE 118
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
489565.58	3616739.62	144.22793	(22091301)	489543.31	3616744.42	135.35295	(22091301)
489521.04	3616749.21	119.61055	(22091301)	489498.76	3616754.01	109.51466	(22102521)
489476.49	3616758.81	104.37407	(22102521)	489454.22	3616763.61	95.55584	(22102521)
489431.94	3616768.40	85.21722	(22102521)	489409.67	3616773.20	74.99381	(22102521)
489387.39	3616778.00	61.99155	(20100319)	489365.12	3616782.79	59.05710	(20100319)
489342.85	3616787.59	14.81807	(20102918)	489320.57	3616792.39	13.97102	(20102918)
489298.30	3616797.19	14.48273	(22012519)	489276.03	3616801.98	15.17756	(22012519)
489253.75	3616806.78	15.76313	(22012519)	489231.48	3616811.58	17.10077	(22011619)
489209.20	3616816.38	19.74635	(22011619)	489164.66	3616825.97	25.19569	(22011619)
490455.32	3616544.52	138.23970	(20051524)	490631.17	3616900.70	107.71646	(21081303)
490608.90	3616905.50	88.76378	(21081303)	490586.64	3616910.29	71.23664	(21081303)
490564.38	3616915.09	73.53579	(22081405)	490542.12	3616919.88	79.30970	(22081405)
490519.85	3616924.68	81.82192	(22081405)	490497.59	3616929.47	84.95295	(20061021)
490475.33	3616934.27	89.72182	(20061021)	490453.07	3616939.06	96.09317	(20071124)
490430.80	3616943.86	107.35266	(20071124)	490408.54	3616948.65	100.48560	(20071124)
490386.28	3616953.45	86.60664	(20071124)	490364.01	3616958.24	76.48925	(20071124)
490341.75	3616963.04	77.82431	(20042722)	490319.49	3616967.83	85.25509	(22090420)
490297.23	3616972.63	92.72532	(22090420)	490274.96	3616977.42	99.40863	(22090420)

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        490252.70   3616982.22       96.89230  (22090420)                490230.44
3616987.01       93.61960  (22090420)
        490208.17   3616991.81       89.44457  (22090420)                490185.91
3616996.60       82.36826  (20042623)
        490163.65   3617001.40       84.90168  (20042623)                490141.39
3617006.19       89.78153  (22121818)
        490119.12   3617010.99      102.58215  (22121818)                490096.86
3617015.78      116.59536  (22121818)
        490074.60   3617020.58      125.00561  (22121818)                490052.34
3617025.37      135.81904  (21122419)
        490030.07   3617030.17      143.24164  (21122419)                490007.81
3617034.96      143.44465  (21122419)
        489985.55   3617039.76      138.94270  (21122419)                489963.28
3617044.55      129.77602  (21122419)
        489941.02   3617049.35      117.76475  (21122419)                489918.76
3617054.14      112.28965  (20030321)
        489896.50   3617058.94      119.04702  (20030321)                489874.23
3617063.73      121.60616  (20030321)
        489851.97   3617068.53      119.11362  (20030321)                489829.71
3617073.32      110.96617  (20101719)
        489807.44   3617078.12       94.09655  (20101719)                489785.18
3617082.91       46.60082  (20101719)
        489762.92   3617087.71       24.02046  (22010617)                489740.66
3617092.50       39.33079  (22010617)
        489718.39   3617097.30       24.38594  (22010617)                489696.13
3617102.09       24.27642  (22010617)
        489673.87   3617106.89       23.95703  (22010617)                489651.60
3617111.68       23.41999  (22010617)
        489629.34   3617116.48       22.70863  (22010617)                489607.08
3617121.27       21.84504  (22010617)
        489584.82   3617126.07       20.84310  (22010617)                489562.55
3617130.86       19.72161  (22010617)
        489540.29   3617135.65       18.50615  (22010617)                489518.03
3617140.45       17.22536  (22010617)
        489495.77   3617145.24       15.90988  (22010617)                489473.50
3617150.04       14.67324  (22062723)
        489451.24   3617154.83       14.08717  (22062723)                489428.98
3617159.63       13.40822  (22062723)
        489406.71   3617164.42       45.93001  (20100319)                489384.45
3617169.22       61.56027  (20100319)
        489362.19   3617174.01       64.12508  (20100319)                489339.93
3617178.81       55.87010  (20100319)
        489317.66   3617183.60       12.00451  (22040107)                489295.40
3617188.40       12.21765  (22012519)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
489273.14	3617193.19	49.46997	(20100319)	489250.87	3617197.99	49.93172	(20100319)
489228.61	3617202.78	45.10579	(20100319)	489206.35	3617207.58	15.94441	(22011619)
489184.09	3617212.37	17.97909	(22011619)	489161.82	3617217.17	20.07414	(22011619)
489139.56	3617221.96	22.08022	(22011619)	489095.04	3617231.55	79.93863	(22011622)
489050.51	3617241.14	74.86090	(21081403)	490652.22	3616892.70	122.59627	(21081303)
490828.08	3617248.88	102.13438	(21081303)	490805.82	3617253.67	102.19998	(21081303)
490783.57	3617258.47	96.65127	(21081303)	490761.31	3617263.26	89.52046	(22081405)
490739.06	3617268.05	91.19338	(22081405)	490716.80	3617272.85	89.87260	(22081405)
490694.55	3617277.64	85.76798	(22081405)	490672.29	3617282.43	84.62382	(22111819)
490650.04	3617287.23	83.80912	(20061021)	490627.79	3617292.02	81.47579	(20071124)
490605.53	3617296.81	81.64338	(20071124)	490583.28	3617301.61	77.27904	(20071124)
490561.02	3617306.40	71.95261	(20071124)	490538.77	3617311.19	69.90111	(20071124)
490516.51	3617315.99	66.74595	(20071124)	490494.26	3617320.78	72.12553	(20042722)
490472.00	3617325.57	80.47775	(22090420)	490449.75	3617330.36	89.69150	(22090420)
490427.50	3617335.16	97.65769	(22090420)	490405.24	3617339.95	102.16017	(22090420)
490382.99	3617344.74	101.05456	(22090420)	490360.73	3617349.54	95.64516	(22090420)
490338.48	3617354.33	87.95898	(22090420)	490316.22	3617359.12	78.73371	(22090420)

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        490293.97   3617363.92       79.12195  (20042623)               490271.71
3617368.71       90.55686  (22121818)
        490249.46   3617373.50       96.50616  (22121818)               490227.21
3617378.30       89.62090  (22121818)
        490204.95   3617383.09       85.75102  (22121818)               490182.70
3617387.88       81.27857  (22121818)
        490160.44   3617392.68       71.77842  (22121818)               490138.19
3617397.47       55.74983  (22121818)
        490115.93   3617402.26       45.61133  (22121818)               490093.68
3617407.06       64.26703  (21122419)
        490071.42   3617411.85       55.50661  (21122419)               490049.17
3617416.64       55.21021  (21122419)
        490026.92   3617421.43       53.76420  (21122419)               490004.66
3617426.23       51.06368  (21122419)
        489982.41   3617431.02       48.76781  (21122419)               489960.15
3617435.81       53.37892  (20101719)
        489937.90   3617440.61       67.85314  (20101719)               489915.64
3617445.40       78.67401  (20101719)
        489893.39   3617450.19       89.30333  (20101719)               489871.13
3617454.99       96.34717  (20101719)
        489848.88   3617459.78      102.36096  (20101719)               489826.63
3617464.57      107.49945  (20101719)
        489804.37   3617469.37      106.06514  (20101719)               489782.12
3617474.16      105.51206  (22071804)
        489759.86   3617478.95      109.63188  (22071804)               489737.61
3617483.75      113.21231  (22091301)
        489715.35   3617488.54      119.30872  (22091301)               489693.10
3617493.33      121.75773  (22091301)
        489670.84   3617498.12      119.00831  (22091301)               489648.59
3617502.92      112.01047  (22091301)
        489626.34   3617507.71      102.87521  (22091301)               489604.08
3617512.50       96.20120  (22080906)
        489581.83   3617517.30      100.36944  (22080906)               489559.57
3617522.09      102.06706  (22080906)
        489537.32   3617526.88       97.37711  (22080906)               489515.06
3617531.68       87.73114  (22080906)
        489492.81   3617536.47       77.45610  (22080906)               489470.55
3617541.26       78.83300  (21081302)
        489448.30   3617546.06       87.68598  (21081302)               489426.05
3617550.85       95.58083  (21081302)
        489403.79   3617555.64      100.48573  (21081302)               489381.54
3617560.44      102.55248  (21081302)
        489359.28   3617565.23      102.81759  (20100319)               489337.03
3617570.02      104.94216  (20100319)
        489314.77   3617574.82      102.66303  (20100319)               489292.52
3617579.61      100.93596  (22120122)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
489270.26	3617584.40	97.47079	(22120122)	489248.01	3617589.19	104.22485	(22011622)
489225.76	3617593.99	110.65723	(22011622)	489203.50	3617598.78	112.35843	(22011622)
489181.25	3617603.57	111.51379	(22011622)	489158.99	3617608.37	111.06990	(22011622)
489136.74	3617613.16	108.61794	(22011622)	489114.48	3617617.95	103.75452	(22011622)
489092.23	3617622.75	97.57573	(22011622)	490849.12	3617240.87	96.31401	(21081303)
491024.98	3617597.06	52.50893	(21081303)	491002.73	3617601.85	59.18215	(21081303)
490980.49	3617606.64	57.49904	(21081303)	490958.24	3617611.44	56.48297	(21081303)
490935.99	3617616.23	59.74157	(22081405)	490913.74	3617621.02	63.26118	(22081405)
490891.50	3617625.81	66.21611	(22081405)	490869.25	3617630.60	68.04859	(22081405)
490847.00	3617635.39	74.50240	(22111819)	490824.75	3617640.19	77.12843	(22111819)
490802.50	3617644.98	78.77253	(22111819)	490780.26	3617649.77	81.20396	(20071124)
490758.01	3617654.56	84.68353	(20071124)	490735.76	3617659.35	85.60069	(20071124)
490713.51	3617664.14	82.78302	(20071124)	490691.26	3617668.94	78.29093	(20071124)
490669.02	3617673.73	71.62770	(20071124)	490646.77	3617678.52	73.93786	(20042722)
490624.52	3617683.31	80.73268	(22090420)	490602.27	3617688.10	87.71681	(22090420)
490580.03	3617692.89	92.34938	(22090420)	490557.78	3617697.69	94.45471	(22090420)

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        490535.53   3617702.48       94.77137  (22090420)                490513.28
3617707.27       92.38291  (22090420)
        490491.03   3617712.06       87.47274  (22090420)                490468.79
3617716.85       80.70046  (22090420)
        490446.54   3617721.64       73.26993  (22090420)                490424.29
3617726.44       74.90764  (22121818)
        490402.04   3617731.23       81.31248  (22121818)                490379.79
3617736.02       84.87911  (22121818)
        490357.55   3617740.81       85.74679  (22121818)                490335.30
3617745.60       85.74998  (22121818)
        490313.05   3617750.40       84.83996  (22121818)                490290.80
3617755.19       81.30655  (22121818)
        490268.56   3617759.98       69.02500  (21122419)                490246.31
3617764.77       42.58817  (22121818)
        490224.06   3617769.56       68.17703  (21122419)                490201.81
3617774.35       68.11367  (21122419)
        490179.56   3617779.15       66.89240  (21122419)                490157.32
3617783.94       65.12011  (21122419)
        490135.07   3617788.73       74.98902  (21122419)                490112.82
3617793.52       87.62852  (20030321)
        490090.57   3617798.31       91.63826  (20030321)                490068.32
3617803.10       94.15953  (20030321)
        490046.08   3617807.90       94.43549  (20030321)                490023.83
3617812.69       92.79864  (20030321)
        490001.58   3617817.48       89.39089  (20030321)                489979.33
3617822.27       93.24867  (20101719)
        489957.08   3617827.06       97.27669  (20101719)                489934.84
3617831.85       98.99288  (20101719)
        489912.59   3617836.65       97.85637  (20101719)                489890.34
3617841.44       95.09933  (20101719)
        489868.09   3617846.23       87.69246  (20082204)                489845.85
3617851.02       84.53629  (22071804)
        489823.60   3617855.81       85.98166  (22071804)                489801.35
3617860.61       87.93757  (22091301)
        489779.10   3617865.40       87.00354  (22091301)                489756.85
3617870.19       93.15548  (22091301)
        489734.61   3617874.98       94.57813  (22091301)                489712.36
3617879.77       94.84162  (22091301)
        489690.11   3617884.56       92.19822  (22091301)                489667.86
3617889.36       86.55760  (22091301)
        489645.61   3617894.15       87.51512  (22080906)                489623.37
3617898.94       87.67004  (22080906)
        489601.12   3617903.73       80.40883  (22080906)                489578.87
3617908.52       74.97709  (22080906)
        489556.62   3617913.31       67.00785  (22080906)                489534.38
3617918.11       57.53802  (22080906)
        489512.13   3617922.90       49.96167  (21081302)                489489.88
3617927.69       55.28248  (21081302)
1 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF VARIOUS IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
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        489270.78   3614266.52     1606.94007  (20122118)                489267.56
3614240.03     1782.04094  (20122118)
        489318.82   3614251.72     1084.02958  (20122118)                489317.56
3614276.34      940.73071  (20122118)
        489315.02   3614325.57      931.56036  (22080806)                489315.57
3614226.06      840.08622  (20122118)
        489366.79   3614238.57      655.73884  (20122118)                489365.43
3614264.82      726.53529  (20122118)
        489362.05   3614330.46      469.36960  (20020621)                489343.33
3614376.46      989.75051  (22080806)
        489363.58   3614212.08      605.50087  (22011903)                489414.77
3614225.14      418.13966  (20122118)
        489413.36   3614252.49      535.24330  (20122118)                489411.95
3614279.84      524.10383  (20122118)
        489408.42   3614348.21      349.37022  (20020621)                489388.92
3614396.13      685.23608  (22080806)
        489370.84   3614416.70      774.51862  (22080806)                489307.55
3614488.68      502.72914  (22110620)
        489411.58   3614198.10      460.85537  (22011903)                489462.80
3614210.61      285.93785  (20020621)
        489461.45   3614236.87      370.26052  (20122118)                489460.09
3614263.12      426.02507  (20122118)
        489458.74   3614289.38      399.91574  (20122118)                489456.03
3614341.89      278.49759  (20020621)
        489454.00   3614381.28      261.24559  (20020621)                489444.64
3614404.28      357.11472  (22080806)
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3614522.74      351.66106  (22110620)
        489459.59   3614184.12      364.78924  (22011903)                489558.78
3614183.35      212.71521  (22011903)
        489557.35   3614210.98      188.46752  (20122118)                489555.93
3614238.62      246.12623  (20122118)
        489554.50   3614266.26      282.11064  (20122118)                489553.08
3614293.90      275.29414  (20122118)
        489547.38   3614404.45      168.21585  (20020621)                489536.81
3614442.48      171.67515  (22080806)
        489518.54   3614463.26      287.54034  (22080806)                489500.26
3614484.05      397.47421  (22080806)
        489472.85   3614515.22      412.68891  (22080806)                489555.60
3614156.17      248.19155  (22011903)
        489654.80   3614155.25      293.97609  (22011903)                489653.39
3614182.60      132.96280  (22011903)
        489651.98   3614209.95      136.09138  (20122118)                489650.57
3614237.30      512.41976  (20122118)
        489649.16   3614264.65      612.68571  (20122118)                489647.75
3614292.00      201.59968  (20122118)
        489646.34   3614319.35      184.16549  (20122118)                489640.69
3614428.75      119.12553  (21121907)
        489639.28   3614456.10      121.02347  (21121907)                489629.54
3614480.06      119.79849  (21121907)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
489611.45	3614500.62	151.58890	(22080806)	489593.37	3614521.19	225.41230	(22080806)
489575.28	3614541.76	552.85261	(22080806)	489457.74	3614675.44	138.85825	(22040621)
489651.61	3614128.21	181.65565	(22011903)	489750.82	3614127.20	134.61455	(22011903)
489749.42	3614154.36	116.40881	(22011903)	489748.02	3614181.52	100.29758	(21121907)
489746.61	3614208.68	105.34061	(20122118)	489745.21	3614235.84	133.15615	(20122118)
489743.81	3614263.00	152.55046	(20122118)	489742.41	3614290.17	161.27300	(20122118)
489741.01	3614317.33	155.39746	(20122118)	489735.41	3614425.97	97.13016	(21121907)
489734.01	3614453.13	95.18858	(21121907)	489732.61	3614480.30	93.11950	(21121907)
489722.23	3614517.67	91.69647	(21121907)	489704.27	3614538.10	93.29212	(21121907)
489686.31	3614558.52	136.11419	(22080806)	489668.35	3614578.94	190.70334	(22080806)
489650.39	3614599.37	236.42447	(22080806)	489632.43	3614619.79	255.51877	(22080806)
489515.69	3614752.56	99.85788	(22040621)	489747.63	3614100.25	141.88374	(22011903)
489846.83	3614099.17	110.51945	(22011903)	489845.44	3614126.20	99.61707	(22011903)
489844.05	3614153.23	82.78704	(22011903)	489842.65	3614180.26	76.17653	(21121907)

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        489841.26   3614207.29       85.28717  (20122118)              489839.86
3614234.32      103.34857  (20122118)
        489838.47   3614261.34      119.01833  (20122118)              489837.08
3614288.37      127.78138  (20122118)
        489835.68   3614315.40      127.55292  (20122118)              489834.29
3614342.43      118.39275  (20122118)
        489828.01   3614464.06       75.05915  (21121907)              489826.62
3614491.09       73.79819  (21121907)
        489825.23   3614518.11       72.29757  (21121907)              489814.90
3614555.30       71.50925  (21121907)
        489797.03   3614575.63       72.76780  (21121907)              489779.15
3614595.95       82.88744  (22080806)
        489761.28   3614616.28      119.97691  (22080806)              489743.41
3614636.60      159.96331  (22080806)
        489725.54   3614656.93      192.72126  (22080806)              489707.67
3614677.25      207.60962  (22080806)
        489680.86   3614707.74      187.10561  (22080806)              489591.51
3614809.36      331.66020  (21061224)
        489573.64   3614829.69      579.86810  (21030702)              489843.64
3614072.30      114.06167  (22011903)
        489942.83   3614071.52       92.41303  (22011903)              489941.40
3614099.16       85.35851  (22011903)
        489939.98   3614126.80       73.45927  (22011903)              489938.55
3614154.44       59.75483  (21121907)
        489937.13   3614182.07       60.83771  (21121907)              489935.70
3614209.71       71.64587  (20122118)
        489934.28   3614237.35       85.65668  (20122118)              489932.85
3614264.99       97.59295  (20122118)
        489931.43   3614292.63      105.25152  (20122118)              489930.00
3614320.27      105.77522  (20122118)
        489928.58   3614347.90       99.90264  (20122118)              489926.44
3614389.36       82.14297  (20122118)
        489921.45   3614486.09       60.84458  (21121907)              489920.02
3614513.73       59.87166  (21121907)
        489918.60   3614541.37       58.81874  (21121907)              489917.17
3614569.01       57.77262  (21121907)
        489907.32   3614593.22       57.75856  (21121907)              489889.05
3614614.00       58.20558  (21121907)
        489870.77   3614634.79       58.91574  (21121907)              489852.50
3614655.57       79.16998  (22080806)
        489834.23   3614676.35      109.71291  (22080806)              489815.95
3614697.13      140.31220  (22080806)
        489797.68   3614717.92      163.80562  (22080806)              489770.27
3614749.09      171.67514  (22080806)
        489678.89   3614853.01       70.40292  (22081404)              489651.48
3614884.18       58.46138  (21121907)
        489633.21   3614904.97      394.49333  (21030702)              489939.65
3614044.34      184.30866  (22011903)
        490134.86   3614015.47       69.26279  (22011903)              490133.45
3614042.82       66.49593  (22011903)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
490129.22	3614124.87	44.37126	(21121907)	490127.81	3614152.22	44.22242	(21121907)
490126.40	3614179.57	43.87960	(21121907)	490124.99	3614206.92	51.02293	(20122118)
490123.58	3614234.27	59.83388	(20122118)	490122.17	3614261.62	68.13088	(20122118)
490120.76	3614288.97	74.11827	(20122118)	490119.35	3614316.32	77.11438	(20122118)
490117.94	3614343.67	76.52115	(20122118)	490116.53	3614371.02	72.48596	(20122118)
490115.12	3614398.37	65.81997	(20122118)	490113.71	3614425.72	57.49765	(20122118)
490109.47	3614507.77	43.80684	(21121907)	490108.06	3614535.12	41.69712	(21121907)
490106.65	3614562.47	40.46856	(21121907)	490105.24	3614589.82	94.63995	(22100604)
490103.83	3614617.17	96.11320	(22071705)	490102.42	3614644.52	44.13347	(20122509)
490092.67	3614668.48	44.18639	(20122509)	490074.59	3614689.05	102.19905	(22101401)
490056.51	3614709.61	106.45619	(22101401)	490038.42	3614730.18	102.53062	(22101401)
490020.34	3614750.75	107.75138	(20031104)	490002.25	3614771.31	114.93184	(20031104)
489984.17	3614791.88	86.55861	(22080806)	489966.09	3614812.45	105.55743	(22080806)

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        489948.00   3614833.01      120.02817  (22080806)               489929.92
3614853.58      126.91178  (22080806)
        489812.37   3614987.26       54.52981  (22081404)               489785.25
3615018.11       42.45929  (21121907)
        489767.16   3615038.68       42.23999  (21121907)               489749.08
3615059.25       42.00324  (21121907)
        489730.99   3615079.81       45.05542  (22040621)               489685.78
3615131.23      380.11056  (20051524)
        490131.68   3613988.43       68.97953  (22011903)               490326.88
3613959.70       53.74621  (22011903)
        490325.46   3613987.34       52.69298  (22011903)               490324.03
3614014.98       49.52969  (22011903)
        490322.61   3614042.61       44.72929  (22011903)               490321.18
3614070.25       38.79785  (22011903)
        490319.75   3614097.89       32.79005  (21121907)               490318.33
3614125.53       32.96209  (21121907)
        490316.90   3614153.17       33.11479  (21121907)               490315.48
3614180.80       33.48773  (20122118)
        490314.05   3614208.44       39.44717  (20122118)               490312.63
3614236.08       45.60465  (20122118)
        490311.20   3614263.72       51.37786  (20122118)               490309.78
3614291.36       56.02588  (20122118)
        490308.35   3614318.99       58.92987  (20122118)               490306.93
3614346.63       59.67471  (20122118)
        490305.50   3614374.27       58.13881  (20122118)               490304.08
3614401.91       54.54768  (20122118)
        490302.65   3614429.55       49.48443  (20122118)               490301.22
3614457.18       43.60005  (20122118)
        490295.52   3614567.74       32.50255  (21121907)               490294.10
3614595.38       32.12651  (21121907)
        490292.67   3614623.01       31.84016  (21121907)               490291.25
3614650.65       31.76613  (20122509)
        490289.82   3614678.29       34.72789  (20122509)               490288.40
3614705.93       36.72172  (20122509)
        490277.83   3614743.96       37.62077  (20122509)               490259.56
3614764.74       37.06034  (20122509)
        490241.29   3614785.52       35.15337  (20122509)               490223.01
3614806.31       31.93216  (20122509)
        490204.74   3614827.09       31.83398  (21121907)               490186.46
3614847.87       34.52325  (22080806)
        490168.19   3614868.66       45.79286  (22080806)               490149.91
3614889.44      119.19620  (20031104)
        490131.64   3614910.22      151.25178  (20101624)               490113.36
3614931.01      219.45170  (20101624)
        490095.09   3614951.79      277.98067  (22080806)               490076.82
3614972.57      290.17987  (22080806)
        490058.54   3614993.36      281.10953  (22080806)               489939.76
3615128.45      236.11012  (22071805)
        489921.48   3615149.23      208.40324  (22071805)               489903.21
3615170.01      177.96120  (22071805)
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                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        490323.70   3613932.52   52.89987 (22011903)   490518.91
3613903.68   43.23930 (22011903)
        490517.50   3613931.12   42.99066 (22011903)   490516.08
3613958.55   41.38070 (22011903)
        490514.67   3613985.98   38.54373 (22011903)   490513.25
3614013.41   34.75067 (22011903)
        490511.84   3614040.84   30.34779 (22011903)   490510.42
3614068.28   25.71508 (22011903)
        490509.01   3614095.71   25.82698 (21121907)   490507.59
3614123.14   25.93132 (21121907)
        490506.18   3614150.57   26.01460 (21121907)   490504.77
3614178.00   28.35027 (22010509)
        490503.35   3614205.43   30.97522 (22010509)   490501.94
3614232.87   35.11548 (20122118)
        490500.52   3614260.30   39.35711 (20122118)   490499.11
3614287.73   43.03314 (20122118)
        490497.69   3614315.16   45.75617 (20122118)   490496.28
3614342.59   47.23789 (20122118)
        490494.86   3614370.03   47.31860 (20122118)   490493.45
3614397.46   45.96746 (20122118)
        490492.03   3614424.89   43.32853 (20122118)   490490.62
3614452.32   39.73359 (20122118)
        490489.20   3614479.75   35.59007 (20122118)   490487.79
3614507.18   31.13757 (20122118)

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        490483.54   3614589.48      106.49969  (20060120)              490481.42
3614630.63      110.96494  (21022619)
        490480.01   3614658.06       99.08952  (22100604)              490478.59
3614685.49      154.91853  (21080823)
        490477.18   3614712.92      141.19914  (21080823)              490475.76
3614740.36       87.36846  (20090624)
        490474.35   3614767.79       33.00825  (20122509)              490472.93
3614795.22       34.09574  (20122509)
        490463.16   3614819.25       34.37342  (20122509)              490445.02
3614839.88       33.40631  (20122509)
        490426.88   3614860.51       32.22594  (20122509)              490408.74
3614881.13       30.21956  (20122509)
        490390.61   3614901.76       27.62686  (20122509)              490372.47
3614922.39       24.87437  (21121907)
        490354.33   3614943.02       25.02937  (21121907)              490336.19
3614963.65       31.93174  (22080806)
        490318.05   3614984.27       92.68951  (20031104)              490299.92
3615004.90      110.33867  (20031104)
        490281.78   3615025.53      124.49370  (22080806)              490263.64
3615046.16      159.35144  (22080806)
        490245.50   3615066.79      215.67656  (22080806)              490227.36
3615087.41      217.39316  (22080806)
        490209.23   3615108.04      183.81339  (22080806)              490091.33
3615242.13      233.72495  (22071805)
        490073.19   3615262.75      255.05584  (22071805)              490055.05
3615283.38      260.35455  (22071805)
        490036.91   3615304.01      242.02504  (22071805)              490018.78
3615324.64      218.80124  (21061224)
        490000.64   3615345.27      200.84656  (21030702)              489982.50
3615365.89      237.91811  (21030702)
        489964.36   3615386.52      264.32301  (21030702)              489900.88
3615458.72      205.89426  (20051524)
        489882.74   3615479.35      201.83842  (20051524)              490515.73
3613876.61       42.27384  (22011903)
        490710.93   3613847.88       93.28402  (22011903)              490709.51
3613875.51       94.07226  (22011903)
        490708.08   3613903.15       91.74211  (22011903)              490706.66
3613930.79       86.83405  (21041103)
        490705.23   3613958.43       98.00614  (21041103)              490703.81
3613986.07      105.40447  (21041103)
        490702.38   3614013.70      108.77855  (21041103)              490700.96
3614041.34       90.68687  (21041103)
        490699.53   3614068.98       67.36931  (21041103)              490698.10
3614096.62       49.80906  (21090201)
        490696.68   3614124.26       43.01830  (21090201)              490695.25
3614151.89       37.06184  (21090201)
        490693.83   3614179.53       46.16034  (20122118)              490692.40
3614207.17       59.72154  (20122118)
        490690.98   3614234.81       77.12064  (20122118)              490689.55
3614262.45       89.92439  (20122118)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
490679.57	3614455.91	134.19557	(20122118)	490678.15	3614483.55	114.39496	(20122118)
490676.72	3614511.19	92.62577	(20122118)	490675.30	3614538.83	76.94885	(20060120)
490673.87	3614566.47	95.27236	(20060120)	490669.60	3614649.38	120.04177	(20060120)
490668.17	3614677.02	132.40040	(22091101)	490666.75	3614704.66	154.97730	(22091101)
490665.32	3614732.29	160.29399	(22091101)	490663.90	3614759.93	190.37056	(21080823)
490662.47	3614787.57	202.79083	(21080823)	490661.04	3614815.21	205.09944	(21080823)
490659.62	3614842.85	154.73874	(20090624)	490658.19	3614870.48	58.09936	(22071705)
490648.34	3614894.70	31.39320	(20122509)	490630.07	3614915.48	31.26849	(20122509)
490611.80	3614936.26	30.43010	(20122509)	490593.52	3614957.05	28.93176	(20122509)
490575.25	3614977.83	26.81830	(20122509)	490556.97	3614998.61	24.19598	(20122509)
490538.70	3615019.40	21.32290	(20122509)	490520.42	3615040.18	19.88382	(21121907)

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        490502.15   3615060.96       73.63629  (20031104)               490483.87
3615081.74      112.01976  (20031104)
        490465.60   3615102.53      125.95411  (20031104)               490447.33
3615123.31      134.56227  (20031104)
        490429.05   3615144.09      169.48983  (20101624)               490410.78
3615164.88      201.93550  (20101624)
        490392.50   3615185.66      215.02954  (22080806)               490374.23
3615206.44      236.57951  (22080806)
        490355.95   3615227.23      231.13623  (22080806)               490255.45
3615341.54      212.01389  (22053124)
        490228.03   3615372.71      206.30450  (22071805)               490209.76
3615393.49      238.59648  (22071805)
        490191.48   3615414.28      252.19569  (22071805)               490173.21
3615435.06      244.74351  (22071805)
        490154.94   3615455.84      217.31750  (22071805)               490136.66
3615476.63      199.08873  (21061224)
        490118.39   3615497.41      179.22144  (21061224)               490100.11
3615518.19      215.36677  (21030702)
        490081.84   3615538.98      246.46180  (21030702)               490063.56
3615559.76      263.17480  (21030702)
        490008.74   3615622.11      262.70144  (20042401)               489990.47
3615642.89      260.67000  (20051524)
        490707.76   3613820.70       85.51148  (22011903)               490902.96
3613791.88      121.67194  (22022619)
        490901.55   3613819.36      115.68334  (22022619)               490900.13
3613846.84      105.83469  (22011903)
        490898.71   3613874.32       93.51848  (22011903)               490897.29
3613901.79      111.88637  (21041103)
        490895.88   3613929.27      127.06605  (21041103)               490894.46
3613956.75      135.74372  (21041103)
        490893.04   3613984.23      135.75011  (21041103)               490891.63
3614011.70      125.17218  (21041103)
        490890.21   3614039.18      113.77631  (20101407)               490888.79
3614066.66      115.98395  (20101407)
        490887.38   3614094.13      111.10932  (20101407)               490885.96
3614121.61      105.03823  (22091105)
        490884.54   3614149.09      114.51260  (22091105)               490883.12
3614176.57      120.42437  (22091105)
        490881.71   3614204.04      135.05359  (22061005)               490880.29
3614231.52      143.40140  (22061005)
        490878.87   3614259.00      142.16818  (22061005)               490877.46
3614286.48      150.63571  (22011321)
        490876.04   3614313.95      162.14054  (22011321)               490874.62
3614341.43      190.72009  (20122118)
        490873.20   3614368.91      213.03720  (20122118)               490871.79
3614396.39      219.19799  (20122118)
        490870.37   3614423.86      208.60699  (20122118)               490868.95
3614451.34      184.21157  (20122118)
        490867.54   3614478.82      153.14283  (20122118)               490866.12
3614506.30      119.77605  (20122118)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
490848.40	3614849.76	203.30585	(21080823)	490846.99	3614877.24	161.60039	(21080823)
490845.57	3614904.72	155.70675	(21080823)	490844.15	3614932.20	159.55406	(20090624)
490833.65	3614970.00	147.70323	(20090624)	490815.48	3614990.67	122.46663	(20090624)
490797.32	3615011.33	104.54970	(22073105)	490779.15	3615031.99	110.93809	(22073105)
490760.98	3615052.65	102.48871	(22073105)	490742.81	3615073.32	57.84605	(22101401)
490724.64	3615093.98	21.51835	(20122509)	490706.48	3615114.64	19.01701	(20122509)
490688.31	3615135.30	16.41121	(20122509)	490670.14	3615155.97	17.69502	(22080806)
490651.97	3615176.63	22.25806	(22080806)	490633.80	3615197.29	27.54724	(22080806)
490615.63	3615217.95	33.38761	(22080806)	490597.47	3615238.62	83.50525	(20101624)
490579.30	3615259.28	137.69872	(20101624)	490561.13	3615279.94	158.54141	(20101624)

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        490542.96   3615300.60      192.27484  (20101624)              490524.79
3615321.27      210.69277  (22080806)
        490506.63   3615341.93      213.56759  (22080806)              490406.70
3615455.57      198.85076  (22053124)
        490379.45   3615486.56      198.10823  (22053124)              490361.28
3615507.23      178.57961  (22053124)
        490343.11   3615527.89      204.45046  (22071805)              490324.95
3615548.55      226.06384  (22071805)
        490306.78   3615569.21      228.99409  (22071805)              490288.61
3615589.88      212.82806  (22071805)
        490270.44   3615610.54      190.85184  (21061224)              490252.27
3615631.20      181.59111  (21061224)
        490234.10   3615651.86      161.19389  (21061224)              490215.94
3615672.53      188.88722  (21030702)
        490197.77   3615693.19      221.31705  (21030702)              490179.60
3615713.85      236.36232  (21030702)
        490125.10   3615775.84      206.89270  (20042401)              490106.93
3615796.50      226.09401  (20042401)
        490088.76   3615817.16      235.79049  (20051524)              490070.59
3615837.83      234.73710  (20051524)
        490899.78   3613764.78      121.85277  (22022619)              491287.01
3613680.21       99.89660  (22022619)
        491285.57   3613707.98       97.50257  (22022619)              491284.14
3613735.75       91.12440  (22022619)
        491282.71   3613763.52       82.35631  (22011903)              491281.28
3613791.29       72.76957  (22011903)
        491279.85   3613819.06       83.06767  (21041103)              491278.41
3613846.83       93.92333  (21041103)
        491276.98   3613874.60      102.28312  (21041103)              491275.55
3613902.37      106.38550  (21041103)
        491274.12   3613930.15      106.81910  (21041103)              491272.68
3613957.92      102.94491  (21041103)
        491271.25   3613985.69       91.96667  (21041103)              491269.82
3614013.46       93.88302  (20101407)
        491268.39   3614041.23       93.50624  (20101407)              491266.96
3614069.00       87.86769  (20101407)
        491265.52   3614096.77       88.16289  (22091105)              491264.09
3614124.54       97.25172  (22091105)
        491262.66   3614152.31      102.67155  (22091105)              491261.23
3614180.08      102.77120  (22091105)
        491259.79   3614207.86      102.57588  (22061005)              491258.36
3614235.63       99.89428  (22061005)
        491256.93   3614263.40       90.21543  (22061005)              491255.50
3614291.17       88.87188  (22011321)
        491254.07   3614318.94       91.27289  (22011321)              491252.63
3614346.71       92.22861  (22011321)
        491251.20   3614374.48       87.85321  (22011321)              491249.77
3614402.25       86.58133  (20122118)
        491248.34   3614430.02       86.87561  (20122118)              491246.90
3614457.79       79.64389  (20122118)
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491245.47 3614485.57 67.51793 (20122118) 491244.04 3614513.34 55.68752 (21112917)
491242.61 3614541.11 55.08093 (21112917) 491241.18 3614568.88 59.56748 (20052703)
491239.74 3614596.65 62.74481 (20052703) 491238.31 3614624.42 66.35024 (21090622)
491236.88 3614652.19 73.99322 (21090622) 491235.45 3614679.96 75.03889 (21090622)
491234.01 3614707.73 73.28935 (20031323) 491229.00 3614804.93 60.76496 (20060120)
*** AERMOD - VERSION 24142 *** *** C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru *** 06/24/25
*** AERMET - VERSION 24142 *** ***
*** 09:06:31

PAGE 127
*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
- - - -

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        491057.17   3615287.92      118.36232  (22073105)              491038.81
3615308.80      139.90148  (22073105)
        491020.44   3615329.69       84.61228  (20122119)              491002.08
3615350.57       81.62147  (20122119)
        490983.72   3615371.45       76.47018  (20122119)              490965.36
3615392.33       75.25403  (20031104)
        490946.99   3615413.22       73.08556  (20031104)              490928.63
3615434.10       67.68754  (20031104)
        490910.27   3615454.98       72.14220  (20101624)              490891.91
3615475.87       88.42756  (20101624)
        490873.55   3615496.75      106.16491  (20101624)              490855.18
3615517.63      138.15627  (20101624)
        490836.82   3615538.52      160.65926  (20101624)              490818.46
3615559.40      169.07372  (22080806)
        490800.10   3615580.28      168.68361  (22080806)              490671.56
3615726.47      147.70641  (22053124)
        490644.02   3615757.79      144.37513  (22053124)              490625.66
3615778.67      130.60311  (20081601)
        490607.29   3615799.56      132.12194  (20081601)              490588.93
3615820.44      156.52553  (22071805)
        490570.57   3615841.32      170.77214  (22071805)              490552.21
3615862.21      170.95844  (22071805)
        490533.84   3615883.09      156.29006  (22071805)              490515.48
3615903.97      148.54092  (21061224)
        490497.12   3615924.86      144.26000  (21061224)              490478.76
3615945.74      129.87534  (21061224)
        490460.40   3615966.62      115.50111  (20012520)              490442.03
3615987.50      126.24081  (21030702)
        490423.67   3616008.39      150.05547  (21030702)              490405.31
3616029.27      164.68033  (21030702)
        490386.95   3616050.15      167.41845  (21030702)              490350.22
3616091.92      146.30321  (20042401)
        490331.86   3616112.80      144.90862  (20042401)              490313.50
3616133.69      132.35558  (20042401)
        490295.14   3616154.57      135.35259  (20051524)              490276.77
3616175.45      130.84627  (20051524)
        491283.83   3613652.96       98.34391  (22022619)              491671.06
3613568.37       75.89070  (22022619)
        491669.63   3613596.12       79.56038  (22022619)              491668.20
3613623.87       79.11304  (22022619)
        491666.77   3613651.62       73.53542  (22022619)              491665.33
3613679.38       66.46539  (22011903)
        491663.90   3613707.13       59.31858  (22011903)              491662.47
3613734.88       65.55948  (21041103)
        491661.04   3613762.63       75.80023  (21041103)              491659.61
3613790.38       84.26272  (21041103)
        491658.18   3613818.13       90.08795  (21041103)              491656.75
3613845.88       92.71542  (21041103)
        491655.32   3613873.63       91.45828  (21041103)              491653.88
3613901.38       86.37924  (21041103)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
491635.28	3614262.13	80.11347	(22061005)	491633.85	3614289.88	73.51419	(22061005)
491632.42	3614317.64	82.45779	(22011321)	491630.99	3614345.39	87.46429	(22011321)
491629.55	3614373.14	88.58345	(22011321)	491628.12	3614400.89	85.74848	(22011321)
491626.69	3614428.64	92.58442	(20122118)	491625.26	3614456.39	100.94250	(20122118)
491623.83	3614484.14	101.84946	(20122118)	491622.40	3614511.89	93.77611	(20122118)
491620.97	3614539.64	77.22001	(20122118)	491619.54	3614567.39	60.31676	(20122118)
491618.11	3614595.14	57.14295	(21112917)	491616.67	3614622.89	63.71648	(20052703)
491615.24	3614650.64	66.69116	(20052703)	491613.81	3614678.39	65.91094	(21090622)

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        491612.38   3614706.14       72.90537  (21090622)               491610.95
3614733.89       79.12464  (21090622)
        491609.52   3614761.64       79.97559  (21090622)               491608.09
3614789.39       75.29802  (21090622)
        491603.08   3614886.52       69.32260  (21012102)               491601.65
3614914.27       77.71827  (21012102)
        491600.22   3614942.02       81.13791  (21012102)               491598.78
3614969.77       92.66961  (20040701)
        491597.35   3614997.52      103.37490  (20040701)               491595.92
3615025.27      103.95903  (22091101)
        491594.49   3615053.02      109.03777  (22091101)               491593.06
3615080.77      111.76376  (22091101)
        491591.63   3615108.52      106.50093  (22091101)               491590.20
3615136.27       96.66560  (22091101)
        491588.77   3615164.02       83.39211  (21080823)               491587.34
3615191.77       69.74449  (20090624)
        491585.90   3615219.52       68.83525  (20090624)               491584.47
3615247.28       73.34180  (22071705)
        491574.58   3615271.58       74.63316  (22071705)               491556.23
3615292.45       71.10252  (22071705)
        491537.89   3615313.32       64.31976  (22071705)               491519.54
3615334.19       63.71960  (22061523)
        491501.19   3615355.06       62.17437  (21072403)               491482.84
3615375.92       79.70260  (22073105)
        491464.49   3615396.79      108.89346  (22073105)               491446.14
3615417.66      113.15766  (22073105)
        491427.79   3615438.53      107.16122  (22073105)               491409.44
3615459.39      100.34961  (22073105)
        491391.10   3615480.26       97.59388  (22073105)               491372.75
3615501.13       96.24524  (22073105)
        491354.40   3615522.00       98.14279  (20122119)               491336.05
3615542.86       96.84164  (20122119)
        491317.70   3615563.73       90.85365  (20122119)               491299.35
3615584.60       81.86426  (20122119)
        491281.00   3615605.47       79.27536  (20031104)               491262.66
3615626.34       75.63507  (20031104)
        491244.31   3615647.20       73.93093  (20031104)               491225.96
3615668.07       73.02450  (20031104)
        491207.61   3615688.94       81.99799  (20101624)               491189.26
3615709.81       99.66766  (20101624)
        491170.91   3615730.67      116.00407  (20101624)               491152.56
3615751.54      127.23427  (20101624)
        491134.22   3615772.41      132.59984  (20101624)               491115.87
3615793.28      130.64802  (22080806)
        491097.52   3615814.15      122.44830  (22080806)               491079.17
3615835.01      102.73191  (22080806)
        490932.38   3616001.95      100.11913  (22053124)               490914.03
3616022.82      100.10768  (22053124)
        490895.68   3616043.69       96.30688  (21090701)               490877.33
3616064.56       95.34412  (20081601)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
490556.23	3616429.74	142.95480	(20042401)	490537.88	3616450.61	138.72354	(20042401)
490519.54	3616471.48	133.12579	(20042401)	490501.19	3616492.35	134.05758	(20051524)
490482.84	3616513.21	134.90470	(20051524)	491667.88	3613541.14	72.77736	(22022619)
492055.11	3613456.54	45.61125	(22022619)	492053.68	3613484.28	51.86124	(22022619)
492052.25	3613512.01	14.56562	(22011903)	492050.82	3613539.75	14.63313	(22011903)
492049.39	3613567.48	14.50214	(22011903)	492047.96	3613595.22	14.20103	(22011903)
492046.53	3613622.95	13.74284	(22011903)	492045.10	3613650.69	27.89589	(22011903)

492043.67 3613678.43 26.62716 (22011903) 492042.24
3613706.16 23.99651 (22011903)
492040.81 3613733.90 45.23806 (21041103) 492039.38
3613761.63 60.71508 (21041103)
492037.95 3613789.37 55.88799 (21041103) 492036.52
3613817.10 33.41188 (21041103)
492035.09 3613844.84 8.22865 (21043007) 492033.65
3613872.57 8.32976 (21043007)
492032.22 3613900.31 8.53173 (21043007) 492030.79
3613928.04 8.76625 (21043007)
492029.36 3613955.78 8.90346 (21043007) 492027.93
3613983.52 9.44836 (22010509)
492026.50 3614011.25 10.65034 (22010509) 492025.07
3614038.99 11.89408 (22010509)
492023.64 3614066.72 13.14359 (22010509) 492022.21
3614094.46 14.37065 (22010509)
492020.78 3614122.19 15.56481 (22010509) 492019.35
3614149.93 16.67389 (22010509)
492017.92 3614177.66 18.41227 (20122118) 492016.49
3614205.40 46.22066 (22061005)
492015.06 3614233.13 73.57321 (22061005) 492013.63
3614260.87 84.90818 (22061005)
492012.20 3614288.60 77.19962 (22061005) 492010.77
3614316.34 75.43268 (22011321)
492009.34 3614344.08 89.70215 (22011321) 492007.91
3614371.81 87.95812 (22011321)
492006.48 3614399.55 73.39052 (22011321) 492005.05
3614427.28 61.23190 (22011321)
492003.62 3614455.02 61.29186 (20122118) 492002.19
3614482.75 76.64268 (20122118)
492000.76 3614510.49 95.73794 (20122118) 491999.33
3614538.22 109.26924 (20122118)
491997.89 3614565.96 90.11860 (20122118) 491996.46
3614593.69 79.22571 (20122118)
491995.03 3614621.43 71.19331 (20122118) 491993.60
3614649.17 57.59942 (20122118)
491992.17 3614676.90 57.96888 (20052703) 491990.74
3614704.64 61.64390 (20052703)
491989.31 3614732.37 67.85765 (21090622) 491987.88
3614760.11 78.32251 (21090622)
491986.45 3614787.84 86.15315 (21090622) 491985.02
3614815.58 91.11757 (21090622)
491983.59 3614843.31 92.85659 (21090622) 491982.16
3614871.05 90.33136 (21090622)
491976.44 3614981.99 59.36504 (21012102) 491975.01
3615009.73 52.08957 (21012102)
491973.58 3615037.46 43.60426 (21012102) 491972.15
3615065.20 50.09300 (20040701)
491970.72 3615092.93 57.89108 (20040701) 491969.29
3615120.67 61.82665 (20040701)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
491835.07	3615547.46	68.33566	(22073105)	491816.73	3615568.31	79.96074	(22073105)
491798.39	3615589.17	99.40516	(22073105)	491780.05	3615610.02	111.57002	(22073105)
491761.71	3615630.88	111.63257	(22073105)	491743.37	3615651.74	106.23772	(22073105)
491725.03	3615672.59	90.45703	(22073105)	491706.69	3615693.45	72.05566	(20122119)
491688.36	3615714.31	68.97693	(20122119)	491670.02	3615735.16	84.15101	(20122119)
491651.68	3615756.02	87.23952	(20122119)	491633.34	3615776.88	78.66610	(20122119)

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        491615.00   3615797.73       82.41520  (20092720)               491596.66
3615818.59       83.72414  (20092720)
        491578.32   3615839.45       82.34575  (20092720)               491559.99
3615860.30       77.80421  (20092720)
        491541.65   3615881.16       71.30579  (20092720)               491523.31
3615902.01       66.13285  (20092720)
        491504.97   3615922.87       73.79777  (20101624)               491486.63
3615943.73       79.85778  (20101624)
        491468.29   3615964.58       87.65181  (20101624)               491449.95
3615985.44       90.59608  (20101624)
        491431.61   3616006.30       95.14822  (20101624)               491413.28
3616027.15       97.29405  (22080806)
        491394.94   3616048.01       99.89424  (22080806)               491376.60
3616068.87       99.20046  (22080806)
        491358.26   3616089.72       90.53232  (22080806)               491339.92
3616110.58       73.68997  (21071403)
        491220.72   3616246.15       85.84760  (22053124)               491202.38
3616267.00       89.66460  (22053124)
        491184.04   3616287.86       96.43166  (22053124)               491165.70
3616308.72       95.82004  (22053124)
        491147.36   3616329.57       97.88180  (20081601)               491129.03
3616350.43      101.23432  (20081601)
        491110.69   3616371.28      106.78387  (22071805)               491092.35
3616392.14      121.52662  (22071805)
        491074.01   3616413.00      129.99234  (22071805)               491055.67
3616433.85      130.42321  (22071805)
        491037.33   3616454.71      122.81743  (22071805)               491018.99
3616475.57      111.93540  (22071805)
        491000.65   3616496.42      104.28095  (21061224)               490982.32
3616517.28      102.76211  (21061224)
        490963.98   3616538.14       99.73680  (21061224)               490945.64
3616558.99       91.15324  (21061224)
        490927.30   3616579.85       79.07412  (21061224)               490908.96
3616600.71       90.06398  (21030702)
        490890.62   3616621.56      103.76474  (21030702)               490872.28
3616642.42      114.61417  (21030702)
        490853.94   3616663.27      127.76706  (21030702)               490835.61
3616684.13      140.93863  (21030702)
        490780.59   3616746.70      130.75891  (20042401)               490762.25
3616767.56      139.43113  (20042401)
        490743.91   3616788.41      140.21459  (20042401)               490725.57
3616809.27      132.98462  (20042401)
        490707.24   3616830.13      125.80304  (20051524)               490688.90
3616850.98      132.69730  (20051524)
        490670.56   3616871.84      133.55596  (20051524)               492051.94
3613429.31       13.53810  (22011903)
        492439.16   3613344.71       11.57151  (22011903)               492437.73
3613372.44       11.88922  (22011903)
        492436.30   3613400.16       12.10899  (22011903)               492434.87
3613427.89       12.19391  (22011903)
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        492433.44   3613455.61       39.10541  (22011903)               492432.01
3613483.33       42.07416  (22011903)
        492430.58   3613511.06       38.67790  (22011903)               492429.15
3613538.78       28.27543  (22011903)
        492427.72   3613566.50       10.98086  (22011903)               492426.29
3613594.23       10.44460  (22011903)
        492424.86   3613621.95        9.83991  (22011903)               492423.43
3613649.68        9.17424  (22011903)
        492422.00   3613677.40        8.47346  (22011903)               492420.58
3613705.12        7.75841  (22011903)
        492419.15   3613732.85        7.33316  (22092807)               492417.72
3613760.57        7.03700  (22092807)
        492416.29   3613788.30        7.33977  (21043007)               492414.86
3613816.02       15.73718  (21090201)
        492413.43   3613843.74       18.66252  (21041103)               492412.00
3613871.47       19.58254  (21041103)
        492410.57   3613899.19       21.89472  (21041103)               492409.14
3613926.92       26.46357  (20101407)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 131
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        492407.71   3613954.64       32.62880  (20101407)               492406.28
3613982.36       39.52437  (20101407)
        492404.85   3614010.09       47.71423  (22071923)               492403.42
3614037.81       60.67220  (22091105)
        492401.99   3614065.54       62.77755  (22091105)               492400.56
3614093.26       60.43801  (22091105)
        492399.13   3614120.98       56.52618  (22091105)               492397.70
3614148.71       51.70293  (22091105)
        492396.27   3614176.43       46.85058  (22073106)               492394.84
3614204.15       47.96757  (22061005)
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        492393.41   3614231.88       53.70829  (22061005)                492391.98
3614259.60       58.13039  (22061005)
        492390.55   3614287.33       57.24884  (22061005)                492389.12
3614315.05       53.79352  (22011321)
        492387.69   3614342.77       60.52522  (22011321)                492386.26
3614370.50       64.40977  (22011321)
        492384.83   3614398.22       63.89214  (22011321)                492383.40
3614425.95       63.22066  (22011321)
        492381.97   3614453.67       64.83674  (22011321)                492380.54
3614481.39       74.69417  (20122118)
        492379.11   3614509.12       82.57837  (20122118)                492377.68
3614536.84       82.49822  (20122118)
        492376.25   3614564.57       87.07873  (20122118)                492374.82
3614592.29       79.37627  (20122118)
        492373.39   3614620.01       70.34209  (20122118)                492371.96
3614647.74       60.86662  (20122118)
        492370.53   3614675.46       50.24566  (20122118)                492369.10
3614703.19       45.23079  (21112917)
        492367.67   3614730.91       48.69216  (20052703)                492366.24
3614758.63       51.62666  (20052703)
        492364.81   3614786.36       52.85049  (20052703)                492363.38
3614814.08       54.21598  (21090622)
        492361.95   3614841.81       52.69921  (21090622)                492360.52
3614869.53       47.34909  (21090622)
        492359.09   3614897.25       40.53337  (21090622)                492357.66
3614924.98       31.48378  (21090622)
        492356.23   3614952.70       30.90433  (20031323)                492350.51
3615063.60       29.67491  (20060120)
        492349.08   3615091.32       27.83663  (20060120)                492347.65
3615119.04       25.62882  (20060120)
        492346.22   3615146.77       25.62382  (22100306)                492344.80
3615174.49       29.78675  (20040701)
        492343.37   3615202.22       35.98507  (20040701)                492341.94
3615229.94       40.41965  (20040701)
        492340.51   3615257.66       42.62611  (20040701)                492339.08
3615285.39       44.32681  (20040701)
        492337.65   3615313.11       51.74489  (22091101)                492336.22
3615340.84       56.68789  (22091101)
        492334.79   3615368.56       59.98303  (22091101)                492333.36
3615396.28       62.31475  (22091101)
        492331.93   3615424.01       61.05043  (22091101)                492330.50
3615451.73       66.08538  (21080823)
        492329.07   3615479.46       70.79458  (21080823)                492327.64
3615507.18       76.58305  (20090624)
        492326.21   3615534.90       78.79367  (20090624)                492315.61
3615573.05       72.52779  (20090624)
        492297.28   3615593.90       66.92715  (20090624)                492278.95
3615614.75       64.72655  (22071705)
        492260.62   3615635.59       61.69752  (22061523)                492242.29
3615656.44       56.35934  (22061523)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
492223.96	3615677.29	45.68032	(22061523)	492205.63	3615698.14	40.71042	(21072403)
492187.29	3615718.99	36.86189	(21072403)	492168.96	3615739.83	34.82017	(22101401)
492150.63	3615760.68	33.70647	(22101401)	492132.30	3615781.53	33.48863	(22101401)
492113.97	3615802.38	34.42668	(22073105)	492095.64	3615823.22	37.18273	(20042605)
492077.31	3615844.07	47.56426	(22073105)	492058.98	3615864.92	53.10162	(22073105)
492040.65	3615885.77	62.45532	(20122119)	492022.31	3615906.62	73.62331	(20122119)
492003.98	3615927.46	77.35189	(20122119)	491985.65	3615948.31	73.80025	(20122119)
491967.32	3615969.16	68.16093	(20122119)	491948.99	3615990.01	70.74578	(20092720)
491930.66	3616010.85	74.25378	(20092720)	491912.33	3616031.70	73.60156	(20092720)
491894.00	3616052.55	73.16023	(20092720)	491875.67	3616073.40	68.03481	(20092720)
491857.33	3616094.25	61.65294	(20092720)	491839.00	3616115.09	57.44954	(22101423)
491820.67	3616135.94	56.08812	(22101423)	491802.34	3616156.79	55.14082	(20101624)
491784.01	3616177.64	65.46967	(20101624)	491765.68	3616198.48	75.67571	(20101624)
491747.35	3616219.33	83.60175	(20101624)	491729.02	3616240.18	87.61470	(20101624)

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        491710.69   3616261.03       89.09627  (22080806)                491692.35
3616281.88       91.75261  (22080806)
        491674.02   3616302.72       88.05017  (22080806)                491655.69
3616323.57       81.53617  (22080806)
        491509.04   3616490.35       74.27097  (22081404)                491490.71
3616511.20       74.74187  (22053124)
        491472.38   3616532.05       77.32653  (22053124)                491454.05
3616552.90       70.87478  (22053124)
        491435.72   3616573.75       65.92893  (21090701)                491417.39
3616594.59       59.69165  (21090701)
        491399.06   3616615.44       52.37513  (21090701)                491380.73
3616636.29       45.07764  (21090701)
        491362.39   3616657.14       60.56804  (22071805)                491344.06
3616677.98       53.73402  (22071805)
        491325.73   3616698.83       40.70256  (22071805)                491307.40
3616719.68       36.85223  (22013119)
        491289.07   3616740.53       37.98574  (22013119)                491270.74
3616761.38       43.11503  (22013119)
        491252.41   3616782.22       40.80206  (22013119)                491234.08
3616803.07       49.99092  (21061224)
        491215.75   3616823.92       47.77304  (21061224)                491197.41
3616844.77       42.46094  (20012520)
        491179.08   3616865.61       44.88242  (20012520)                491160.75
3616886.46       45.58685  (20012520)
        491142.42   3616907.31       48.27052  (20012520)                491124.09
3616928.16       60.23932  (20012520)
        491105.76   3616949.01       66.55166  (21030702)                491087.43
3616969.85       78.68522  (21030702)
        491069.10   3616990.70       79.27181  (21030702)                491004.94
3617063.67       49.93795  (21030702)
        490986.61   3617084.52       89.77771  (20042401)                490968.28
3617105.36      124.37163  (20042401)
        490949.94   3617126.21      123.81353  (20042401)                490931.61
3617147.06      100.85949  (20042401)
        490913.28   3617167.91       92.34464  (20051524)                490894.95
3617188.76       96.96162  (20051524)
        490876.62   3617209.60       95.82263  (20051524)                492435.99
3613317.49       11.17201  (22011903)
        492823.21   3613232.89        9.74003  (22011903)                492821.78
3613260.60       31.91830  (22022619)
        492820.36   3613288.32       47.73482  (22022619)                492818.93
3613316.03       49.83693  (22022619)
        492817.50   3613343.74       47.00172  (22022619)                492816.07
3613371.46       47.10025  (22022619)
        492814.64   3613399.17       30.14498  (22011903)                492813.21
3613426.89       28.09888  (22011903)
        492811.78   3613454.60       25.83526  (22011903)                492810.35
3613482.32       24.34558  (22011903)
        492808.92   3613510.03       23.94566  (21041103)                492807.49
3613537.75       27.87651  (21041103)
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492806.06 3613565.46 32.61552 (21041103) 492804.63
3613593.18 39.11419 (21041103)
492803.20 3613620.89 49.04844 (21041103) 492801.77
3613648.61 58.70953 (21041103)
492800.34 3613676.32 54.97667 (21041103) 492798.92
3613704.04 33.62554 (21041103)
492797.49 3613731.75 55.39109 (21041103) 492796.06
3613759.47 48.93466 (21041103)
492794.63 3613787.18 46.85523 (21041103) 492793.20
3613814.90 48.09170 (20101407)
492791.77 3613842.61 51.32167 (20101407) 492790.34
3613870.33 51.78598 (20101407)
492788.91 3613898.04 50.12845 (20101407) 492787.48
3613925.76 47.72334 (20101407)
492786.05 3613953.47 45.25451 (22071923) 492784.62
3613981.19 47.60354 (22071923)
492783.19 3614008.90 52.04282 (22091105) 492781.76
3614036.62 56.65795 (22091105)
492780.33 3614064.33 58.12052 (22091105) 492778.90
3614092.05 50.83840 (22091105)
492777.48 3614119.76 42.67830 (22073106) 492776.05
3614147.48 36.36644 (22073106)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF VARIOUS IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
492774.62	3614175.19	30.77668	(22073106)	492773.19	3614202.91	24.14773	(22073106)
492771.76	3614230.62	18.41752	(22052304)	492770.33	3614258.34	18.95241	(20080422)
492768.90	3614286.05	21.47790	(20080422)	492767.47	3614313.77	26.65122	(21032007)

492766.04 3614341.48 32.51544 (21032007) 492764.61
3614369.19 48.38394 (22011321)
492763.18 3614396.91 66.76616 (22011321) 492761.75
3614424.62 75.03873 (22011321)
492760.32 3614452.34 73.86152 (22011321) 492758.89
3614480.05 69.02047 (20122118)
492757.46 3614507.77 69.87385 (20122118) 492756.04
3614535.48 71.99865 (20122118)
492754.61 3614563.20 71.72728 (20122118) 492753.18
3614590.91 67.67375 (20122118)
492751.75 3614618.63 59.30053 (20122118) 492750.32
3614646.34 50.84536 (20122118)
492748.89 3614674.06 41.71937 (20122118) 492747.46
3614701.77 33.00927 (21112917)
492746.03 3614729.49 33.77434 (21112917) 492744.60
3614757.20 35.85076 (21112917)
492743.17 3614784.92 35.94662 (20052703) 492741.74
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492740.31 3614840.35 33.77874 (20052703) 492738.88
3614868.06 35.98437 (20052703)
492737.45 3614895.78 37.08064 (20052703) 492736.02
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492734.60 3614951.21 46.07728 (21090622) 492733.17
3614978.92 51.52983 (21090622)
492731.74 3615006.64 52.02715 (21090622) 492730.31
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492724.59 3615145.21 30.75262 (20060120) 492723.16
3615172.93 28.82424 (20060120)
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3615339.22 48.40008 (20040701)
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3615394.64 38.93924 (20040701)
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3615450.07 39.72410 (22091101)
492707.44 3615477.79 37.99399 (22091101) 492706.01
3615505.50 35.48013 (22091101)
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3615616.36 21.83315 (21060805)
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3615765.47 45.53266 (22071705)

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        492631.15   3615786.31       43.84456  (22071705)                492612.83
3615807.15       43.80129  (22061523)
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3615848.83       40.58339  (22061523)
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3615890.51       45.79396  (21072403)
        492521.20   3615911.36       52.72179  (22073105)                492502.87
3615932.20       59.57909  (22073105)
        492484.55   3615953.04       64.93761  (22073105)                492466.22
3615973.88       68.46046  (22073105)
        492447.90   3615994.72       70.77197  (22073105)                492429.57
3616015.56       71.84977  (22073105)
        492411.25   3616036.40       67.86545  (22073105)                492392.92
3616057.24       61.24639  (22073105)
        492374.60   3616078.08       57.02791  (20122119)                492356.27
3616098.92       55.34862  (20122119)
        492337.95   3616119.76       55.74772  (20122119)                492319.62
3616140.61       52.85729  (20122119)
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3616182.29       52.40338  (20031104)
        492264.65   3616203.13       56.41486  (20031104)                492246.32
3616223.97       57.59155  (20031104)
        492228.00   3616244.81       54.72919  (20031104)                492209.67
3616265.65       50.65759  (20031104)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 134
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        492191.35   3616286.49       44.43226  (20031104)                492173.02
3616307.33       40.21454  (22101423)
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3616349.02       27.72971  (22101423)
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491192.63 3617422.33 93.77702 (20042401) 491174.30
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3617484.85 64.07581 (20042401)
491119.33 3617505.69 65.05421 (20051524) 491101.00
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3617568.21 57.72789 (20051524)

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        489766.17   3615753.39       41.61459  (21083002)               489840.50
3615939.07      192.70166  (22090420)
        489989.15   3616310.42      168.93243  (22090420)               490137.81
3616681.77      150.85454  (22090420)
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3617424.47      104.43913  (22090420)
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        489198.77   3614213.86     4831.28138  (20022023)               489196.68
3614189.14     8300.67444  (22031720)
        489194.60   3614164.42     6206.81533  (20021622)               489192.52
3614139.70     4442.74831  (22111120)
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3614211.76     2079.93208  (22011903)
        489221.59   3614187.04     2583.33952  (20022023)               489219.51
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        489248.59   3614209.66     1795.11036  (22011903)               489246.51
3614184.94     1337.95824  (20020621)
        489244.42   3614160.22     1652.74922  (20022023)               489242.34
3614135.50     2073.83270  (21101620)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 135
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        489240.26   3614110.78     2542.46800  (22031720)               489273.50
3614207.56     1415.09408  (22011903)
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        489271.42   3614182.84     1045.53555  (20020621)                489269.33
3614158.12      924.44395  (20020621)
        489267.25   3614133.40     1139.61722  (20022023)                489265.17
3614108.68     1421.77599  (20022023)
        489323.32   3614203.36      897.62624  (22011903)                489321.24
3614178.64      675.65691  (20020621)
        489319.16   3614153.92      628.09299  (20020621)                489317.07
3614129.20      572.70700  (20020621)
        489314.99   3614104.48      515.60365  (20020621)                489367.61
3614289.22      591.81511  (20122118)
        489371.06   3614174.44      552.58677  (22011903)                489368.98
3614149.72      443.33412  (20020621)
        489366.90   3614125.00      419.23331  (20020621)                489364.81
3614100.28      391.73280  (20020621)
        489420.89   3614170.25      441.93125  (22011903)                489418.80
3614145.53      345.28993  (22011903)
        489416.72   3614120.81      314.66414  (20020621)                489414.64
3614096.09      296.76374  (20020621)
        489468.63   3614141.33      310.26840  (22011903)                489466.54
3614116.61      247.07202  (20020621)
        489464.46   3614091.89      236.31247  (20020621)                489396.40
3614578.11      199.47762  (22040621)
        489378.97   3614592.77      262.32386  (22110620)                489361.54
3614607.43      315.89215  (22110620)
        489568.27   3614132.93      233.55447  (22011903)                489566.19
3614108.21      203.12966  (22011903)
        489564.11   3614083.49      157.07168  (20020621)                489456.02
3614652.06      130.03164  (22040621)
        489419.15   3614683.07      210.70773  (22110620)                489676.25
3614223.41      146.02070  (20122118)
        489674.17   3614198.69      123.91821  (21121907)                489665.84
3614099.81      169.11964  (22011903)
        489663.75   3614075.09      145.72059  (22011903)                489770.44
3614237.86      126.31339  (20122118)
        489710.43   3614489.15       97.31742  (21121907)                489526.83
3614716.60       98.03041  (21121907)
        489490.88   3614746.83      123.72665  (22040621)                489472.90
3614761.95      151.49956  (22110620)
        489436.95   3614792.19      192.97059  (22110620)                489775.90
3614215.01      105.93422  (20122118)
        489773.82   3614190.29       92.87559  (21121907)                489771.73
3614165.57       97.32004  (22011903)
        489769.65   3614140.85      118.35669  (22011903)                489763.40
3614066.69      127.99848  (22011903)
        489869.89   3614230.31       94.04750  (20122118)                489864.23
3614254.00      108.57402  (20122118)
        489858.57   3614277.69      119.34741  (20122118)                489801.99
3614514.60       76.41544  (21121907)
        489796.33   3614538.29       75.76781  (21121907)                489605.93
3614774.16       85.88550  (22081404)
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        489568.65   3614805.52      529.62115  (21030702)               489550.01
3614821.19       88.90626  (22040621)
        489531.37   3614836.87      107.97808  (22040621)               489512.73
3614852.55      130.59941  (22110620)
        489494.09   3614868.23      148.76676  (22110620)               489875.55
3614206.61       78.71739  (20122118)
        489873.46   3614181.89       70.23329  (21121907)               489871.38
3614157.17       72.50629  (22011903)
        489869.30   3614132.45       88.63847  (22011903)               489865.13
3614083.01      108.61853  (22011903)
        489863.05   3614058.29      108.39501  (22011903)               489969.65
3614221.42       72.91125  (20122118)
        489964.11   3614244.63       84.20963  (20122118)               489958.57
3614267.84       94.03416  (20122118)
        489897.59   3614523.12       61.93795  (21121907)               489892.05
3614546.33       61.45401  (21121907)
        489886.51   3614569.54       61.09860  (21121907)               489880.97
3614592.74       60.10829  (21121907)
        489840.53   3614700.93      123.49449  (22080806)               489621.41
3614885.23      446.00618  (21030702)
        489603.15   3614900.59      545.48032  (21030702)               489584.89
3614915.95      509.72854  (20042401)
        489566.63   3614931.31      566.10473  (20051524)               489975.19
3614198.22       61.61462  (20122118)
        489973.11   3614173.50       55.96142  (21121907)               489971.03
3614148.78       55.98258  (22011903)
        489968.94   3614124.06       68.63033  (22011903)               489966.86
3614099.34       79.82361  (22011903)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE 136
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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        489962.69   3614049.90       90.59523  (22011903)               490168.89
3614204.85       47.38531  (20122118)
        490163.30   3614228.28       54.68920  (20122118)               490157.70
3614251.71       61.72913  (20122118)
        490152.10   3614275.14       67.87138  (20122118)               490146.51
3614298.57       72.43659  (20122118)
        490079.35   3614579.74       41.64405  (21121907)               490073.76
3614603.17       43.24396  (20122509)
        490068.16   3614626.60       45.19842  (20122509)               490062.56
3614650.03       45.42663  (20122509)
        490056.97   3614673.47       43.90667  (20122509)               490010.55
3614806.13      144.06560  (22080806)
        489992.12   3614821.63      175.10430  (22080806)               489973.68
3614837.14      110.55876  (22080806)
        489918.37   3614883.66      121.81629  (22080806)               489899.94
3614899.16      112.87060  (22080806)
        489789.32   3614992.20       47.61961  (22081404)               489734.02
3615038.72       43.74076  (21121907)
        489715.58   3615054.22       46.89939  (22040621)               489697.14
3615069.73       55.86173  (22040621)
        489678.71   3615085.23      355.58954  (20051524)               489641.84
3615116.25      390.46382  (20051524)
        490174.49   3614181.42       41.28980  (21121907)               490172.40
3614156.70       41.26141  (21121907)
        490170.32   3614131.98       41.19767  (21121907)               490168.24
3614107.26       44.48767  (22011903)
        490166.15   3614082.54       52.42721  (22011903)               490164.07
3614057.82       59.34137  (22011903)
        490161.99   3614033.10       64.37212  (22011903)               490368.15
3614188.21       32.76761  (20122118)
        490362.52   3614211.79       37.64251  (20122118)               490356.88
3614235.37       42.71471  (20122118)
        490351.25   3614258.95       47.65330  (20122118)               490345.62
3614282.53       51.96979  (20122118)
        490339.99   3614306.12       55.28260  (20122118)               490334.36
3614329.70       57.33439  (20122118)
        490328.72   3614353.28       57.87129  (20122118)               490289.30
3614518.35       33.28024  (21121907)
        490266.77   3614612.68       33.11273  (21121907)               490261.14
3614636.26       33.03479  (21121907)
        490255.50   3614659.84       35.10778  (20122509)               490249.87
3614683.43       37.27995  (20122509)
        490244.24   3614707.01       38.48335  (20122509)               490238.61
3614730.59       38.52426  (20122509)
        490232.97   3614754.17       37.69067  (20122509)               490204.81
3614872.08       37.14288  (22080806)
        490180.63   3614911.27       56.81600  (22080806)               490162.07
3614926.88      119.56485  (22080806)
        490143.52   3614942.48      167.22988  (22080806)               490124.96
3614958.09      232.90319  (22080806)
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        490106.41   3614973.69      276.69955  (22080806)                490050.74
3615020.51      261.25551  (22081404)
        490032.19   3615036.12      280.20372  (22081404)                489957.97
3615098.54      228.22886  (22071805)
        489865.20   3615176.57       31.49140  (21121907)                489846.64
3615192.18       31.74140  (21121907)
        489828.09   3615207.79       32.22405  (22040621)                489809.53
3615223.39       38.38799  (22040621)
        489790.98   3615239.00       44.63416  (22040621)                489772.42
3615254.60       50.42850  (22040621)
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3614139.90       30.59439  (21121907)
        490369.61   3614115.18       30.67023  (21121907)                490367.53
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3614041.02       41.33984  (22011903)
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3614171.52       26.86340  (22010509)
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3614218.90       30.98557  (22010509)
        490550.44   3614242.59       34.58543  (20122118)                490544.78
3614266.28       38.10980  (20122118)
        490539.12   3614289.97       41.22576  (20122118)                490533.47
3614313.67       43.73141  (20122118)
        490527.81   3614337.36       45.39506  (20122118)                490522.15
3614361.05       46.07196  (20122118)
        490516.49   3614384.74       45.71327  (20122118)                490448.59
3614669.03       83.51988  (22100604)
        490442.93   3614692.72       65.44335  (22100604)                490437.27
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 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 137
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
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        490607.70   3614820.47       95.03301  (20090624)                490602.03
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3614891.79       31.95213  (20122509)
        490584.99   3614915.56       31.13504  (20122509)                490579.31
3614939.34       29.79158  (20122509)
        490556.60   3615034.43       20.55208  (20122509)                490550.92
3615058.20       19.36518  (21121907)
        490545.25   3615081.98       21.47553  (22080806)                490520.86
3615121.48       64.62840  (20031104)
        490502.16   3615137.22       77.48681  (20031104)                490483.45
3615152.95      123.91787  (20101624)
        490464.75   3615168.68      156.06565  (20101624)                490446.04
3615184.42      189.23590  (20101624)
        490427.33   3615200.15      212.67213  (20101624)                490408.63
3615215.88      226.98960  (22080806)
        490389.92   3615231.61      237.45039  (22080806)                490371.22
3615247.35      227.89873  (22080806)
        490352.51   3615263.08      198.91838  (22080806)                490333.81
3615278.81      195.13936  (22081404)
        490296.40   3615310.28      214.36911  (22081404)                490128.05
3615451.88      206.53957  (21061224)
        490109.34   3615467.61      192.69901  (21061224)                490090.63
3615483.34      198.25850  (21030702)
        490071.93   3615499.08      231.62648  (21030702)                490053.22
3615514.81      257.25465  (21030702)
        490034.52   3615530.54      268.80595  (21030702)                490015.81
3615546.28      260.78262  (21030702)
        489997.11   3615562.01      266.80080  (20042401)                489978.40
3615577.74      266.74353  (20042401)
        489884.87   3615656.41      173.06309  (22110620)                489866.17
3615672.14      170.57687  (22110620)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 138
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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490764.03	3614032.15	116.70247	(21041103)	490761.95	3614007.43	123.83663	(21041103)
490759.87	3613982.71	125.46915	(21041103)	490965.97	3614138.08	109.91968	(22091105)
490960.27	3614161.91	117.69455	(22091105)	490954.58	3614185.75	120.53280	(22091105)
490948.89	3614209.59	126.93887	(22061005)	490943.19	3614233.43	131.93939	(22061005)
490937.50	3614257.27	136.42935	(22061005)	490931.81	3614281.10	138.87558	(22011321)
490926.11	3614304.94	152.94533	(22011321)	490920.42	3614328.78	161.72036	(22011321)
490914.73	3614352.62	185.47446	(20122118)	490909.03	3614376.46	204.13956	(20122118)
490903.34	3614400.30	210.21589	(20122118)	490897.65	3614424.13	202.82853	(20122118)
490891.95	3614447.97	183.93392	(20122118)	490852.10	3614614.84	128.81304	(21090622)
490846.40	3614638.68	120.63523	(21090622)	490812.24	3614781.71	176.41172	(22091101)
490806.55	3614805.54	188.18784	(21080823)	490800.86	3614829.38	198.44593	(21080823)
490795.16	3614853.22	193.00442	(21080823)	490789.47	3614877.06	145.53129	(21080823)
490783.78	3614900.90	131.62748	(20090624)	490778.08	3614924.74	130.56919	(20090624)
490772.39	3614948.57	133.05654	(20090624)	490766.70	3614972.41	122.16690	(20090624)
490761.00	3614996.25	106.21737	(22073105)	490755.31	3615020.09	110.66223	(22073105)
490732.53	3615115.44	19.93125	(20122509)	490726.84	3615139.28	17.60057	(20122509)
490721.15	3615163.12	15.71891	(21121907)	490715.45	3615186.96	42.31649	(20031104)
490691.00	3615226.57	45.00073	(20031104)	490672.25	3615242.35	45.77391	(22080806)
490653.49	3615258.12	57.23026	(22080806)	490634.74	3615273.90	39.00957	(22080806)
490615.98	3615289.67	43.78557	(22080806)	490597.22	3615305.45	136.33710	(20101624)
490578.47	3615321.22	186.94904	(20101624)	490559.71	3615337.00	199.68047	(22080806)

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        490540.95   3615352.78      210.49623  (22080806)                490522.20
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3615400.10      179.52100  (22121318)
        490465.93   3615415.88      196.99408  (22081404)                490259.61
3615589.41      192.93366  (21061224)
        490240.85   3615605.19      187.47271  (21061224)                490222.10
3615620.96      171.99393  (21061224)
        490203.34   3615636.74      178.15700  (21030702)                490184.58
3615652.52      211.61159  (21030702)
        490165.83   3615668.29      235.89598  (21030702)                490147.07
3615684.07      244.05914  (21030702)
        490128.31   3615699.84      228.49832  (21030702)                490109.56
3615715.62      197.04644  (21012619)
        490090.80   3615731.39      191.51560  (20042401)                490072.04
3615747.17      211.51289  (20051524)
        489997.02   3615810.27      209.96238  (22081405)                489978.26
3615826.05      224.34415  (22111819)
        489959.51   3615841.83      234.33555  (22111819)                489865.72
3615920.70      204.27245  (22090420)
        490971.66   3614114.24       99.42799  (22091105)                490969.58
3614089.52      104.58036  (20101407)
        490967.49   3614064.80      110.16331  (20101407)                490965.41
3614040.08      110.10697  (20101407)
        490963.33   3614015.36      111.23827  (21041103)                490961.24
3613990.64      123.49604  (21041103)
        490959.16   3613965.92      130.47228  (21041103)                491364.53
3614104.58       90.23135  (22091105)
        491358.82   3614128.51       98.50553  (22091105)                491353.10
3614152.44      102.76510  (22091105)
        491347.38   3614176.38      103.14242  (22091105)                491341.67
3614200.31      103.03906  (22061005)
        491335.95   3614224.24       97.96485  (22061005)                491330.24
3614248.17       86.25005  (22061005)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE 139
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF VARIOUS  IN MICROGRAMS/M**3
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
491324.52	3614272.11	71.86495	(22061005)	491318.80	3614296.04	70.56678	(22011321)
491313.09	3614319.97	78.01826	(22011321)	491307.37	3614343.91	80.04078	(22011321)
491301.66	3614367.84	78.94542	(22011321)	491295.94	3614391.77	74.29831	(22011321)
491290.22	3614415.70	76.34888	(20122118)	491284.51	3614439.64	76.61631	(20122118)
491278.79	3614463.57	71.08734	(20122118)	491273.07	3614487.50	62.35354	(20122118)
491267.36	3614511.44	53.20572	(21112917)	491215.91	3614726.83	75.77583	(20031323)
491210.20	3614750.76	72.92903	(20060120)	491175.90	3614894.36	90.12022	(22091101)
491170.19	3614918.29	97.83320	(22091101)	491164.47	3614942.23	99.39503	(22091101)
491158.75	3614966.16	97.99355	(22091101)	491153.04	3614990.09	97.62797	(22091101)
491147.32	3615014.02	93.43029	(20090624)	491141.60	3615037.96	102.15498	(20090624)
491135.89	3615061.89	108.61669	(20090624)	491130.17	3615085.82	106.24495	(22071705)
491124.46	3615109.76	100.84884	(22071705)	491118.74	3615133.69	91.18519	(22061523)
491113.02	3615157.62	86.01463	(22061523)	491107.31	3615181.55	91.18429	(22073105)
491078.73	3615301.22	98.52103	(22073105)	491073.01	3615325.15	140.50300	(22073105)
491067.30	3615349.08	87.34178	(20122119)	491061.58	3615373.02	82.38638	(20122119)
491055.86	3615396.95	77.38509	(20122119)	491031.32	3615436.72	72.23406	(20031104)
491012.49	3615452.56	73.00512	(20031104)	490993.66	3615468.40	70.05805	(20031104)
490974.82	3615484.24	67.40474	(20031104)	490955.99	3615500.07	77.86147	(20101624)
490937.16	3615515.91	89.12130	(20101624)	490918.33	3615531.75	108.17749	(20101624)
490899.50	3615547.59	134.99852	(20101624)	490880.67	3615563.43	152.98097	(20101624)
490861.84	3615579.27	158.89405	(22080806)	490843.01	3615595.10	164.43437	(22080806)
490824.18	3615610.94	160.76737	(22080806)	490805.35	3615626.78	144.81393	(22080806)

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3615658.46      125.85382  (22040523)
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3615690.13      152.17265  (22081404)
        490504.05   3615880.19      151.15273  (21061224)                490485.22
3615896.03      150.53950  (21061224)
        490466.39   3615911.87      141.23730  (21061224)                490447.56
3615927.71      124.76587  (21061224)
        490428.73   3615943.55      121.39605  (21030702)                490409.90
3615959.39      148.07598  (21030702)
        490391.07   3615975.23      169.22691  (21030702)                490372.24
3615991.06      181.87789  (21030702)
        490353.41   3616006.90      183.76018  (21030702)                490334.58
3616022.74      173.33325  (21030702)
        490315.75   3616038.58      167.21544  (20042401)                490296.92
3616054.42      166.86593  (20042401)
        490278.09   3616070.26      158.71459  (20042401)                490259.25
3616086.09      163.68016  (20051524)
        490183.93   3616149.45      148.96269  (21081303)                490165.10
3616165.29      157.10647  (22081405)
        490146.27   3616181.12      164.73275  (22111819)                490127.44
3616196.96      177.70558  (22111819)
        490033.29   3616276.15      171.20093  (22090420)                490014.45
3616291.99      182.05639  (22090420)
        491370.25   3614080.65       72.41984  (22071923)                491368.17
3614055.93       73.50012  (20101407)
        491366.08   3614031.21       75.69007  (20101407)                491364.00
3614006.49       78.12105  (20101407)
        491361.92   3613981.77       82.09396  (21041103)                491359.83
3613957.05       92.90523  (21041103)
        491357.75   3613932.33      100.17020  (21041103)                491763.10
3614071.05       66.87846  (22091105)
        491757.37   3614095.05       68.32448  (22091105)                491751.64
3614119.05       69.33709  (22091105)
        491745.91   3614143.05       68.99339  (22091105)                491740.18
3614167.05       65.47631  (22091105)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 140
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
491734.44	3614191.05	61.47801	(22073106)	491728.71	3614215.04	59.76399	(22061005)
491722.98	3614239.04	60.37567	(22061005)	491717.25	3614263.04	59.05061	(22061005)
491711.52	3614287.04	55.79562	(22061005)	491705.79	3614311.04	62.25028	(22011321)
491700.05	3614335.04	68.87226	(22011321)	491694.32	3614359.04	74.84512	(22011321)
491688.59	3614383.04	79.52076	(22011321)	491682.86	3614407.03	76.14784	(22011321)
491677.13	3614431.03	78.55749	(20122118)	491671.39	3614455.03	84.82041	(20122118)
491665.66	3614479.03	81.59070	(20122118)	491659.93	3614503.03	82.74217	(20122118)
491654.20	3614527.03	73.41032	(20122118)	491648.47	3614551.03	62.55469	(20122118)
491642.74	3614575.03	53.02713	(21112917)	491585.42	3614815.01	70.21139	(20031323)
491539.56	3615007.00	134.91171	(22091101)	491533.83	3615031.00	133.38068	(22091101)
491528.10	3615055.00	135.49613	(22091101)	491522.37	3615079.00	132.08514	(22091101)
491516.63	3615103.00	128.32498	(21080823)	491510.90	3615127.00	124.47078	(21080823)
491505.17	3615150.99	116.90132	(21080823)	491499.44	3615174.99	113.06426	(20090624)
491493.71	3615198.99	115.43778	(20090624)	491487.98	3615222.99	114.24056	(20090624)
491482.24	3615246.99	111.14320	(20090624)	491476.51	3615270.99	99.61707	(20090624)
491470.78	3615294.99	86.58583	(20090624)	491465.05	3615318.99	83.95848	(22073105)
491459.32	3615342.98	98.36839	(22073105)	491453.58	3615366.98	112.91944	(22073105)
491424.93	3615486.98	107.29702	(22073105)	491419.19	3615510.98	103.31710	(22073105)
491413.46	3615534.97	98.22580	(20122119)	491407.73	3615558.97	102.18408	(20122119)
491402.00	3615582.97	104.12187	(20122119)	491396.27	3615606.97	91.11233	(20122119)
491371.65	3615646.85	84.74998	(20092720)	491352.77	3615662.73	78.76658	(20031104)

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        491296.12   3615710.38       67.90161  (20031104)                491277.24
3615726.26       70.68169  (20101624)
        491258.36   3615742.14       82.44219  (20101624)                491239.47
3615758.03       94.27909  (20101624)
        491220.59   3615773.91      107.17494  (20101624)                491201.71
3615789.79      116.79299  (20101624)
        491182.83   3615805.67      125.48221  (20101624)                491163.94
3615821.55      131.92323  (22080806)
        491145.06   3615837.44      133.71461  (22080806)                491126.18
3615853.32      128.52452  (22080806)
        491107.29   3615869.20      111.70385  (22080806)                491088.41
3615885.08       93.47107  (22080806)
        491069.53   3615900.96       84.54263  (21071403)                491050.65
3615916.85       85.27891  (22040523)
        491031.76   3615932.73       93.15146  (22081404)                491012.88
3615948.61       96.93342  (22081404)
        490767.41   3616155.08      126.41352  (22071805)                490748.52
3616170.96      120.86855  (21061224)
        490729.64   3616186.84      124.61589  (21061224)                490710.76
3616202.72      123.27480  (21061224)
        490691.88   3616218.60      110.72569  (21061224)                490672.99
3616234.49       98.90189  (20012520)
        490654.11   3616250.37       97.54072  (20012520)                490635.23
3616266.25      117.61565  (21030702)
        490616.35   3616282.13      147.93528  (21030702)                490597.46
3616298.01      158.39090  (21030702)
        490578.58   3616313.90      166.46864  (21030702)                490559.70
3616329.78      167.17908  (21030702)
        490540.81   3616345.66      159.28797  (21030702)                490521.93
3616361.54      155.01233  (20042401)
        490503.05   3616377.42      136.70867  (20042401)                490484.17
3616393.31      117.33274  (20042401)
        490446.40   3616425.07      112.69816  (20051524)                490370.87
3616488.60      120.71498  (20051524)
        490351.99   3616504.48      113.70825  (22081405)                490333.11
3616520.36      106.75345  (22081405)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE 141
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
490314.22	3616536.24	109.45288	(22111819)	490295.34	3616552.13	109.89967	(22110620)
490200.93	3616631.54	131.93334	(22090420)	490182.04	3616647.42	144.91741	(22090420)
490163.16	3616663.30	151.85563	(22090420)	491768.84	3614047.05	65.91491	(22071923)
491766.75	3614022.33	69.43658	(20101407)	491764.67	3613997.61	73.64589	(20101407)
491762.59	3613972.89	75.37111	(20101407)	491760.50	3613948.17	74.39522	(20101407)
491758.42	3613923.45	71.10249	(20101407)	491756.34	3613898.73	78.69127	(21041103)
492161.68	3614037.51	41.16820	(22071923)	492155.94	3614061.56	46.15422	(22073106)
492150.19	3614085.60	58.76467	(22091105)	492144.45	3614109.65	74.45872	(22091105)
492138.71	3614133.70	62.26576	(22091105)	492132.96	3614157.75	51.29104	(22061005)
492127.22	3614181.79	37.05602	(22061005)	492121.47	3614205.84	29.79933	(22061005)
492115.73	3614229.89	31.35433	(22061005)	492109.99	3614253.93	35.39753	(22061005)
492104.24	3614277.98	38.99745	(20122118)	492098.50	3614302.03	41.60785	(20122118)
492092.76	3614326.08	46.96742	(20122118)	492087.01	3614350.12	63.27976	(20122118)
492081.27	3614374.17	72.49845	(20122118)	492075.53	3614398.22	85.61034	(20122118)
492069.78	3614422.27	99.75052	(20122118)	492064.04	3614446.31	112.31929	(20122118)
492058.30	3614470.36	118.47529	(20122118)	492052.55	3614494.41	120.62331	(20122118)
492046.81	3614518.45	118.62228	(20122118)	492041.07	3614542.50	113.83343	(20122118)
492035.32	3614566.55	105.40580	(20122118)	492029.58	3614590.60	94.02103	(20122118)
492023.84	3614614.64	80.49412	(20122118)	492018.09	3614638.69	65.98412	(20122118)
492012.35	3614662.74	54.32252	(20052703)	491960.66	3614879.16	85.14931	(21090622)

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3614927.26       65.43653  (20060120)
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3615119.64       63.35410  (20040701)
        491897.48   3615143.69       81.84357  (22091101)                491891.74
3615167.73       97.96532  (22091101)
        491885.99   3615191.78      105.27344  (22091101)                491880.25
3615215.83      103.78402  (22091101)
        491874.51   3615239.87      108.60629  (21080823)                491868.76
3615263.92      118.72297  (21080823)
        491863.02   3615287.97      119.04592  (21080823)                491857.28
3615312.02      112.67547  (21080823)
        491851.53   3615336.06      109.67920  (20090624)                491845.79
3615360.11      105.91358  (20090624)
        491840.05   3615384.16      100.18593  (20090624)                491834.30
3615408.21       92.21061  (20090624)
        491828.56   3615432.25       81.64089  (20090624)                491822.82
3615456.30       73.64012  (22061523)
        491817.07   3615480.35       69.31493  (22061523)                491811.33
3615504.39       62.45457  (21072403)
        491805.59   3615528.44       70.65298  (22073105)                491799.84
3615552.49       80.37071  (22073105)
        491776.87   3615648.68      105.49181  (22073105)                491771.13
3615672.73       98.50038  (22073105)
        491765.38   3615696.77       85.55185  (22073105)                491759.64
3615720.82       65.68845  (20122119)
        491753.90   3615744.87       57.02201  (20122119)                491748.15
3615768.92       52.25086  (20122119)
        491742.41   3615792.96       68.68487  (20122119)                491736.66
3615817.01       76.57312  (20122119)
        491712.00   3615856.97       79.41177  (20092720)                491693.08
3615872.89       81.00435  (20092720)
        491674.16   3615888.80       82.01253  (20092720)                491655.24
3615904.71       79.68607  (20092720)
        491636.32   3615920.63       75.20686  (20092720)                491617.40
3615936.54       70.97439  (20092720)
        491598.48   3615952.46       65.61253  (22101423)                491579.55
3615968.37       60.79816  (22101423)
        491560.63   3615984.28       61.27274  (20101624)                491541.71
3616000.20       68.98524  (20101624)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 142
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
491522.79	3616016.11	72.42039	(20101624)	491503.87	3616032.03	80.67296	(20101624)
491484.95	3616047.94	88.56029	(20101624)	491466.03	3616063.86	93.00901	(22080806)
491447.11	3616079.77	96.12702	(22080806)	491428.19	3616095.68	92.98403	(22080806)
491409.27	3616111.60	87.47730	(22080806)	491390.35	3616127.51	77.15365	(22080806)
491371.42	3616143.43	70.25860	(21071403)	491352.50	3616159.34	73.23300	(21071403)
491333.58	3616175.25	85.48000	(22040523)	491314.66	3616191.17	85.48280	(22081404)
491295.74	3616207.08	86.72013	(22081404)	491030.85	3616429.88	128.90832	(22071805)
491011.93	3616445.80	120.22249	(22071805)	490993.01	3616461.71	109.23737	(22071805)
490974.09	3616477.62	110.67812	(21061224)	490955.17	3616493.54	108.42276	(21061224)
490936.24	3616509.45	102.14344	(21061224)	490917.32	3616525.37	91.36434	(21061224)
490898.40	3616541.28	84.34599	(20012520)	490879.48	3616557.19	85.51769	(21030702)
490860.56	3616573.11	103.91791	(21030702)	490841.64	3616589.02	120.34318	(21030702)
490822.72	3616604.94	128.85077	(21030702)	490803.80	3616620.85	139.57088	(21030702)
490784.88	3616636.76	144.98852	(21030702)	490765.96	3616652.68	144.54448	(21030702)
490747.04	3616668.59	137.42250	(21030702)	490728.11	3616684.51	144.88561	(20042401)
490709.19	3616700.42	148.57665	(20042401)	490690.27	3616716.34	140.68766	(20042401)
490671.35	3616732.25	129.16076	(20042401)	490595.67	3616795.91	133.54684	(21081303)
490576.75	3616811.82	130.44882	(21081303)	490557.83	3616827.73	119.98439	(21081303)
490538.91	3616843.65	104.57808	(22081405)	490519.98	3616859.56	104.20691	(22081405)

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3616891.39       98.77194  (20061021)
        490463.22   3616907.31       97.22804  (20061021)                490368.62
3616986.88       73.25805  (20042722)
        490349.70   3617002.79       77.20580  (22090420)                490330.78
3617018.70       88.53436  (22090420)
        490311.86   3617034.62       95.98782  (22090420)                492167.42
3614013.46       41.42013  (20101407)
        492165.34   3613988.74       46.36948  (20101407)                492163.26
3613964.02       51.18957  (20101407)
        492161.17   3613939.30       55.73603  (20101407)                492159.09
3613914.58       60.71874  (20101407)
        492157.01   3613889.86       62.05622  (20101407)                492154.92
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        492560.26   3614003.95       52.70850  (22091105)                492554.50
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        492548.75   3614052.12       61.14186  (22091105)                492543.00
3614076.21       62.66931  (22091105)
        492537.25   3614100.29       64.33289  (22091105)                492531.50
3614124.38       62.34964  (22091105)
        492525.74   3614148.46       62.28451  (22091105)                492519.99
3614172.55       62.28726  (22091105)
        492514.24   3614196.63       64.95474  (22061005)                492508.49
3614220.72       65.78336  (22061005)
        492502.73   3614244.80       66.40501  (22061005)                492496.98
3614268.88       65.95929  (22061005)
        492491.23   3614292.97       62.93600  (22061005)                492485.48
3614317.05       60.52707  (22011321)
        492479.72   3614341.14       66.92648  (22011321)                492473.97
3614365.22       72.10149  (22011321)
        492468.22   3614389.31       75.54265  (22011321)                492462.47
3614413.39       77.14748  (22011321)
        492456.71   3614437.48       76.84527  (22011321)                492450.96
3614461.56       76.59336  (20122118)
        492445.21   3614485.65       83.40985  (20122118)                492439.46
3614509.73       87.11013  (20122118)
        492433.71   3614533.82       90.47655  (20122118)                492427.95
3614557.90       89.70433  (20122118)
        492422.20   3614581.98       82.08012  (20122118)                492416.45
3614606.07       72.09437  (20122118)
        492410.70   3614630.15       66.05914  (20122118)                492404.94
3614654.24       59.97619  (20122118)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
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                                  PAGE 143
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
492399.19	3614678.32	42.86775	(21112917)	492393.44	3614702.41	42.40210	(21112917)
492330.16	3614967.34	49.70634	(20031323)	492324.41	3614991.42	45.77325	(20031323)
492318.66	3615015.51	43.98351	(20031323)	492307.15	3615063.68	40.96723	(20060120)
492278.39	3615184.10	39.93048	(20040701)	492272.64	3615208.18	45.08276	(20040701)
492266.89	3615232.27	50.32748	(20040701)	492261.14	3615256.35	57.66181	(22091101)
492255.38	3615280.44	68.30898	(22091101)	492249.63	3615304.52	75.37751	(22091101)
492243.88	3615328.61	84.77846	(22091101)	492238.13	3615352.69	87.40736	(22091101)
492232.37	3615376.78	94.98852	(21080823)	492226.62	3615400.86	97.50561	(21080823)
492220.87	3615424.95	92.53444	(21080823)	492215.12	3615449.03	89.47603	(20090624)
492209.36	3615473.11	92.46035	(20090624)	492203.61	3615497.20	89.64121	(20090624)
492197.86	3615521.28	85.66719	(20090624)	492192.11	3615545.37	79.49412	(20090624)
492186.35	3615569.45	70.30534	(20090624)	492180.60	3615593.54	64.23568	(22061523)
492174.85	3615617.62	60.29179	(22061523)	492169.10	3615641.71	51.57532	(22061523)
492163.35	3615665.79	43.66387	(22081802)	492157.59	3615689.88	39.57523	(21072403)
492151.84	3615713.96	36.79238	(21072403)	492146.09	3615738.04	34.19947	(22101401)
492123.08	3615834.38	44.13869	(22073105)	492117.33	3615858.47	44.94712	(22073105)
492111.57	3615882.55	60.14354	(22073105)	492105.82	3615906.64	68.54020	(22073105)
492100.07	3615930.72	73.69587	(20122119)	492094.32	3615954.81	76.41137	(20122119)

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        492088.57   3615978.89       74.28665  (20122119)                492082.81
3616002.98       70.39227  (20122119)
        492077.06   3616027.06       65.55316  (20122119)                492052.36
3616067.08       66.75922  (20092720)
        492033.41   3616083.02       68.97778  (20092720)                492014.46
3616098.96       68.12998  (20092720)
        491995.51   3616114.90       67.86134  (20092720)                491976.56
3616130.84       64.52993  (20092720)
        491957.61   3616146.78       60.06168  (20092720)                491938.66
3616162.72       55.16293  (22101423)
        491919.71   3616178.66       50.16070  (22101423)                491900.76
3616194.59       46.16175  (22101423)
        491881.81   3616210.53       42.15465  (22101423)                491862.86
3616226.47       34.13871  (20101624)
        491843.91   3616242.41       34.98416  (20101624)                491824.96
3616258.35       36.39830  (20101624)
        491806.01   3616274.29       41.71332  (20101624)                491787.05
3616290.23       43.41339  (20101624)
        491768.10   3616306.17       51.00142  (22080806)                491749.15
3616322.10       57.75297  (22080806)
        491730.20   3616338.04       61.84264  (22080806)                491711.25
3616353.98       60.59735  (22080806)
        491692.30   3616369.92       59.16392  (22080806)                491673.35
3616385.86       51.06974  (21071403)
        491654.40   3616401.80       59.88490  (21071403)                491635.45
3616417.74       61.68655  (21071403)
        491616.50   3616433.68       67.97424  (22040523)                491597.55
3616449.62       79.04463  (22081404)
        491578.60   3616465.55       86.89325  (22081404)                491275.40
3616720.58       46.61170  (22013119)
        491256.45   3616736.51       48.77035  (22013119)                491237.50
3616752.45       46.39481  (22013119)
        491218.55   3616768.39       44.67918  (21061224)                491199.60
3616784.33       43.33140  (21061224)
        491180.65   3616800.27       43.14505  (21061224)                491161.70
3616816.21       47.46104  (20012520)
        491142.75   3616832.15       60.05759  (20012520)                491123.80
3616848.09       68.93798  (20012520)
        491104.85   3616864.03       70.89010  (20012520)                491085.90
3616879.96       74.15007  (21030702)
        491066.95   3616895.90       84.38472  (21030702)                491048.00
3616911.84       83.14883  (21030702)
        491029.05   3616927.78       60.90954  (21030702)                491010.10
3616943.72       39.20775  (21081823)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
490991.15	3616959.66	52.36095	(21030702)	490972.20	3616975.60	61.99065	(21030702)
490953.25	3616991.54	57.82753	(21012619)	490934.30	3617007.47	57.86803	(21012619)
490915.34	3617023.41	83.38388	(20042401)	490896.39	3617039.35	121.73251	(20042401)
490877.44	3617055.29	123.87402	(20042401)	490782.69	3617134.99	113.20144	(21081303)
490763.74	3617150.92	115.59313	(21081303)	490744.79	3617166.86	109.74019	(21081303)
490725.84	3617182.80	97.98152	(21081303)	490706.89	3617198.74	99.20541	(22081405)
490687.94	3617214.68	101.36168	(22081405)	490668.99	3617230.62	98.97745	(22111819)
490650.04	3617246.56	98.45724	(22111819)	490631.09	3617262.50	89.85228	(22111819)
490536.34	3617342.19	69.14336	(20071124)	490517.39	3617358.13	72.00213	(20042722)
490498.44	3617374.07	80.60930	(22090420)	490479.49	3617390.01	90.77504	(22090420)
490460.54	3617405.95	99.02899	(22090420)	492566.01	3613979.87	50.58086	(22071923)
492563.93	3613955.15	49.36666	(20101407)	492561.84	3613930.43	39.10382	(20101407)
492559.76	3613905.71	21.67212	(20101407)	492557.68	3613880.99	18.94528	(21090201)
492555.59	3613856.27	28.60313	(21041103)	492553.51	3613831.55	33.76111	(21041103)
492958.84	3613970.39	24.04018	(22071923)	492953.08	3613994.51	25.18248	(22073106)
492947.32	3614018.62	28.40786	(22073106)	492941.56	3614042.73	32.85077	(22073106)
492935.80	3614066.85	34.69690	(22073106)	492930.04	3614090.96	38.24128	(22073106)

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        492924.28   3614115.08       46.52263  (22091105)                492918.52
3614139.19       58.73476  (22091105)
        492912.76   3614163.30       55.14771  (22091105)                492907.00
3614187.42       49.59796  (22061005)
        492901.24   3614211.53       42.00953  (22061005)                492895.48
3614235.65       37.06060  (22061005)
        492889.72   3614259.76       36.62591  (22061005)                492883.96
3614283.88       34.63994  (22061005)
        492878.21   3614307.99       31.91689  (22061005)                492872.45
3614332.10       35.57473  (22011321)
        492866.69   3614356.22       42.28286  (22011321)                492860.93
3614380.33       45.31691  (22011321)
        492855.17   3614404.45       52.16892  (22011321)                492849.41
3614428.56       56.49659  (22011321)
        492843.65   3614452.67       58.34125  (22011321)                492837.89
3614476.79       61.89495  (22011321)
        492832.13   3614500.90       59.61182  (20122118)                492826.37
3614525.02       59.75306  (20122118)
        492820.61   3614549.13       55.18769  (20122118)                492814.85
3614573.24       55.11707  (20122118)
        492809.09   3614597.36       67.46659  (20122118)                492803.33
3614621.47       62.35010  (20122118)
        492797.57   3614645.59       57.25707  (20122118)                492791.81
3614669.70       50.87928  (20122118)
        492786.06   3614693.82       43.62829  (20122118)                492780.30
3614717.93       36.49990  (21112917)
        492774.54   3614742.04       36.95071  (21112917)                492768.78
3614766.16       36.36790  (21112917)
        492705.42   3615031.41       43.45666  (21090622)                492699.66
3615055.53       42.82378  (20031323)
        492693.91   3615079.64       40.44256  (20031323)                492688.15
3615103.76       36.90582  (20031323)
        492682.39   3615127.87       35.02854  (20060120)                492642.07
3615296.67       39.48653  (20040701)
        492636.31   3615320.78       45.13580  (20040701)                492630.55
3615344.90       51.21942  (20040701)
        492624.79   3615369.01       60.86684  (22091101)                492619.03
3615393.12       64.37724  (22091101)
        492613.27   3615417.24       66.40941  (22091101)                492607.51
3615441.35       64.49272  (22091101)
        492601.75   3615465.47       59.48728  (22091101)                492596.00
3615489.58       49.03390  (22091101)
        492590.24   3615513.69       46.45069  (22091101)                492584.48
3615537.81       43.23555  (22091101)
        492578.72   3615561.92       38.52800  (20090624)                492572.96
3615586.04       33.63865  (20090624)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
492567.20	3615610.15	34.62707	(22071705)	492561.44	3615634.27	36.93371	(22071705)
492555.68	3615658.38	39.21033	(22071705)	492549.92	3615682.49	40.33834	(22071705)
492544.16	3615706.61	42.19170	(22071705)	492538.40	3615730.72	47.71875	(22071705)
492532.64	3615754.84	45.84918	(22061523)	492526.88	3615778.95	46.00474	(22061523)
492521.12	3615803.06	43.86368	(22061523)	492515.36	3615827.18	40.72700	(22081802)
492509.60	3615851.29	42.21099	(21072403)	492503.85	3615875.41	45.53218	(21072403)
492498.09	3615899.52	51.15258	(22073105)	492475.05	3615995.98	68.76408	(22073105)
492469.29	3616020.09	69.14890	(22073105)	492463.53	3616044.21	67.92896	(22073105)
492457.77	3616068.32	65.31463	(22073105)	492452.01	3616092.43	59.58740	(22073105)
492446.25	3616116.55	51.78903	(20122119)	492440.49	3616140.66	43.82945	(20122119)
492434.73	3616164.78	39.33193	(20122119)	492428.97	3616188.89	31.18249	(22091224)
492423.21	3616213.00	28.26384	(22091224)	492417.45	3616237.12	25.66902	(22091224)
492392.72	3616277.19	38.18883	(20031104)	492373.75	3616293.15	50.30745	(20031104)
492354.77	3616309.11	46.19076	(20031104)	492335.80	3616325.07	40.50926	(20031104)
492316.83	3616341.02	37.97257	(20031104)	492297.85	3616356.98	34.34414	(20062506)
492278.88	3616372.94	33.32734	(20062506)	492259.91	3616388.90	33.44471	(22101423)

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        492240.93   3616404.86       30.77707  (22101423)               492221.96
3616420.82       28.44567  (22101423)
        492202.99   3616436.77       27.84251  (22101423)               492184.01
3616452.73       26.83156  (22101423)
        492165.04   3616468.69       32.46120  (20101624)               492146.07
3616484.65       40.68386  (20101624)
        492127.09   3616500.61       44.43822  (20101624)               492108.12
3616516.57       47.78033  (20101624)
        492089.15   3616532.52       53.10137  (20101624)               492070.17
3616548.48       58.77169  (22080806)
        492051.20   3616564.44       63.48085  (22080806)               492032.23
3616580.40       65.27694  (22080806)
        492013.25   3616596.36       63.91416  (22080806)               491994.28
3616612.32       58.86974  (22080806)
        491975.31   3616628.27       51.58544  (22080806)               491956.33
3616644.23       50.61916  (21071403)
        491937.36   3616660.19       51.24330  (21071403)               491918.39
3616676.15       50.37986  (22040523)
        491899.41   3616692.11       51.73581  (22040523)               491880.44
3616708.07       52.39113  (22081404)
        491861.47   3616724.02       54.12498  (22081404)               491842.49
3616739.98       55.77607  (22081404)
        491538.92   3616995.32       43.89849  (22071805)               491519.94
3617011.28       45.14848  (22013119)
        491500.97   3617027.23       47.61090  (22013119)               491482.00
3617043.19       47.06192  (22013119)
        491463.02   3617059.15       44.93313  (21061224)               491444.05
3617075.11       45.14586  (21061224)
        491425.08   3617091.07       43.96716  (21061224)               491406.10
3617107.03       42.47400  (21061224)
        491387.13   3617122.98       45.89463  (20012520)               491368.16
3617138.94       50.37971  (20012520)
        491349.18   3617154.90       52.71684  (20012520)               491330.21
3617170.86       56.11460  (20012520)
        491311.24   3617186.82       56.78208  (20012520)               491292.26
3617202.78       67.85937  (21030702)
        491273.29   3617218.73       78.49603  (21030702)               491254.32
3617234.69       84.78359  (21030702)
        491235.34   3617250.65       88.92719  (21030702)               491216.37
3617266.61       91.18303  (21030702)
        491197.39   3617282.57       75.52075  (21030702)               491178.42
3617298.53       60.19246  (21030702)
        491159.45   3617314.48       41.30049  (21012619)               491140.47
3617330.44       53.27856  (21012619)
        491121.50   3617346.40       64.17787  (20042401)               491102.53
3617362.36       65.67044  (20042401)
        491083.55   3617378.32       65.76882  (20042401)               491045.61
3617410.23       73.55537  (20051524)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
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                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF VARIOUS IN MICROGRAMS/M**3 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
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        489144.79   3614066.06     2677.07979  (20022322)               489121.72
3614064.98     2865.21841  (22021320)
        489098.65   3614063.90     2754.10955  (21020502)               489075.58
3614062.82     2148.67455  (20011821)
        489185.20   3614049.13     2034.78322  (20022805)               489225.12
3614078.97     2401.68055  (20021622)
        489145.95   3614041.08     2233.88661  (20022322)               489122.88
3614040.01     2281.00773  (22021320)
        489099.82   3614038.93     2389.01606  (21020502)               489076.75
3614037.85     1918.10472  (21020502)
        489186.36   3614024.16     1754.11965  (20022805)               489218.72
3614038.09     1756.38824  (22111120)
        489242.46   3614060.97     1994.00570  (21102720)               489147.12
3614016.11     1865.00573  (20022322)
        489124.05   3614015.03     1799.58771  (21022003)               489100.98
3614013.96     2033.93332  (22021320)
        489077.92   3614012.88     1935.89354  (21020502)               489191.93
3613975.60     1312.57476  (20022805)
        489230.76   3613992.33     1337.34411  (22111120)               489278.67
3614028.14     1439.80435  (22031720)
        489296.83   3614066.31      965.39880  (20022023)               489149.45
3613966.17     1328.22180  (20022322)
        489126.38   3613965.09     1456.79878  (21022003)               489103.32
3613964.01     1516.43489  (22021320)
        489080.25   3613962.93     1526.18759  (21020502)               489193.34
3613925.26     1066.03490  (20022805)
        489230.32   3613941.19     1148.47467  (21121020)               489267.29
3613957.11     1158.53449  (20021622)
        489312.92   3613991.22      959.87017  (21101620)               489330.22
3614027.57      686.67832  (20022023)
        489347.52   3614063.93      367.19253  (20020621)               489151.78
3613916.22      986.63626  (21021103)
        489128.72   3613915.14     1176.18073  (20022322)               489105.65
3613914.07     1089.04203  (21022003)
        489082.58   3613912.99     1256.32205  (22021320)               489197.41
3613876.06      872.81177  (20022805)
        489237.85   3613893.48      946.65035  (21121020)               489278.29
3613910.90      966.69680  (20021622)
        489318.74   3613928.32      922.04122  (22031720)               489348.42
3613956.91      631.96815  (21101620)
        489367.34   3613996.67      468.26156  (20022023)               489386.26
3614036.44      285.05310  (20020621)
        489154.12   3613866.27      838.86116  (22021321)               489131.05
3613865.20      944.27053  (20022322)
        489107.98   3613864.12      951.33902  (21022003)               489084.91
3613863.04      953.57214  (22021320)
        489198.93   3613825.77      743.10877  (20022805)               489237.76
3613842.49      787.48477  (21121020)
        489276.58   3613859.21      777.85805  (20021622)               489315.41
3613875.93      779.19758  (21102720)
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
489354.24	3613892.66	686.35633	(22031720)	489382.73	3613920.11	466.10020	(20022023)
489400.89	3613958.28	358.61983	(20022023)	489419.05	3613996.45	215.38287	(20020621)
489437.22	3614034.63	227.52392	(20020621)	489156.45	3613816.33	725.20072	(22021321)
489133.38	3613815.25	759.66021	(20022322)	489110.32	3613814.17	814.86587	(20022322)
489087.25	3613813.10	749.06491	(21022003)	489204.09	3613726.09	558.28551	(20022805)
489243.92	3613743.24	555.92904	(21121020)	489283.74	3613760.39	548.07065	(21121020)
489323.56	3613777.54	604.08292	(20021622)	489363.38	3613794.70	573.26932	(22031720)
489403.20	3613811.85	491.40876	(21101620)	489452.34	3613848.57	315.52450	(20022023)
489470.97	3613887.73	211.94533	(20022023)	489489.59	3613926.88	145.91734	(20020621)
489508.22	3613966.03	152.56645	(20020621)	489526.85	3614005.18	156.84897	(20020621)
489545.48	3614044.34	160.99073	(20020621)	489161.12	3613716.44	559.61718	(22021321)
489138.05	3613715.36	502.34711	(20022322)	489114.98	3613714.28	597.33191	(20022322)
489091.91	3613713.21	605.75916	(21022003)	489209.07	3613626.33	440.55781	(20022805)
489249.52	3613643.75	402.35273	(21121020)	489289.96	3613661.17	462.82489	(21121020)

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        489330.40   3613678.59      454.43399  (20021622)               489370.85
3613696.01      441.84401  (21102720)
        489411.29   3613713.43      457.57368  (22031720)               489451.73
3613730.85      375.49579  (21101620)
        489492.18   3613748.27      261.59848  (20022023)               489521.86
3613776.86      216.96385  (20022023)
        489540.78   3613816.62      136.28248  (20022023)               489559.70
3613856.39      105.32089  (21121907)
        489578.62   3613896.15      109.64030  (21121907)               489597.54
3613935.92      112.29138  (21121907)
        489616.46   3613975.68      113.37971  (21121907)               489635.37
3614015.44      112.83870  (21121907)
        489165.78   3613616.55      447.40249  (22021321)               489142.71
3613615.47      399.51726  (21021103)
        489119.65   3613614.39      432.85218  (20022322)               489096.58
3613613.31      479.11145  (20022322)
        489213.95   3613526.53      359.69366  (20022805)               489254.82
3613544.14      298.72175  (21121020)
        489295.69   3613561.74      380.04186  (21121020)               489336.56
3613579.34      343.28432  (20091802)
        489377.43   3613596.94      387.77209  (20021622)               489418.30
3613614.55      370.54394  (21102720)
        489459.17   3613632.15      368.80253  (22031720)               489500.04
3613649.75      299.55548  (21101620)
        489540.91   3613667.35      212.99013  (20022023)               489591.34
3613705.05      152.70661  (20022023)
        489610.45   3613745.23       92.47076  (20022023)               489629.57
3613785.41       78.50835  (21121907)
        489648.69   3613825.60       81.13294  (21121907)               489667.81
3613865.78       83.22070  (21121907)
        489686.93   3613905.96       84.46398  (21121907)               489706.05
3613946.14       85.21993  (21121907)
        489725.16   3613986.33      206.08245  (20021119)               489744.28
3614026.51       96.45522  (22011903)
        489170.45   3613516.66      367.66026  (22021321)               489147.38
3613515.58      336.87417  (21021103)
        489124.31   3613514.50      316.91655  (20022322)               489101.25
3613513.42      371.78625  (20022322)
        489218.77   3613426.71      301.39282  (20022805)               489259.95
3613444.45      250.86576  (20111106)
        489301.13   3613462.18      308.91146  (21121020)               489342.31
3613479.92      299.11039  (21121020)
        489383.49   3613497.65      307.47046  (22111120)               489424.67
3613515.39      311.54739  (20021622)
        489465.85   3613533.12      305.82679  (21102720)               489507.03
3613550.86      302.11326  (22031720)
        489548.20   3613568.60      245.20289  (21101620)               489589.38
3613586.33      177.64518  (20022023)
        489630.56   3613604.07      319.06482  (20121321)               489660.78
3613633.18      223.40289  (22040524)
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF VARIOUS IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
489718.57	3613754.64	125.54399	(21121218)	489737.84	3613795.13	64.84256	(21121907)
489757.10	3613835.62	204.70344	(20021119)	489776.36	3613876.10	297.25241	(20021119)
489795.63	3613916.59	68.43907	(21121907)	489814.89	3613957.08	71.50701	(21121907)
489834.15	3613997.56	80.11328	(22011903)	489175.11	3613416.76	309.01961	(22021321)
489152.05	3613415.69	288.43892	(22021321)	489128.98	3613414.61	258.72149	(21021103)
489105.91	3613413.53	286.89807	(20022322)	489223.56	3613326.87	257.39121	(20022805)
489244.26	3613335.79	240.91098	(20022805)	489264.97	3613344.71	219.09218	(20111106)
489285.68	3613353.63	217.50339	(21121020)	489327.09	3613371.46	269.05475	(21121020)
489347.80	3613380.38	268.04641	(21121020)	489389.21	3613398.22	246.07289	(20091802)
489409.92	3613407.14	262.50811	(22111120)	489451.33	3613424.97	269.11113	(20021622)
489472.04	3613433.89	256.01213	(21102720)	489513.46	3613451.73	257.27093	(22031720)
489534.16	3613460.65	264.54134	(22031720)	489575.58	3613478.49	226.97996	(21101620)
489596.29	3613487.40	203.97422	(21101620)	489637.70	3613505.24	384.18636	(20121321)

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        489658.41   3613514.16      359.46256  (20121321)              489699.82
3613532.00      274.71737  (22040524)
        489730.21   3613561.27      213.86157  (22040524)              489739.90
3613581.63      154.96794  (22040524)
        489759.27   3613622.35      198.10615  (21121218)              489768.96
3613642.71      195.69275  (21121218)
        489788.33   3613683.43      112.55661  (21121218)              489807.71
3613724.15      263.09570  (20030801)
        489827.08   3613764.87      148.48537  (20021119)              489836.77
3613785.23       55.22140  (21121907)
        489856.14   3613825.94       57.00481  (21121907)              489875.51
3613866.66       57.74271  (21121907)
        489894.89   3613907.38       56.66512  (21121907)              489914.26
3613948.10       56.12801  (21121907)
        489923.95   3613968.46       66.92593  (22011903)              489943.32
3614009.18      160.15345  (22011903)
        489179.78   3613316.87      264.18990  (22021321)              489156.71
3613315.80      251.62701  (22021321)
        489133.65   3613314.72      230.37269  (21021103)              489110.58
3613313.64      222.22220  (20022322)
        489233.05   3613127.16      196.39016  (20022805)              489253.93
3613136.15      187.32694  (20022805)
        489274.80   3613145.14      171.85694  (20111106)              489295.68
3613154.13      157.46250  (20111106)
        489316.55   3613163.12      167.50226  (21121020)              489337.43
3613172.11      189.88476  (21121020)
        489358.30   3613181.10      203.53772  (21121020)              489379.17
3613190.09      206.01964  (21121020)
        489400.05   3613199.08      196.72109  (21121020)              489420.92
3613208.07      181.96090  (20091802)
        489441.80   3613217.06      187.49673  (20091802)              489462.67
3613226.05      199.83232  (22111120)
        489483.54   3613235.05      209.43390  (20021622)              489504.42
3613244.04      208.75159  (20021622)
        489525.29   3613253.03      195.63288  (20021622)              489546.17
3613262.02      198.51466  (21102720)
        489567.04   3613271.01      200.56941  (21102720)              489587.92
3613280.00      194.50971  (22031720)
        489608.79   3613288.99      201.48962  (22031720)              489629.66
3613297.98      195.69074  (22031720)
        489650.54   3613306.97      178.25880  (22031720)              489671.41
3613315.96      168.63551  (21101620)
        489692.29   3613324.95      151.99801  (21101620)              489713.16
3613333.94      127.98838  (21101620)
        489734.04   3613342.93      117.58274  (20113018)              489754.91
3613351.92      116.16624  (20022023)
        489775.78   3613360.91      110.72061  (20022023)              489796.66
3613369.90      101.15875  (20022023)
        489817.53   3613378.89       88.63304  (20022023)              489838.41
3613387.88       74.61727  (20022023)
```

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        489908.10   3613499.49   37.54005 (21121907)   489917.87
3613520.01   39.08100 (21121907)
        489927.63   3613540.54   39.98725 (21121907)   489937.40
3613561.06   40.17544 (21121907)
        489947.16   3613581.58   40.56589 (21121907)   489956.93
3613602.11   40.53925 (21121907)
        489966.69   3613622.63   41.04861 (21121907)   489976.46
3613643.16   41.52778 (21121907)
        489986.22   3613663.68   42.05015 (21121907)   489995.99
3613684.20   42.13081 (21121907)
        490005.75   3613704.73   41.11718 (21121907)   490015.52
3613725.25   41.67041 (21121907)
        490025.28   3613745.77   42.83671 (21121907)   490035.05
3613766.30   42.99167 (21121907)
        490044.81   3613786.82   43.06567 (21121907)   490054.58
3613807.34   43.12146 (21121907)
        490064.34   3613827.87   43.12670 (21121907)   490074.10
3613848.39   43.06649 (21121907)
        490083.87   3613868.91   43.00817 (21121907)   490093.63
3613889.44   42.75302 (21121907)
        490103.40   3613909.96   50.16887 (22011903)   490113.16
3613930.48   57.16882 (22011903)
        490122.93   3613951.01   62.94236 (22011903)   489212.18
3613118.17   193.46268 (20022805)

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        489189.11   3613117.09      201.10871  (22021321)              489166.04
3613116.01      196.81727  (22021321)
        489142.98   3613114.94      184.33583  (21021103)              489119.91
3613113.86      168.04263  (21021103)
        489242.50   3612927.43      156.51934  (20022805)              489263.49
3612936.47      151.15996  (20022805)
        489284.47   3612945.50      139.08395  (20111106)              489305.46
3612954.54      130.78249  (20111106)
        489326.45   3612963.58      125.07400  (22011402)              489347.43
3612972.62      134.11966  (21121020)
        489368.42   3612981.66      150.19458  (21121020)              489389.41
3612990.70      160.80679  (21121020)
        489410.40   3612999.74      164.44430  (21121020)              489431.38
3613008.78      160.50637  (21121020)
        489452.37   3613017.82      149.42273  (21121020)              489473.36
3613026.86      146.79913  (20091802)
        489494.34   3613035.90      149.21691  (20091802)              489515.33
3613044.93      158.97906  (22111120)
        489536.32   3613053.97      165.85399  (20021622)              489557.30
3613063.01      167.47663  (20021622)
        489578.29   3613072.05      160.94155  (20021622)              489599.28
3613081.09      151.63798  (21102720)
        489620.27   3613090.13      159.37537  (21102720)              489641.25
3613099.17      159.10466  (21102720)
        489662.24   3613108.21      154.21123  (22031720)              489683.23
3613117.25      160.43465  (22031720)
        489704.21   3613126.29      159.03211  (22031720)              489725.20
3613135.32      149.61247  (22031720)
        489746.19   3613144.36      139.58252  (21101620)              489767.17
3613153.40      130.71792  (21101620)
        489788.16   3613162.44      116.73171  (21101620)              489809.15
3613171.48       99.42132  (21101620)
        489830.14   3613180.52       93.91577  (20113018)              489851.12
3613189.56       92.40480  (20022023)
        489872.11   3613198.60       90.22806  (20022023)              489893.10
3613207.64       85.01714  (20022023)
        489914.08   3613216.68       77.36639  (20022023)              489935.07
3613225.72       68.10319  (20022023)
        489956.06   3613234.75       58.05126  (20022023)              489977.05
3613243.79       47.98896  (20022023)
        490007.85   3613273.47       30.96343  (20022023)              490017.67
3613294.10       28.51309  (21121907)
        490027.49   3613314.74       28.82292  (21121907)              490037.30
3613335.37       28.85258  (21121907)
        490047.12   3613356.00       29.20179  (21121907)              490056.94
3613376.64       29.69869  (21121907)
        490066.76   3613397.27       30.03456  (21121907)              490076.57
3613417.91       30.28377  (21121907)
        490086.39   3613438.54       30.53636  (21121907)              490096.21
3613459.18       30.81391  (21121907)
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
490164.93	3613603.62	32.10746	(21121907)	490174.75	3613624.25	32.21649	(21121907)
490184.57	3613644.89	32.31078	(21121907)	490194.38	3613665.52	32.31677	(21121907)
490204.20	3613686.15	32.25396	(21121907)	490214.02	3613706.79	32.39521	(21121907)
490223.84	3613727.42	32.42765	(21121907)	490233.65	3613748.06	32.47959	(21121907)
490243.47	3613768.69	32.50023	(21121907)	490253.29	3613789.33	32.44172	(21121907)
490263.11	3613809.96	32.37927	(21121907)	490272.92	3613830.60	33.59858	(22011903)
490282.74	3613851.23	38.90662	(22011903)	490292.56	3613871.86	43.88169	(22011903)
490302.38	3613892.50	48.13031	(22011903)	490351.46	3613995.67	49.67427	(22011903)
489221.51	3612918.39	154.16661	(20022805)	489198.44	3612917.31	159.52190	(22021321)
489175.38	3612916.23	158.72658	(22021321)	489152.31	3612915.15	150.45259	(22021321)
489129.24	3612914.08	142.12574	(21021103)	489251.91	3612727.68	128.65392	(20022805)

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        489272.98   3612736.75      125.32057  (20022805)                489294.05
3612745.83      117.02961  (20022805)
        489315.12   3612754.90      110.36349  (20111106)                489336.19
3612763.98      102.24742  (20111106)
        489357.25   3612773.05      103.27014  (20091924)                489378.32
3612782.12      110.49516  (21121020)
        489399.39   3612791.20      122.56782  (21121020)                489420.46
3612800.27      131.00786  (21121020)
        489441.53   3612809.35      134.83287  (21121020)                489462.60
3612818.42      133.51088  (21121020)
        489483.66   3612827.49      127.17183  (21121020)                489504.73
3612836.57      116.46439  (21121020)
        489525.80   3612845.64      121.44711  (20091802)                489546.87
3612854.72      123.02317  (22111120)
        489567.94   3612863.79      130.44965  (22111120)                489589.01
3612872.86      135.44240  (20021622)
        489610.07   3612881.94      138.02241  (20021622)                489631.14
3612891.01      134.97831  (20021622)
        489652.21   3612900.09      126.65815  (20021622)                489673.28
3612909.16      127.29088  (21102720)
        489694.35   3612918.24      131.58294  (21102720)                489715.42
3612927.31      130.41804  (21102720)
        489736.49   3612936.38      126.21515  (22031720)                489757.55
3612945.46      131.79045  (22031720)
        489778.62   3612954.53      131.84606  (22031720)                489799.69
3612963.61      126.50715  (22031720)
        489820.76   3612972.68      116.72085  (21101620)                489841.83
3612981.75      112.63497  (21101620)
        489862.90   3612990.83      104.45736  (21101620)                489883.96
3612999.90       93.03693  (21101620)
        489905.03   3613008.98       80.02616  (21101620)                489926.10
3613018.05       77.44532  (20113018)
        489947.17   3613027.12       75.97418  (20022023)                489968.24
3613036.20       75.22272  (20022023)
        489989.31   3613045.27       72.34570  (20022023)                490010.37
3613054.35       67.71131  (20022023)
        490031.44   3613063.42       61.58610  (20022023)                490052.51
3613072.50       54.31841  (20022023)
        490073.58   3613081.57       46.64374  (20022023)                490094.65
3613090.64       39.02454  (20022023)
        490115.72   3613099.72       31.84131  (20022023)                490146.64
3613129.51       23.06330  (20060102)
        490156.50   3613150.22       22.72328  (20081307)                490166.35
3613170.93       22.59497  (21121907)
        490176.21   3613191.65       22.81023  (21121907)                490186.06
3613212.36       23.02845  (21121907)
        490195.92   3613233.08       23.26467  (21121907)                490205.77
3613253.79       23.48762  (21121907)
        490215.63   3613274.51       23.67535  (21121907)                490225.48
3613295.22       23.87434  (21121907)
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF VARIOUS IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
490314.18	3613481.65	25.12236	(21121907)	490324.04	3613502.36	25.22036	(21121907)
490333.90	3613523.08	25.29109	(21121907)	490343.75	3613543.79	25.35789	(21121907)
490353.61	3613564.51	25.41186	(21121907)	490363.46	3613585.22	25.46023	(21121907)
490373.32	3613605.94	25.49621	(21121907)	490383.17	3613626.65	25.53553	(21121907)
490393.03	3613647.36	25.55463	(21121907)	490402.89	3613668.08	25.49336	(21121907)
490412.74	3613688.79	25.54210	(21121907)	490422.60	3613709.51	25.50754	(21121907)
490432.45	3613730.22	25.46278	(21121907)	490442.31	3613750.94	25.41073	(21121907)
490452.16	3613771.65	27.27009	(22011903)	490462.02	3613792.37	31.18711	(22011903)
490471.87	3613813.08	34.89866	(22011903)	490481.73	3613833.79	38.17334	(22011903)
490491.59	3613854.51	40.78677	(22011903)	490540.86	3613958.08	39.88802	(22011903)

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        490550.72   3613978.79       37.08039  (22011903)               489230.84
3612718.60      126.72887  (20022805)
        489207.78   3612717.53      130.35541  (22021321)               489184.71
3612716.45      131.12874  (22021321)
        489161.64   3612715.37      126.74565  (22021321)               489138.57
3612714.29      120.73564  (21021103)
        489261.31   3612527.92      108.19145  (20022805)               489282.44
3612537.02      106.03399  (20022805)
        489303.57   3612546.12      100.30215  (20022805)               489324.70
3612555.22       94.40961  (20111106)
        489345.82   3612564.33       89.05653  (20111106)               489366.95
3612573.43       85.84944  (22011402)
        489388.08   3612582.53       87.65443  (20091924)               489409.21
3612591.63       92.98147  (21121020)
        489430.34   3612600.73      102.37646  (21121020)               489451.47
3612609.83      109.24035  (21121020)
        489472.60   3612618.93      112.89434  (21121020)               489493.73
3612628.03      112.95378  (21121020)
        489514.86   3612637.13      109.35427  (21121020)               489535.99
3612646.23      102.42253  (21121020)
        489557.12   3612655.33       99.16135  (20091802)               489578.25
3612664.43      102.48998  (20091802)
        489599.38   3612673.53      103.76642  (22111120)               489620.51
3612682.63      109.55668  (22111120)
        489641.64   3612691.73      113.15635  (20021622)               489662.77
3612700.83      115.93743  (20021622)
        489683.90   3612709.93      114.91181  (20021622)               489705.03
3612719.04      109.84127  (20021622)
        489726.16   3612728.14      102.44772  (21102720)               489747.29
3612737.24      108.61433  (21102720)
        489768.42   3612746.34      110.95711  (21102720)               489789.55
3612755.44      109.18735  (21102720)
        489810.68   3612764.54      105.48523  (22031720)               489831.81
3612773.64      110.43768  (22031720)
        489852.94   3612782.74      111.38859  (22031720)               489874.07
3612791.84      108.29011  (22031720)
        489895.20   3612800.94      101.56817  (22031720)               489916.33
3612810.04       97.31515  (21101620)
        489937.46   3612819.14       93.05471  (21101620)               489958.59
3612828.24       85.79449  (21101620)
        489979.72   3612837.34       76.43956  (21101620)               490000.85
3612846.44       66.18381  (21101620)
        490021.98   3612855.54       65.35215  (20113018)               490043.11
3612864.64       63.71598  (20022023)
        490064.24   3612873.74       63.83773  (20022023)               490085.37
3612882.85       62.47691  (20022023)
        490106.50   3612891.95       59.43270  (20022023)               490127.63
3612901.05       55.18149  (20022023)
        490148.76   3612910.15       50.03556  (20022023)               490169.89
3612919.25       44.31353  (20022023)
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        490191.02   3612928.35       38.33234  (20022023)                490212.15
3612937.45       32.44536  (20022023)
        490233.28   3612946.55       26.88756  (20022023)                490254.41
3612955.65       21.85357  (20022023)
        490285.42   3612985.53       20.71550  (20081307)                490295.31
3613006.30       20.26647  (20081307)
        490305.19   3613027.07       19.66052  (21100108)                490315.07
3613047.85       19.40015  (21100108)
        490324.96   3613068.62       18.92884  (21100108)                490334.84
3613089.40       18.77520  (21121907)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE 152
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        490344.73   3613110.17       18.89763  (21121907)                490354.61
3613130.95       19.03292  (21121907)
        490364.50   3613151.72       19.16676  (21121907)                490374.38
3613172.50       19.31939  (21121907)
        490384.26   3613193.27       19.43195  (21121907)                490394.15
3613214.05       19.53480  (21121907)
        490404.03   3613234.82       19.63435  (21121907)                490413.92
3613255.60       19.73098  (21121907)
        490423.80   3613276.37       19.83208  (21121907)                490433.69
3613297.15       19.97859  (21121907)
        490443.57   3613317.92       20.06666  (21121907)                490453.45
3613338.70       20.11182  (21121907)
        490463.34   3613359.47       20.19546  (21121907)                490473.22
3613380.25       20.28523  (21121907)
        490483.11   3613401.02       20.37267  (21121907)                490492.99
3613421.79       20.38404  (21121907)
        490502.88   3613442.57       20.32799  (21121907)                490512.76
3613463.34       20.33253  (21121907)
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        490522.64   3613484.12       20.28193  (21121907)                490532.53
3613504.89       20.26853  (21121907)
        490542.41   3613525.67       20.30046  (21121907)                490552.30
3613546.44       20.32482  (21121907)
        490562.18   3613567.22       20.31273  (21121907)                490572.07
3613587.99       20.27938  (21121907)
        490581.95   3613608.77       20.28957  (21121907)                490591.83
3613629.54       20.22544  (21121907)
        490601.72   3613650.32       20.09365  (21121907)                490611.60
3613671.09       56.63426  (20122017)
        490621.49   3613691.87       62.09114  (20122017)                490631.37
3613712.64       67.38886  (20122017)
        490641.26   3613733.42       70.59300  (20122017)                490651.14
3613754.19       70.27423  (20122017)
        490661.02   3613774.97       71.54427  (20122017)                490670.91
3613795.74       77.38286  (20122017)
        490680.79   3613816.51       78.37918  (22011903)                490690.68
3613837.29       84.00885  (22011903)
        490730.22   3613920.39       88.09817  (22011903)                490740.10
3613941.16       99.66004  (21041103)
        490749.98   3613961.94      116.29111  (21041103)                489240.18
3612518.82      106.60975  (20022805)
        489217.11   3612517.75      108.95691  (22021321)                489194.04
3612516.67      110.44225  (22021321)
        489170.97   3612515.59      108.24883  (22021321)                489147.91
3612514.51      103.38632  (21021103)
        489270.69   3612328.16       92.13288  (20022805)                489291.86
3612337.28       90.71298  (20022805)
        489313.04   3612346.40       86.63309  (20022805)                489334.22
3612355.53       81.22290  (20111106)
        489355.40   3612364.65       77.64071  (20111106)                489376.57
3612373.77       72.47278  (20111106)
        489397.75   3612382.89       73.01665  (22011402)                489418.93
3612392.01       75.21017  (20091924)
        489440.11   3612401.13       79.00166  (21121020)                489461.29
3612410.25       86.46787  (21121020)
        489482.46   3612419.37       92.28212  (21121020)                489503.64
3612428.50       96.21397  (21121020)
        489524.82   3612437.62       97.05306  (21121020)                489546.00
3612446.74       95.12550  (21121020)
        489567.18   3612455.86       90.57806  (21121020)                489588.35
3612464.98       83.59526  (21121020)
        489609.53   3612474.10       85.81841  (20091802)                489630.71
3612483.22       87.98640  (20091802)
        489651.89   3612492.34       89.16277  (22111120)                489673.06
3612501.47       93.75828  (22111120)
        489694.24   3612510.59       95.50703  (20021622)                489715.42
3612519.71       98.04093  (20021622)
        489736.60   3612528.83       97.93768  (20021622)                489757.78
3612537.95       94.98904  (20021622)
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        490371.93   3612802.47       20.43115  (20120508)               490393.11
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        490424.20   3612841.53       19.09296  (20081307)               490434.10
3612862.35       18.59738  (20081307)
        490444.01   3612883.18       18.16957  (21100108)               490453.92
3612904.00       17.79408  (21100108)
        490463.82   3612924.82       17.25934  (21100108)               490473.73
3612945.64       16.84603  (21011409)
        490483.64   3612966.46       16.68063  (21011409)               490493.54
3612987.29       16.27948  (21011409)
        490503.45   3613008.11       15.91413  (21121907)               490513.36
3613028.93       16.00303  (21121907)
        490523.26   3613049.75       16.07646  (21121907)               490533.17
3613070.57       16.11909  (21121907)
        490543.08   3613091.39       16.11895  (21121907)               490552.98
3613112.22       16.18972  (21121907)
        490562.89   3613133.04       16.25494  (21121907)               490572.80
3613153.86       16.29988  (21121907)
        490582.70   3613174.68       16.29933  (21121907)               490592.61
3613195.50       16.33864  (21121907)
        490602.52   3613216.33       16.39464  (21121907)               490612.42
3613237.15       16.45159  (21121907)
        490622.33   3613257.97       16.47474  (21121907)               490632.24
3613278.79       16.50670  (21121907)
        490642.14   3613299.61       16.53391  (21121907)               490652.05
3613320.44       16.73895  (20112808)
        490661.96   3613341.26       17.49369  (20112808)               490671.86
3613362.08       68.68747  (20021119)
        490681.77   3613382.90       75.11388  (20021119)               490691.68
3613403.72       84.53436  (20021119)
        490701.59   3613424.55       92.91306  (20021119)               490711.49
3613445.37       96.07636  (20021119)
        490721.40   3613466.19       90.33118  (20021119)               490731.31
3613487.01       81.59525  (20021119)
        490741.21   3613507.83       79.28270  (20060123)               490751.12
3613528.66       92.57499  (20060123)
        490761.03   3613549.48       93.06158  (20060123)               490770.93
3613570.30      102.65821  (20120117)
        490780.84   3613591.12      116.39486  (20120117)               490790.75
3613611.94      128.90792  (20120117)
        490800.65   3613632.77      138.77620  (20120117)               490810.56
3613653.59      145.89986  (20120117)
        490820.47   3613674.41      146.87933  (20120117)               490830.37
3613695.23      144.71026  (20120117)
        490840.28   3613716.05      136.82595  (20120117)               490850.19
3613736.88      125.13745  (20120117)
        490860.09   3613757.70      121.25518  (22022619)               490870.00
3613778.52      124.55081  (22022619)
        490879.91   3613799.34      123.16452  (22022619)               490929.44
3613903.45      114.71958  (21041103)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
490939.35	3613924.27	125.22450	(21041103)	490949.25	3613945.09	130.79139	(21041103)
489249.51	3612319.04	90.80725	(20022805)	489226.44	3612317.96	92.09144	(22021321)
489203.37	3612316.89	93.85946	(22021321)	489180.31	3612315.81	92.94261	(22021321)
489157.24	3612314.73	89.41707	(22021321)	489289.11	3611928.49	71.06672	(20022805)
489310.04	3611937.51	70.46102	(20022805)	489330.98	3611946.53	68.29039	(20022805)
489351.91	3611955.54	64.67726	(20022805)	489372.85	3611964.56	61.93585	(20111106)
489393.79	3611973.58	59.33008	(20111106)	489414.72	3611982.59	55.83040	(20111106)
489435.66	3611991.61	56.02201	(22011402)	489456.59	3612000.63	56.04729	(22011402)
489477.53	3612009.65	58.14842	(20091924)	489498.46	3612018.66	59.94500	(21121020)
489519.40	3612027.68	65.16147	(21121020)	489540.33	3612036.70	69.41088	(21121020)
489561.27	3612045.71	72.43479	(21121020)	489582.21	3612054.73	74.03553	(21121020)
489603.14	3612063.75	74.10011	(21121020)	489624.08	3612072.76	72.60697	(21121020)
489645.01	3612081.78	69.63402	(21121020)	489665.95	3612090.80	65.37662	(21121020)
489686.88	3612099.81	63.57781	(20091802)	489707.82	3612108.83	66.09522	(20091802)

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        489728.76   3612117.85       67.31628  (20091802)               489749.69
3612126.87       67.14152  (20091802)
        489770.63   3612135.88       70.65050  (22111120)               489791.56
3612144.90       72.71990  (22111120)
        489812.50   3612153.92       74.37930  (20021622)               489833.43
3612162.93       75.90318  (20021622)
        489854.37   3612171.95       75.72593  (20021622)               489875.30
3612180.97       73.77369  (20021622)
        489896.24   3612189.98       70.26290  (20021622)               489917.18
3612199.00       66.84163  (21011221)
        489938.11   3612208.02       69.07635  (21102720)               489959.05
3612217.03       71.54113  (21102720)
        489979.98   3612226.05       72.49173  (21102720)               490000.92
3612235.07       71.73665  (21102720)
        490021.85   3612244.09       69.33844  (21102720)               490042.79
3612253.10       69.57293  (22031720)
        490063.72   3612262.12       72.20292  (22031720)               490084.66
3612271.14       73.14821  (22031720)
        490105.60   3612280.15       72.29467  (22031720)               490126.53
3612289.17       69.80048  (22031720)
        490147.47   3612298.19       65.68270  (22031720)               490168.40
3612307.20       64.02887  (21101620)
        490189.34   3612316.22       62.46124  (21101620)               490210.27
3612325.24       59.55553  (21101620)
        490231.21   3612334.25       55.63733  (21101620)               490252.15
3612343.27       50.82112  (21101620)
        490273.08   3612352.29       45.39373  (21101620)               490294.02
3612361.31       43.38729  (20113018)
        490314.95   3612370.32       43.77300  (20120508)               490335.89
3612379.34       44.93615  (20120508)
        490356.82   3612388.36       45.53752  (20120508)               490377.76
3612397.37       46.50070  (20120508)
        490398.69   3612406.39       45.16260  (20120508)               490419.63
3612415.41      145.40867  (22040524)
        490440.57   3612424.42      103.74756  (22040524)               490461.50
3612433.44       40.09498  (20120508)
        490482.44   3612442.46       36.70202  (20120508)               490503.37
3612451.47       33.58633  (20120508)
        490524.31   3612460.49       30.36911  (20120508)               490545.24
3612469.51       27.06751  (20120508)
        490566.18   3612478.53       23.81266  (20120508)               490587.11
3612487.54       20.62008  (20120508)
        490608.05   3612496.56       17.69667  (20120508)               490628.99
3612505.58       16.62680  (20081307)
        490649.92   3612514.59       16.79025  (20081307)               490670.86
3612523.61       16.78383  (20081307)
        490701.59   3612553.21       16.34150  (20081307)               490711.38
3612573.79       16.11072  (21100108)
        490721.17   3612594.38       15.90886  (21100108)               490730.97
3612614.96       15.60423  (21100108)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
490897.46	3612964.89	12.09487	(21121907)	490907.25	3612985.47	12.13244	(21121907)
490917.04	3613006.05	12.16365	(21121907)	490926.84	3613026.64	12.19195	(21121907)
490936.63	3613047.22	12.21701	(21121907)	490946.42	3613067.81	12.23934	(21121907)
490956.22	3613088.39	12.27308	(21121907)	490966.01	3613108.97	12.75981	(20112808)
490975.80	3613129.56	13.37353	(20112808)	490985.60	3613150.14	14.00623	(20112808)
490995.39	3613170.72	14.67555	(20112808)	491005.18	3613191.31	15.34674	(20112808)

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        491014.98   3613211.89       15.88098  (20112808)               491024.77
3613232.48       76.98962  (20021119)
        491034.56   3613253.06       93.54220  (20021119)               491044.36
3613273.64       93.06253  (20021119)
        491054.15   3613294.23       91.65649  (20060123)               491063.94
3613314.81       98.02090  (20060123)
        491073.74   3613335.40      100.96101  (20060123)               491083.53
3613355.98      104.38130  (20060123)
        491093.32   3613376.56      101.01222  (20060123)               491103.12
3613397.15       92.61117  (20060123)
        491112.91   3613417.73       82.34908  (20060123)               491122.71
3613438.31       83.56449  (20120117)
        491132.50   3613458.90       94.47294  (20120117)               491142.29
3613479.48      103.70717  (20120117)
        491152.09   3613500.07      111.21712  (20120117)               491161.88
3613520.65      116.51073  (20120117)
        491171.67   3613541.23      119.26689  (20120117)               491181.47
3613561.82      119.05492  (20120117)
        491191.26   3613582.40      115.93069  (20120117)               491201.05
3613602.98      109.78980  (20120117)
        491210.85   3613623.57      101.12254  (20120117)               491220.64
3613644.15       96.21046  (22022619)
        491230.43   3613664.74      100.81959  (22022619)               491240.23
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        491250.02   3613705.90      100.88148  (22022619)               491259.81
3613726.49       96.47216  (22022619)
        491308.78   3613829.41       89.24674  (21041103)               491318.57
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3613891.16      106.17841  (21041103)
        491347.95   3613911.74      104.48642  (21041103)               489268.17
3611919.48       70.08648  (20022805)
        489245.10   3611918.40       70.22770  (22021321)               489222.04
3611917.32       72.05941  (22021321)
        489198.97   3611916.24       72.31528  (22021321)               489175.90
3611915.17       70.95818  (22021321)
        489307.87   3611528.97       56.59865  (20022805)               489328.90
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        489349.93   3611547.09       55.03983  (20022805)               489370.96
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        489434.05   3611583.32       46.55490  (20111106)               489455.08
3611592.38       43.97893  (20111106)
        489476.11   3611601.43       44.31213  (22011402)               489497.14
3611610.49       44.56205  (22011402)
        489518.17   3611619.55       44.91639  (20091924)               489539.20
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        490022.91   3611836.94       55.50397  (20021622)                490043.94
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        490064.97   3611855.05       54.16949  (21102720)                490086.00
3611864.11       56.43234  (21102720)
        490107.04   3611873.17       57.69238  (21102720)                490128.07
3611882.23       57.87510  (21102720)
        490149.10   3611891.29       56.97108  (21102720)                490170.13
3611900.34       55.20697  (22031220)
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        490191.16   3611909.40       54.97050  (22031720)               490212.19
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3611936.58       58.08437  (22031720)
        490275.28   3611945.63       56.89092  (22031720)               490296.31
3611954.69       54.78826  (22031720)
        490317.34   3611963.75       51.65563  (22031720)               490338.37
3611972.81       51.36168  (21101620)
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        490485.59   3612036.21       36.78506  (20120508)               490506.62
3612045.27       38.28450  (20120508)
        490527.65   3612054.33       40.16026  (20120508)               490548.68
3612063.39       40.80976  (20120508)
        490569.71   3612072.44       41.09763  (20120508)               490590.74
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3612172.08      102.22626  (22040524)
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        491067.68   3612451.32       12.30283  (21011409)               491077.51
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        491087.35   3612492.67       11.37609  (21011409)               491097.19
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        491166.06   3612658.09        9.12218  (21121907)               491175.89
3612678.77        9.15145  (21121907)
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        491205.41   3612740.80        9.54082  (22101808)               491215.25
3612761.48        9.54503  (22101808)
        491225.08   3612782.16        9.46786  (22101808)               491234.92
3612802.83        9.50675  (22101808)
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3612844.19        9.83292  (20112808)
        491264.44   3612864.87        9.59645  (20112808)               491274.27
3612885.54       10.06161  (20112808)
        491284.11   3612906.22       10.37808  (20112808)               491293.95
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 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 157
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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        491323.46   3612988.93       11.66441  (20112808)               491333.30
3613009.61       11.94082  (20112808)
        491343.14   3613030.28       13.08479  (20112808)               491352.98
3613050.96       13.27767  (20112808)
        491362.82   3613071.64       13.30860  (20112808)               491372.65
3613092.32       12.88804  (20112808)
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3613175.03       11.56272  (20112808)
        491421.84   3613195.70       11.00355  (20112808)               491431.68
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3613257.74        9.36976  (21121907)
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        491559.58   3613485.19       85.21165  (20120117)               491569.41
3613505.86       82.37122  (20120117)
        491579.25   3613526.54       77.89435  (20120117)               491589.09
3613547.22       77.20960  (22022619)
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3613795.35       85.75415  (21041103)
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3613878.06       84.59512  (21041103)
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        489240.70   3611517.76       56.90279  (22021321)               489217.63
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3611402.08       44.21428  (22111120)
        489980.73   3611411.17       46.13156  (22111120)                490001.84
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 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE 158
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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        490866.98   3611792.87      125.20699  (20100601)              490888.08
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3612329.90       78.71136  (20030801)
        491434.35   3612350.65       78.46507  (20030801)               491444.22
3612371.39       68.34722  (20030801)
        491454.09   3612392.14       14.75349  (21020119)               491463.96
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 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 159
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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3612495.87        8.35254  (22101808)
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3612661.84        9.14078  (20112808)
        491592.28   3612682.59        9.59958  (20112808)              491602.15
3612703.34        9.97350  (20112808)
        491612.02   3612724.08       10.34194  (20112808)              491621.89
3612744.83       10.84874  (20112808)
        491631.77   3612765.58       11.33608  (20112808)              491641.64
3612786.32       11.69373  (20112808)
        491651.51   3612807.07       11.82917  (20112808)              491661.38
3612827.82       12.02569  (20112808)
        491671.25   3612848.56       11.96202  (20112808)              491681.12
3612869.31       11.90678  (20112808)
        491690.99   3612890.06       11.84668  (20112808)              491700.86
3612910.80       11.68937  (20112808)
        491710.73   3612931.55       11.37197  (20112808)              491720.60
3612952.29       11.02523  (20112808)
        491730.47   3612973.04       10.70666  (20112808)              491740.35
3612993.79       10.31147  (20112808)
        491750.22   3613014.53        9.88932  (20112808)              491760.09
3613035.28        9.39120  (20112808)
        491769.96   3613056.03        8.81923  (20112808)              491779.83
3613076.77        8.42421  (20112808)
        491789.70   3613097.52        8.02159  (20112808)              491799.57
3613118.27       22.45615  (20120117)
        491809.44   3613139.01       28.24470  (20120117)              491819.31
3613159.76       23.18621  (20120117)
        491829.18   3613180.51        7.51082  (21040807)              491839.05
3613201.25        7.53522  (21121907)
        491848.93   3613222.00        7.71052  (21040807)              491858.80
3613242.75        7.95945  (21040807)
        491868.67   3613263.49        8.23540  (21040807)              491878.54
3613284.24        8.48380  (21040807)
        491888.41   3613304.99        9.09333  (22011903)              491898.28
3613325.73        9.92852  (22011903)
        491908.15   3613346.48       10.74754  (22011903)              491918.02
3613367.23       11.52439  (22011903)
        491927.89   3613387.97       41.12513  (20120117)              491937.76
3613408.72       54.04223  (20120117)
        491947.63   3613429.46       50.20005  (20120117)              491957.50
3613450.21       14.06300  (22011903)
        491967.38   3613470.96       14.49951  (22011903)              491977.25
3613491.70       14.80635  (22011903)
        491987.12   3613512.45       14.98207  (22011903)              491996.99
3613533.20       15.03083  (22011903)
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492006.86 3613553.94 14.95240 (22011903) 492016.73
3613574.69 14.74967 (22011903)
492075.96 3613699.17 11.44754 (22011903) 492085.83
3613719.92 10.68707 (22011903)
492095.70 3613740.66 9.90206 (22011903) 492105.57
3613761.41 9.11500 (22011903)
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3613802.90 7.80857 (21010217)
492135.18 3613823.65 7.92149 (21043007) 492145.05
3613844.39 24.09923 (21041103)
489305.50 3611120.35 45.85923 (20022805) 489282.43
3611119.27 44.76027 (22021321)
489259.36 3611118.19 46.20031 (22021321) 489236.30
3611117.11 46.99080 (22021321)
489213.23 3611116.04 47.09927 (22021321) 489345.32
3610729.89 39.05063 (20022805)
489366.47 3610739.01 39.03401 (20022805) 489387.63
3610748.12 38.51787 (20022805)
489408.78 3610757.23 37.51828 (20022805) 489429.94
3610766.34 36.06815 (20022805)
489451.09 3610775.45 34.40665 (20111106) 489472.25
3610784.56 33.67912 (20111106)
489493.41 3610793.68 32.63609 (20111106) 489514.56
3610802.79 31.30654 (20111106)
489535.72 3610811.90 29.72579 (20111106) 489556.87
3610821.01 30.14872 (22011402)
↟ *** AERMOD - VERSION 24142 *** *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru *** 06/24/25
*** AERMET - VERSION 24142 *** ***
*** 09:06:31

PAGE 160
*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF VARIOUS IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M)
Y-COORD (M) CONC (YYMMDDHH)
- - - -

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3610857.46       31.51248  (20091924)
        489662.65   3610866.57       32.30680  (20091924)                489683.80
3610875.68       32.78373  (20091924)
        489704.96   3610884.79       34.73560  (21121020)                489726.11
3610893.90       36.69722  (21121020)
        489747.27   3610903.01       38.32080  (21121020)                489768.42
3610912.12       39.54458  (21121020)
        489789.58   3610921.24       40.32595  (21121020)                489810.73
3610930.35       40.63735  (21121020)
        489831.89   3610939.46       40.49989  (21121020)                489853.04
3610948.57       39.89726  (21121020)
        489874.20   3610957.68       38.77013  (21121020)                489895.35
3610966.79       37.21718  (21121020)
        489916.51   3610975.91       35.29068  (21121020)                489937.66
3610985.02       33.05488  (21121020)
        489958.82   3610994.13       34.53361  (20091802)                489979.98
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        490001.13   3611012.35       36.54886  (20091802)                490022.29
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3611039.69       37.24772  (22111120)
        490085.75   3611048.80       38.74262  (22111120)                490106.91
3611057.91       39.76649  (22111120)
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        490170.37   3611085.24       41.53060  (20021622)                490191.53
3611094.35       41.77382  (20021622)
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3611112.58       40.65791  (20021622)
        490254.99   3611121.69       39.33995  (20021622)                490276.15
3611130.80       37.85158  (21011221)
        490297.30   3611139.91       36.87882  (21011221)                490318.46
3611149.02       36.07446  (21102720)
        490339.61   3611158.14       37.77308  (21102720)                490360.77
3611167.25       39.02969  (21102720)
        490381.92   3611176.36       39.80156  (21102720)                490403.08
3611185.47       40.04349  (21102720)
        490424.23   3611194.58       39.74358  (21102720)                490445.39
3611203.69       38.92081  (21102720)
        490466.54   3611212.80       38.03316  (22031220)                490487.70
3611221.92       37.53605  (22031220)
        490508.86   3611231.03       38.72030  (22031720)                490530.01
3611240.14       39.71016  (22031720)
        490551.17   3611249.25       40.14190  (22031720)                490572.32
3611258.36       59.87671  (20022321)
        490593.48   3611267.47       39.51714  (22031720)                490614.63
3611276.59       38.46848  (22031720)
        490635.79   3611285.70       36.90796  (22031720)                490656.94
3611294.81       35.61281  (21101620)
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3611331.25       66.27668  (20021620)
        490762.72   3611340.37       70.85468  (20021620)               490783.87
3611349.48       78.77431  (22111720)
        490805.03   3611358.59       83.61691  (22111720)               490826.18
3611367.70       82.77784  (22111720)
        490847.34   3611376.81       88.78719  (20121321)               490868.49
3611385.92       96.61460  (20121321)
        490889.65   3611395.03      106.11968  (20121321)               490910.80
3611404.15      111.81834  (20121321)
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3611422.37      112.08170  (20121321)
        490974.27   3611431.48      109.26958  (20121321)               490995.43
3611440.59      103.91459  (20121321)
        491016.58   3611449.70       95.54082  (20121321)               491037.74
3611458.82       96.97568  (20100601)
        491058.89   3611467.93      101.88487  (20100601)               491080.05
3611477.04      105.39587  (20100601)
        491101.20   3611486.15      107.93119  (22040524)               491122.36
3611495.26      112.68165  (22040524)
        491143.51   3611504.37      115.69114  (22040524)               491164.67
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        491185.82   3611522.60      112.57969  (22040524)               491206.98
3611531.71      109.73234  (22040524)
        491228.13   3611540.82      103.18210  (22040524)               491249.29
3611549.93       95.02610  (22040524)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 161
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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3611586.38       62.23519  (20092922)
        491355.06   3611595.49       62.13444  (20111806)                491376.22
3611604.60       65.05250  (20111806)
        491397.37   3611613.71       68.49254  (21121218)                491418.53
3611622.82       75.78979  (21121218)
        491439.68   3611631.93       82.69909  (21121218)                491460.84
3611641.05       88.90906  (21121218)
        491481.99   3611650.16       94.23526  (21121218)                491503.15
3611659.27       98.38869  (21121218)
        491534.20   3611689.18      102.77910  (21121218)                491544.10
3611709.98      102.88602  (21121218)
        491553.99   3611730.78      101.20225  (21121218)                491563.89
3611751.58       98.04465  (21121218)
        491573.79   3611772.38       93.52093  (21121218)                491583.68
3611793.18       92.94588  (22123018)
        491593.58   3611813.98       94.01912  (22123018)                491603.47
3611834.78       93.26854  (22123018)
        491613.37   3611855.58       90.65478  (22123018)                491623.27
3611876.38       86.34495  (22123018)
        491633.16   3611897.18       80.67008  (22123018)                491643.06
3611917.98       73.97627  (22123018)
        491652.96   3611938.78       66.41015  (22123018)                491662.85
3611959.58       65.07375  (22080105)
        491672.75   3611980.38       68.96333  (22080105)                491682.64
3612001.18       73.40365  (20030801)
        491692.54   3612021.98       80.13657  (20030801)                491702.44
3612042.77       85.27869  (20030801)
        491712.33   3612063.57       89.27621  (20030801)                491722.23
3612084.37       91.57940  (20030801)
        491732.13   3612105.17       91.90608  (20030801)                491742.02
3612125.97       89.71832  (20030801)
        491751.92   3612146.77       86.19781  (20030801)                491761.81
3612167.57       81.22469  (20030801)
        491771.71   3612188.37       74.68024  (20030801)                491781.61
3612209.17       72.12718  (21100604)
        491791.50   3612229.97       71.46431  (21100604)                491801.40
3612250.77       69.94569  (21100604)
        491811.29   3612271.57       65.48579  (21100604)                491821.19
3612292.37       58.94665  (21100604)
        491831.09   3612313.17       51.70470  (21100604)                491840.98
3612333.97       47.48447  (20111506)
        491850.88   3612354.77       38.34464  (21100604)                491860.78
3612375.57       21.98091  (21100604)
        491870.67   3612396.37       23.97675  (20021119)                491880.57
3612417.17       30.87486  (20021119)
        491890.46   3612437.97       36.33297  (20021119)                491900.36
3612458.77       29.99670  (20021119)
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        491910.26   3612479.57        8.73445  (20112808)                491920.15
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        491989.43   3612645.97       10.69479  (20112808)                491999.32
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3612708.37       10.33117  (20112808)
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3612791.56        9.74839  (20112808)
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3612833.16        9.57708  (20112808)
        492088.39   3612853.96        9.25688  (20112808)                492098.28
3612874.76        8.54891  (20112808)
        492108.18   3612895.56        8.40757  (20112808)                492118.08
3612916.36        8.01829  (20112808)
        492127.97   3612937.16        7.34091  (20112808)                492137.87
3612957.96       27.16855  (20120117)
        492147.77   3612978.76       38.74385  (20050322)                492157.66
3612999.56       45.08053  (20050322)
        492167.56   3613020.36       46.84492  (20120117)                492177.45
3613041.16       42.45608  (20120117)
        492187.35   3613061.96        7.16452  (21040807)                492197.25
3613082.76        7.56841  (21040807)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 162
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
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        489660.80   3610458.17       25.93393  (22011402)               489682.00
3610467.30       26.29493  (20091924)
        489703.20   3610476.43       27.08626  (20091924)               489724.39
3610485.56       27.65838  (20091924)
        489745.59   3610494.69       27.99500  (20091924)               489766.79
3610503.82       29.42690  (21121020)
        489787.99   3610512.95       31.02153  (21121020)               489809.19
3610522.08       32.37747  (21121020)
        489830.38   3610531.21       33.45525  (21121020)               489851.58
3610540.34       34.21319  (21121020)
        489872.78   3610549.47       34.63222  (21121020)               489893.98
3610558.60       34.69427  (21121020)
        489915.18   3610567.73       34.39668  (21121020)               489936.37
3610576.86       33.74792  (21121020)
        489957.57   3610585.99       32.76475  (21121020)               489978.77
3610595.12       31.47533  (21121020)
        489999.97   3610604.25       29.92562  (21121020)               490021.17
3610613.38       28.17108  (21121020)
        490042.37   3610622.51       29.02454  (20091802)               490063.56
3610631.64       30.10704  (20091802)
        490084.76   3610640.77       30.91121  (20091802)               490105.96
3610649.90       31.41815  (20091802)
        490127.16   3610659.03       31.61165  (20091802)               490148.36
3610668.16       31.48587  (20091802)
        490169.55   3610677.29       31.91031  (22111120)               490190.75
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        490211.95   3610695.55       33.94844  (22111120)               490233.15
3610704.68       34.40467  (22111120)
        490254.35   3610713.81       34.48932  (20021622)               490275.54
3610722.94       35.24898  (20021622)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 163
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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490381.54	3610768.59	33.31598	(20021622)	490402.73	3610777.72	32.33868	(21011221)
490423.93	3610786.85	31.56798	(21011221)	490445.13	3610795.98	30.47614	(21011221)
490466.33	3610805.11	31.83093	(21102720)	490487.53	3610814.24	32.97335	(21102720)
490508.72	3610823.37	33.76562	(21102720)	490529.92	3610832.50	34.18106	(21102720)
490551.12	3610841.63	34.20801	(21102720)	490572.32	3610850.76	33.83907	(21102720)
490593.52	3610859.89	33.08913	(21102720)	490614.71	3610869.02	32.45125	(22031220)
490635.91	3610878.15	32.03693	(22031220)	490657.11	3610887.28	32.78308	(22031720)
490678.31	3610896.41	52.62793	(21052502)	490699.51	3610905.54	55.33281	(20022321)
490720.71	3610914.67	34.40343	(22031720)	490741.90	3610923.80	34.19649	(22031720)
490763.10	3610932.93	33.55146	(22031720)	490784.30	3610942.06	32.49377	(22031720)
490805.50	3610951.19	64.70006	(20022321)	490826.70	3610960.32	66.58908	(20022321)
490847.89	3610969.45	64.18533	(20022321)	490869.09	3610978.58	62.09484	(20022321)
490890.29	3610987.71	61.16515	(20030522)	490911.49	3610996.84	63.12454	(22111720)
490932.69	3611005.97	68.92724	(22111720)	490953.88	3611015.10	72.66580	(22111720)
490975.08	3611024.23	71.28819	(22111720)	490996.28	3611033.36	70.25178	(22111720)
491017.48	3611042.49	67.15471	(22111720)	491038.68	3611051.62	70.92737	(20121321)
491059.88	3611060.75	72.77830	(20121321)	491081.07	3611069.88	74.55633	(20121321)
491102.27	3611079.01	77.41588	(20121321)	491123.47	3611088.14	79.80134	(20121321)
491144.67	3611097.27	80.51491	(20121321)	491165.87	3611106.40	80.85421	(20121321)
491187.06	3611115.53	80.78098	(20121321)	491208.26	3611124.66	78.06488	(20121321)
491229.46	3611133.79	73.84578	(20121321)	491250.66	3611142.92	69.59510	(20100601)

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        491271.86   3611152.05       75.97053  (20100601)                491293.05
3611161.18       80.57722  (20100601)
        491314.25   3611170.31       86.04495  (22040524)                491335.45
3611179.44       92.59877  (22040524)
        491356.65   3611188.57       97.29502  (22040524)                491377.85
3611197.70      100.45762  (22040524)
        491399.05   3611206.83      100.11408  (22040524)                491420.24
3611215.96       98.19092  (22040524)
        491441.44   3611225.09       95.07860  (22040524)                491462.64
3611234.22       91.08109  (22040524)
        491483.84   3611243.35       83.96554  (22040524)                491505.04
3611252.48       75.62047  (22040524)
        491526.23   3611261.61       66.61352  (22040524)                491547.43
3611270.74       60.96513  (20092922)
        491568.63   3611279.87       57.27442  (20092922)                491589.83
3611289.00       55.88330  (20111806)
        491611.03   3611298.13       58.30811  (20111806)                491632.22
3611307.26       60.03310  (20111806)
        491653.42   3611316.39       60.60632  (20111806)                491674.62
3611325.52       65.17296  (21121218)
        491695.82   3611334.65       71.04000  (21121218)                491717.02
3611343.78       76.57393  (21121218)
        491738.22   3611352.91       81.34949  (21121218)                491759.41
3611362.04       85.30989  (21121218)
        491780.61   3611371.17       88.37370  (21121218)                491811.73
3611401.14       90.99917  (21121218)
        491821.64   3611421.98       90.45831  (21121218)                491831.56
3611442.82       88.57105  (21121218)
        491841.47   3611463.67       85.47869  (21121218)                491851.39
3611484.51       81.02818  (21121218)
        491861.31   3611505.35       80.99697  (22123018)                491871.22
3611526.19       82.01099  (22123018)
        491881.14   3611547.03       80.87856  (22123018)                491891.06
3611567.87       79.30650  (22123018)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE 164
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF VARIOUS  IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
491900.97	3611588.72	76.68100	(22123018)	491910.89	3611609.56	72.87906	(22123018)
491920.80	3611630.40	68.27234	(22123018)	491930.72	3611651.24	62.62806	(22123018)
491940.64	3611672.08	56.16651	(22123018)	491950.55	3611692.93	56.75860	(22080105)
491960.47	3611713.77	60.21807	(22080105)	491970.39	3611734.61	62.73398	(22080105)
491980.30	3611755.45	65.50783	(20030801)	491990.22	3611776.29	70.78054	(20030801)
492000.13	3611797.14	75.26906	(20030801)	492010.05	3611817.98	78.03052	(20030801)
492019.97	3611838.82	78.70985	(20030801)	492029.88	3611859.66	77.70241	(20030801)
492039.80	3611880.50	74.94571	(20030801)	492049.72	3611901.35	71.21389	(20030801)
492059.63	3611922.19	66.41269	(20030801)	492069.55	3611943.03	63.15801	(21100604)
492079.46	3611963.87	63.68989	(21100604)	492089.38	3611984.71	63.07193	(21100604)
492099.30	3612005.55	61.84118	(21100604)	492109.21	3612026.40	59.29745	(21100604)
492119.13	3612047.24	55.75888	(21100604)	492129.05	3612068.08	50.98152	(21100604)
492138.96	3612088.92	45.48197	(21100604)	492148.88	3612109.76	48.00728	(20111506)
492158.80	3612130.61	51.32687	(20111506)	492168.71	3612151.45	53.78210	(20111506)
492178.63	3612172.29	55.30714	(20111506)	492188.54	3612193.13	55.72036	(20111506)
492198.46	3612213.97	55.14283	(20111506)	492208.38	3612234.82	54.69193	(20111506)
492218.29	3612255.66	58.62463	(21041001)	492228.21	3612276.50	63.94311	(21041001)
492238.13	3612297.34	67.64405	(21041001)	492248.04	3612318.18	69.23426	(21041001)
492257.96	3612339.02	66.12090	(21041001)	492267.87	3612359.87	65.07219	(20021119)
492277.79	3612380.71	63.66597	(20021119)	492287.71	3612401.55	64.95203	(20021119)
492297.62	3612422.39	67.18410	(20021119)	492307.54	3612443.23	69.76944	(20021119)
492317.46	3612464.08	73.98735	(20021119)	492327.37	3612484.92	67.82862	(20021119)

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3612568.29       53.08814  (20060123)
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3612609.97       60.09417  (20060123)
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        492416.62   3612672.50       65.10069  (20060123)                492426.53
3612693.34       64.10091  (20060123)
        492436.45   3612714.18       59.44705  (20060123)                492446.37
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        492456.28   3612755.86       48.60075  (20060123)                492466.20
3612776.70       43.34729  (20060123)
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3612818.39       41.04039  (20050322)
        492495.95   3612839.23       42.87755  (20050322)                492505.86
3612860.07       44.18477  (20050322)
        492515.78   3612880.91       26.37318  (20120117)                492525.70
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3612943.44        6.77069  (21040807)
        492555.45   3612964.28        7.06985  (21040807)                492565.36
3612985.12        7.31667  (21040807)
        492575.28   3613005.97        7.56193  (21040807)                492585.19
3613026.81        7.78814  (21040807)
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3613068.49        8.15432  (21040807)
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3613110.18        8.41501  (21040807)
        492634.78   3613131.02        8.46762  (21040807)                492644.69
3613151.86        8.50182  (21040807)
        492654.61   3613172.70        8.65640  (22011903)                492664.52
3613193.54        9.08720  (22011903)
        492674.44   3613214.38        9.47963  (22011903)                492684.36
3613235.23        9.82887  (22011903)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                  PAGE 165
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF VARIOUS IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
492694.27	3613256.07	10.12611	(22011903)	492704.19	3613276.91	21.28235	(22011903)
492714.11	3613297.75	29.34435	(22011903)	492724.02	3613318.59	43.70711	(22022619)
492733.94	3613339.44	51.12047	(22022619)	492743.85	3613360.28	50.79419	(22022619)
492753.77	3613381.12	43.71929	(22022619)	492763.69	3613401.96	31.62963	(22011903)
492773.60	3613422.80	30.00993	(22011903)	492783.52	3613443.65	27.70149	(22011903)
492833.10	3613547.86	37.40845	(21041103)	492843.02	3613568.70	47.24688	(21041103)
492852.93	3613589.54	54.24996	(21041103)	492862.85	3613610.38	57.05698	(21041103)
492872.77	3613631.22	57.52691	(21041103)	492882.68	3613652.06	50.71636	(21041103)
492892.60	3613672.91	39.79422	(21041103)	492902.52	3613693.75	52.68919	(21041103)
492912.43	3613714.59	52.19581	(21041103)	492922.35	3613735.43	43.18438	(21041103)
492932.26	3613756.27	42.60203	(21041103)	492942.18	3613777.12	41.48833	(21041103)
489342.83	3610321.22	33.06570	(20022805)	489319.76	3610320.14	32.36436	(20022805)
489296.69	3610319.06	32.63815	(22021321)	489273.62	3610317.99	33.40470	(22021321)
489250.56	3610316.91	33.82059	(22021321)	489048.41	3614109.99	2811.45571	(21012721)
489045.82	3614133.11	3415.58204	(22122205)	489043.23	3614156.23	3047.05521	(22102801)
489040.64	3614179.35	3586.48646	(21121221)	489038.06	3614202.47	4192.37557	(22011606)
489035.47	3614225.60	3709.93395	(22010220)	489032.88	3614248.72	3925.17991	(22010220)
489030.29	3614271.84	2761.42779	(20070524)	489027.71	3614294.96	2644.89064	(20050622)
489032.18	3614090.97	2359.00029	(21012721)	489020.97	3614130.33	2734.99033	(22122205)
489018.39	3614153.45	2431.98058	(22102801)	489015.80	3614176.57	3209.69978	(21121221)
489013.21	3614199.69	3343.95883	(22011606)	489010.62	3614222.82	2934.87443	(22010220)

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        489008.04   3614245.94     3355.53594  (22010220)               489005.45
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        489002.86   3614292.18     2154.45290  (20070524)               489007.33
3614088.19     2087.82626  (22122205)
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3614173.79     2655.45542  (21121221)
        488988.37   3614196.91     2662.36890  (22011606)               488985.78
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        488983.19   3614243.16     2870.52945  (22010220)               488980.60
3614266.28     1975.93980  (20052402)
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3614085.41     2051.00771  (22122205)
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        488971.28   3614124.77     1671.13329  (22120821)               488968.70
3614147.89     2074.23043  (21121221)
        488966.11   3614171.01     2154.90505  (22011606)               488963.52
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3614240.38     2470.93999  (22010220)
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3614188.57     1429.43273  (22011606)
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3614234.82     1879.72078  (22010220)
        488906.07   3614257.94     1388.32669  (22010220)               488903.48
3614281.06     1140.34265  (20052402)
        488884.34   3614071.97     1013.03917  (22120821)               488904.04
3614034.85     1229.23461  (22122205)
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 166
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
488923.74	3613997.74	1012.68014	(22122205)	488963.32	3613953.82	1148.25895	(20012705)
489003.07	3613940.21	1033.59339	(20011821)	489042.83	3613926.60	1231.87138	(21020502)
488871.90	3614113.65	1309.64597	(21121221)	488869.32	3614136.77	1252.93299	(22011606)
488866.73	3614159.89	1347.18440	(22011606)	488864.14	3614183.01	1058.64553	(22091601)
488861.55	3614206.13	1132.85561	(22010220)	488858.97	3614229.25	1475.20678	(22010220)
488856.38	3614252.38	1248.08994	(22010220)	488853.79	3614275.50	1011.01725	(20052402)
488835.57	3614064.67	797.56856	(20012124)	488846.35	3614044.37	808.70800	(22102801)
488857.12	3614024.07	854.59724	(22102801)	488867.89	3614003.77	1037.20374	(22122205)
488878.67	3613983.48	1069.85051	(22122205)	488889.44	3613963.18	832.41102	(22122205)
488900.21	3613942.88	878.25589	(21012721)	488932.73	3613915.14	961.01727	(20121122)
488954.47	3613907.70	978.40964	(22021604)	488976.21	3613900.26	842.96267	(20011821)
488997.95	3613892.81	870.60764	(20011821)	489019.69	3613885.37	963.47755	(21020502)
489041.43	3613877.93	1095.48937	(21020502)	489063.17	3613870.48	1063.23543	(22021320)
488824.80	3614084.97	932.29358	(21121221)	488822.21	3614108.09	964.42794	(21121221)
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488814.45	3614177.45	788.87830	(22091601)	488811.86	3614200.57	827.98345	(22010220)
488809.28	3614223.69	1086.39874	(22010220)	488806.69	3614246.81	1004.61737	(22010220)
488804.10	3614269.94	783.15049	(20052402)	488785.45	3614059.92	765.78422	(21121221)
488806.14	3614020.95	667.19427	(22102801)	488826.82	3613981.98	748.71341	(22122205)
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3614028.31      624.83736  (21121221)
        488707.55   3614008.33      540.62787  (20012124)               488718.16
3613988.34      505.67397  (22120821)
        488728.77   3613968.36      523.25674  (22102801)               488739.38
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3613888.41      656.18418  (22122205)
        488781.81   3613868.43      553.91175  (22122205)               488792.41
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3613771.83      577.41101  (20011821)
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3613757.17      591.96921  (21020502)
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        488673.14   3614091.40      648.06298  (22011606)               488670.56
3614114.53      601.06692  (22011606)
        488667.97   3614137.65      505.96199  (22091601)               488665.38
3614160.77      490.45016  (22113020)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 167
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
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INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
488662.79	3614183.89	502.88226	(22010220)	488660.21	3614207.01	659.67467	(22010220)
488657.62	3614230.13	698.22754	(22010220)	488655.03	3614253.25	597.59273	(22010220)
488587.13	3614036.86	463.58819	(22011606)	488597.90	3614016.57	505.63793	(21121221)
488608.67	3613996.27	514.49022	(21121221)	488619.44	3613975.97	452.98262	(21121221)
488630.22	3613955.67	424.91921	(20012124)	488640.99	3613935.38	414.03845	(22120821)
488651.76	3613915.08	426.01436	(22102801)	488662.54	3613894.78	434.79813	(22102801)
488673.31	3613874.48	406.23612	(22122205)	488684.08	3613854.18	504.26875	(22122205)
488694.86	3613833.89	538.18426	(22122205)	488705.63	3613813.59	495.92674	(22122205)
488716.40	3613793.29	396.88161	(22122205)	488727.18	3613772.99	377.96701	(22021602)
488737.95	3613752.70	427.78036	(21012721)	488770.47	3613724.95	502.90607	(21012721)
488792.21	3613717.51	476.56486	(20121122)	488813.95	3613710.07	490.62319	(22021604)
488835.69	3613702.63	475.47539	(22021604)	488857.43	3613695.18	399.23070	(20011821)
488879.17	3613687.74	438.23723	(20011821)	488900.91	3613680.30	437.20474	(21121123)
488922.65	3613672.86	436.65062	(21020502)	488944.39	3613665.41	539.48794	(21020502)
488966.13	3613657.97	574.98067	(21020502)	488987.88	3613650.53	534.47719	(22021320)
489009.62	3613643.09	556.42598	(22021320)	489031.36	3613635.64	502.91010	(22021320)
489053.10	3613628.20	449.83178	(21022003)	489074.84	3613620.76	484.03005	(21022003)
488576.35	3614057.16	509.24622	(22011606)	488573.76	3614080.28	494.40348	(22011606)
488571.18	3614103.40	414.92527	(22011606)	488568.59	3614126.53	394.38740	(22091601)

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        488566.00   3614149.65      390.96351  (22113020)                488563.41
3614172.77      385.61305  (22113020)
        488560.83   3614195.89      502.40715  (22010220)                488558.24
3614219.01      554.51823  (22010220)
        488555.65   3614242.13      518.44634  (22010220)                488487.86
3614025.53      419.51984  (22011606)
        488498.75   3614005.02      379.40844  (22011606)                488509.63
3613984.51      413.19668  (21121221)
        488520.52   3613963.99      430.02428  (21121221)                488531.41
3613943.48      396.55271  (21121221)
        488542.29   3613922.97      359.23695  (20012124)                488553.18
3613902.46      334.82698  (20012124)
        488564.07   3613881.95      344.57766  (22120821)                488574.95
3613861.44      355.94175  (22102801)
        488585.84   3613840.93      358.94452  (22102801)                488596.73
3613820.41      322.73013  (22102801)
        488607.61   3613799.90      399.41238  (22122205)                488618.50
3613779.39      442.97841  (22122205)
        488629.39   3613758.88      433.85660  (22122205)                488640.27
3613738.37      376.69969  (22122205)
        488651.16   3613717.86      291.36560  (22122205)                488662.05
3613697.35      317.37936  (22021602)
        488672.93   3613676.83      351.34936  (21012721)                488705.79
3613648.80      418.89141  (21012721)
        488727.76   3613641.28      405.23199  (20121122)                488749.73
3613633.76      404.23138  (20012705)
        488771.70   3613626.24      409.20784  (22021604)                488793.67
3613618.72      376.00840  (22021604)
        488815.64   3613611.20      338.57784  (20011821)                488837.61
3613603.68      362.86862  (20011821)
        488859.58   3613596.15      354.90768  (21121123)                488881.55
3613588.63      320.82527  (21121123)
        488903.52   3613581.11      413.04942  (21020502)                488925.49
3613573.59      469.54369  (21020502)
        488947.46   3613566.07      463.77015  (21020502)                488969.43
3613558.55      453.14268  (22021320)
        488991.40   3613551.03      454.11705  (22021320)                489013.37
3613543.51      404.08673  (22021320)
        489035.34   3613535.99      366.09501  (21022003)                489057.31
3613528.47      397.32535  (21022003)
        489079.28   3613520.94      399.04123  (20022322)                488476.97
3614046.04      412.50572  (22011606)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
488474.38	3614069.16	366.61432	(22011606)	488471.80	3614092.28	324.54154	(22091601)
488469.21	3614115.40	313.64564	(22091601)	488466.62	3614138.53	320.66899	(22113020)
488464.03	3614161.65	313.15699	(22113020)	488461.45	3614184.77	395.90995	(22010220)
488458.86	3614207.89	448.10906	(22010220)	488456.27	3614231.01	443.39971	(22010220)
488388.08	3614015.15	353.56283	(22011606)	488409.07	3613975.61	323.27018	(22011606)
488430.05	3613936.08	363.69367	(21121221)	488451.04	3613896.54	316.15335	(21121221)
488472.02	3613857.00	281.25545	(20012124)	488493.01	3613817.47	292.97011	(22102801)
488513.99	3613777.93	293.71017	(22102801)	488534.98	3613738.39	341.89023	(22122205)
488555.96	3613698.86	371.87789	(22122205)	488576.95	3613659.32	277.17247	(22122205)
488597.93	3613619.79	274.38264	(22021602)	488640.09	3613573.00	354.64445	(21012721)
488682.44	3613558.50	332.15661	(20012705)	488724.78	3613544.01	344.72086	(22021604)
488767.13	3613529.51	281.70479	(20011821)	488809.48	3613515.01	304.85488	(20011821)
488851.83	3613500.51	285.91803	(21020502)	488894.17	3613486.02	382.68139	(21020502)
488936.52	3613471.52	371.94970	(22021320)	488978.87	3613457.02	369.03682	(22021320)
489021.22	3613442.53	311.06381	(21022003)	489063.56	3613428.03	337.15942	(20022322)
488375.01	3614058.04	270.55065	(22011606)	488372.42	3614081.16	271.21750	(22091601)
488369.83	3614104.28	254.19240	(22113020)	488367.24	3614127.40	268.96414	(22113020)
488364.66	3614150.53	260.97596	(22113020)	488362.07	3614173.65	320.32211	(22010220)

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        488359.48   3614196.77      368.31523  (22010220)                488356.89
3614219.89      378.68364  (22010220)
        488288.82   3614003.81      287.41093  (22011606)                488299.43
3613983.83      306.84196  (22011606)
        488310.04   3613963.84      302.72529  (22011606)                488320.64
3613943.86      275.57209  (22011606)
        488331.25   3613923.87      287.61870  (21121221)                488352.47
3613883.90      310.83850  (21121221)
        488363.07   3613863.91      285.47080  (21121221)                488373.68
3613843.93      261.48311  (20012124)
        488384.29   3613823.94      254.82224  (20012124)                488394.90
3613803.96      243.87913  (22120821)
        488405.50   3613783.97      251.29105  (22120821)                488416.11
3613763.99      255.13907  (22102801)
        488426.72   3613744.00      264.17628  (22102801)                488437.33
3613724.01      252.77947  (22102801)
        488447.93   3613704.03      231.18884  (22122205)                488458.54
3613684.04      282.37785  (22122205)
        488469.15   3613664.06      316.20755  (22122205)                488479.76
3613644.07      325.04395  (22122205)
        488490.36   3613624.09      307.26941  (22122205)                488500.97
3613604.10      267.69785  (22122205)
        488511.58   3613584.12      215.55233  (22122205)                488532.79
3613544.15      237.84989  (22021602)
        488543.40   3613524.16      253.99027  (21012721)                488575.42
3613496.85      304.69885  (21012721)
        488596.82   3613489.52      302.76976  (21012721)                488618.23
3613482.19      291.96914  (20121122)
        488639.64   3613474.86      295.51705  (20012705)                488661.04
3613467.53      299.66029  (22021604)
        488682.45   3613460.21      290.29484  (22021604)                488703.85
3613452.88      257.26551  (22021604)
        488725.26   3613445.55      247.11211  (20011821)                488746.67
3613438.22      264.41987  (20011821)
        488768.07   3613430.89      262.99132  (20011821)                488789.48
3613423.56      253.10179  (21121123)
        488810.89   3613416.24      229.78177  (21020502)                488832.29
3613408.91      282.74856  (21020502)
        488853.70   3613401.58      319.79512  (21020502)                488875.11
3613394.25      332.02421  (21020502)
        488896.51   3613386.92      316.34898  (21020502)                488917.92
3613379.60      317.03718  (22021320)
        488939.33   3613372.27      332.20207  (22021320)                488960.73
3613364.94      310.85532  (22021320)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
488982.14	3613357.61	268.19278	(22021320)	489003.55	3613350.28	264.57778	(21022003)
489024.95	3613342.95	285.46244	(21022003)	489046.36	3613335.63	288.66504	(20022322)
489067.76	3613328.30	283.69683	(20022322)	489089.17	3613320.97	260.04480	(20022322)
488278.21	3614023.80	249.12985	(22011606)	488275.63	3614046.92	230.93144	(22091601)
488273.04	3614070.04	228.12579	(22091601)	488270.45	3614093.16	220.74844	(22113020)
488267.86	3614116.28	229.62509	(22113020)	488265.28	3614139.40	221.89350	(22113020)
488262.69	3614162.52	264.58842	(22010220)	488260.10	3614185.65	307.30750	(22010220)
488257.51	3614208.77	324.58096	(22010220)	488090.23	3613981.26	181.87697	(22011606)
488101.00	3613960.96	211.17642	(22011606)	488111.77	3613940.66	230.84090	(22011606)
488122.55	3613920.36	237.19983	(22011606)	488133.32	3613900.07	228.84659	(22011606)
488144.09	3613879.77	207.27880	(22011606)	488154.87	3613859.47	216.33543	(21121221)
488165.64	3613839.17	236.67764	(21121221)	488176.41	3613818.87	242.52334	(21121221)
488187.19	3613798.58	232.79374	(21121221)	488197.96	3613778.28	209.26211	(21121221)
488208.73	3613757.98	201.90525	(20012124)	488219.51	3613737.68	196.84568	(20012124)
488230.28	3613717.39	183.84651	(22120821)	488241.05	3613697.09	193.34010	(22120821)
488251.83	3613676.79	191.51124	(22120821)	488262.60	3613656.49	199.90405	(22102801)
488273.37	3613636.19	203.40599	(22102801)	488284.15	3613615.90	194.47958	(22102801)

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        488294.92   3613595.60      177.69984  (20012706)               488305.69
3613575.30      199.85640  (22122205)
        488316.47   3613555.00      230.44127  (22122205)               488327.24
3613534.71      248.28440  (22122205)
        488338.01   3613514.41      250.11553  (22122205)               488348.79
3613494.11      235.81061  (22122205)
        488359.56   3613473.81      208.39430  (22122205)               488370.33
3613453.51      172.98370  (22122205)
        488381.11   3613433.22      156.24377  (20031422)               488391.88
3613412.92      166.71826  (22021602)
        488402.65   3613392.62      185.45660  (22021602)               488413.43
3613372.32      195.87950  (22021602)
        488445.94   3613344.58      232.97226  (21012721)               488467.68
3613337.14      237.18781  (21012721)
        488489.42   3613329.70      231.79736  (20121122)               488511.16
3613322.25      220.30225  (20121122)
        488532.90   3613314.81      229.36980  (20012705)               488554.64
3613307.37      231.78146  (22021604)
        488576.39   3613299.93      227.53696  (22021604)               488598.13
3613292.48      208.21344  (22021604)
        488619.87   3613285.04      179.48679  (20120222)               488641.61
3613277.60      196.01530  (20011821)
        488663.35   3613270.16      207.69295  (20011821)               488685.09
3613262.71      207.45324  (20011821)
        488706.83   3613255.27      201.96462  (21121123)               488728.57
3613247.83      184.89471  (21121123)
        488750.31   3613240.38      199.25058  (21020502)               488772.05
3613232.94      234.30784  (21020502)
        488793.80   3613225.50      257.60216  (21020502)               488815.54
3613218.06      264.59409  (21020502)
        488837.28   3613210.61      253.86453  (21020502)               488859.02
3613203.17      245.84635  (22021320)
        488880.76   3613195.73      256.58938  (22021320)               488902.50
3613188.29      250.92069  (22021320)
        488924.24   3613180.84      230.04230  (22021320)               488945.98
3613173.40      197.92390  (22021320)
        488967.72   3613165.96      198.61475  (21022003)               488989.46
3613158.52      216.18912  (21022003)
        489011.21   3613151.07      221.93998  (21022003)               489032.95
3613143.63      222.41090  (20022322)
        489054.69   3613136.19      213.72280  (20022322)               489076.43
3613128.74      194.21308  (20022322)
        489098.17   3613121.30      167.14280  (20022322)               488079.45
3614001.55      175.03587  (22091601)
        488076.87   3614024.68      174.95600  (22091601)               488074.28
3614047.80      165.35994  (22091601)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
488071.69	3614070.92	171.25852	(22113020)	488069.10	3614094.04	174.06332	(22113020)
488066.52	3614117.16	167.30019	(22113020)	488063.93	3614140.28	188.90299	(22010220)
488061.34	3614163.40	221.78483	(22010220)	488058.75	3614186.52	242.32742	(22010220)
487891.58	3613958.80	140.32639	(22091601)	487902.47	3613938.29	139.68697	(22011606)
487913.35	3613917.78	162.41452	(22011606)	487924.24	3613897.27	179.83674	(22011606)
487935.13	3613876.75	189.39919	(22011606)	487946.01	3613856.24	189.53735	(22011606)
487956.90	3613835.73	180.10892	(22011606)	487967.79	3613815.22	162.43723	(22011606)
487978.67	3613794.71	170.04759	(21121221)	487989.56	3613774.20	186.62197	(21121221)
488000.45	3613753.69	194.29175	(21121221)	488011.33	3613733.17	191.77806	(21121221)
488022.22	3613712.66	179.42807	(21121221)	488033.11	3613692.15	159.12125	(21121221)
488043.99	3613671.64	162.04819	(20012124)	488054.88	3613651.13	157.93978	(20012124)
488065.77	3613630.62	145.92465	(20012124)	488076.65	3613610.11	153.42132	(22120821)
488087.54	3613589.59	155.47282	(22120821)	488098.43	3613569.08	152.98238	(22102801)
488109.31	3613548.57	161.86812	(22102801)	488120.20	3613528.06	162.79626	(22102801)
488131.09	3613507.55	155.65677	(22102801)	488141.97	3613487.04	142.32759	(20012706)
488152.86	3613466.53	147.54988	(22122205)	488163.75	3613446.01	173.01188	(22122205)

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        488174.63   3613425.50      191.80263  (22122205)                488185.52
3613404.99      201.18255  (22122205)
        488196.41   3613384.48      199.79581  (22122205)                488207.30
3613363.97      188.03749  (22122205)
        488218.18   3613343.46      167.90143  (22122205)                488229.07
3613322.94      142.40773  (22122205)
        488239.96   3613302.43      119.16432  (20031422)                488250.84
3613281.92      128.45176  (20031422)
        488261.73   3613261.41      137.05265  (22021602)                488272.62
3613240.90      149.88195  (22021602)
        488283.50   3613220.39      157.13673  (22021602)                488316.36
3613192.36      184.73129  (21012721)
        488338.33   3613184.83      190.96344  (21012721)                488360.30
3613177.31      188.07885  (21012721)
        488382.27   3613169.79      184.32739  (20121122)                488404.24
3613162.27      177.70258  (20012705)
        488426.21   3613154.75      184.86493  (20012705)                488448.18
3613147.23      186.38422  (22021604)
        488470.15   3613139.71      184.59972  (22021604)                488492.12
3613132.19      172.66036  (22021604)
        488514.09   3613124.67      152.37829  (22021604)                488536.06
3613117.14      149.18272  (20011821)
        488558.03   3613109.62      163.62432  (20011821)                488580.00
3613102.10      169.57559  (20011821)
        488601.97   3613094.58      167.53314  (20011821)                488623.94
3613087.06      163.41293  (21121123)
        488645.91   3613079.54      152.19634  (21121123)                488667.88
3613072.02      140.53663  (20012704)
        488689.85   3613064.50      169.04223  (21020502)                488711.82
3613056.98      192.68382  (21020502)
        488733.79   3613049.46      207.77631  (21020502)                488755.75
3613041.93      211.76270  (21020502)
        488777.72   3613034.41      204.11379  (21020502)                488799.69
3613026.89      191.07454  (22021320)
        488821.66   3613019.37      203.26606  (22021320)                488843.63
3613011.85      204.90124  (22021320)
        488865.60   3613004.33      195.83670  (22021320)                488887.57
3612996.81      177.57974  (22021320)
        488909.54   3612989.29      152.90993  (22021320)                488931.51
3612981.77      155.30817  (21022003)
        488953.48   3612974.25      169.84635  (21022003)                488975.45
3612966.72      177.06842  (21022003)
        488997.42   3612959.20      177.81733  (20022322)                489019.39
3612951.68      176.59809  (20022322)
        489041.36   3612944.16      167.39361  (20022322)                489063.33
3612936.64      151.71039  (20022322)
        489085.30   3612929.12      131.54508  (20022322)                489107.27
3612921.60      130.02733  (21021103)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        487880.69   3613979.31   139.86039 (22091601)   487878.11
3614002.43   134.69217 (22091601)
        487875.52   3614025.55   131.41626 (22113020)   487872.93
3614048.67   137.66773 (22113020)
        487870.34   3614071.80   137.97158 (22113020)   487867.76
3614094.92   132.27617 (22113020)
        487865.17   3614118.04   142.00011 (22010220)   487862.58
3614141.16   167.39597 (22010220)
        487859.99   3614164.28   186.41756 (22010220)   487692.66
3613936.86   115.79282 (22091601)
        487703.39   3613916.65   115.75050 (22091601)   487714.11
3613896.45   111.90866 (22091601)
        487724.84   3613876.24   127.29593 (22011606)   487735.56
3613856.03   142.26800 (22011606)
        487746.29   3613835.82   152.80965 (22011606)   487757.01
3613815.61   157.53935 (22011606)
        487767.74   3613795.41   155.88254 (22011606)   487778.46
3613775.20   147.96642 (22011606)
        487789.19   3613754.99   134.69644 (22011606)   487799.91
3613734.78   136.24761 (22030623)
        487810.64   3613714.58   148.67111 (21121221)   487821.37
3613694.37   158.04530 (21121221)
        487832.09   3613674.16   161.02369 (21121221)   487842.82
3613653.95   157.19102 (21121221)
        487853.54   3613633.75   147.00998 (21121221)   487864.27
3613613.54   131.71526 (21121221)
        487874.99   3613593.33   133.79064 (20012124)   487885.72
3613573.12   132.78822 (20012124)
        487896.44   3613552.92   126.27308 (20012124)   487907.17
3613532.71   121.76937 (22120821)

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        487917.89   3613512.50      127.62172  (22120821)              487928.62
3613492.29      128.61713  (22120821)
        487939.34   3613472.09      124.65476  (22120821)              487950.07
3613451.88      132.40882  (22102801)
        487960.80   3613431.67      135.14487  (22102801)              487971.52
3613411.46      132.41947  (22102801)
        487982.25   3613391.26      124.60508  (22102801)              487992.97
3613371.05      117.92475  (20012706)
        488003.70   3613350.84      119.44198  (22122205)              488014.42
3613330.63      138.80087  (22122205)
        488025.15   3613310.43      154.24194  (22122205)              488035.87
3613290.22      163.94701  (22122205)
        488046.60   3613270.01      166.76249  (22122205)              488057.32
3613249.80      162.41553  (22122205)
        488068.05   3613229.60      151.56685  (22122205)              488078.78
3613209.39      135.62734  (22122205)
        488089.50   3613189.18      116.49143  (22122205)              488100.23
3613168.97       96.14164  (22122205)
        488110.95   3613148.77      102.64546  (20031422)              488121.68
3613128.56      108.07192  (20031422)
        488132.40   3613108.35      116.05671  (22021602)              488143.13
3613088.14      124.90240  (22021602)
        488153.85   3613067.93      129.96076  (22021602)              488186.22
3613040.32      150.25322  (21012721)
        488207.87   3613032.91      156.93940  (21012721)              488229.51
3613025.50      157.73560  (21012721)
        488251.16   3613018.09      154.86845  (20121122)              488272.80
3613010.68      150.71661  (20121122)
        488294.44   3613003.27      147.25789  (20012705)              488316.09
3612995.86      152.83080  (20012705)
        488337.73   3612988.45      153.54121  (22021604)              488359.38
3612981.04      154.37306  (22021604)
        488381.02   3612973.63      148.28788  (22021604)              488402.67
3612966.22      136.00166  (22021604)
        488424.31   3612958.81      120.99452  (20120222)              488445.95
3612951.40      121.72308  (20011821)
        488467.60   3612943.99      131.38174  (20011821)              488489.24
3612936.58      136.55648  (20011821)
        488510.89   3612929.17      136.60585  (20011821)              488532.53
3612921.76      134.97767  (21121123)
        488554.18   3612914.35      129.93036  (21121123)              488575.82
3612906.94      119.55377  (21121123)
        488597.47   3612899.54      115.92971  (20012704)              488619.11
3612892.13      135.91562  (21020502)
        488640.75   3612884.72      154.43483  (21020502)              488662.40
3612877.31      167.90925  (21020502)
        488684.04   3612869.90      174.60900  (21020502)              488705.69
3612862.49      173.58407  (21020502)
        488727.33   3612855.08      165.04957  (21020502)              488748.98
3612847.67      158.65144  (22021320)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
488770.62	3612840.26	167.60520	(22021320)	488792.26	3612832.85	169.64233	(22021320)
488813.91	3612825.44	164.53908	(22021320)	488835.55	3612818.03	152.96989	(22021320)
488857.20	3612810.62	136.37105	(22021320)	488878.84	3612803.21	116.66722	(22021320)
488900.49	3612795.80	128.41160	(21022003)	488922.13	3612788.39	139.19618	(21022003)
488943.77	3612780.98	145.27934	(21022003)	488965.42	3612773.57	145.98460	(21022003)
488987.06	3612766.16	146.97351	(20022322)	489008.71	3612758.75	142.99674	(20022322)
489030.35	3612751.34	134.06469	(20022322)	489052.00	3612743.93	121.20728	(20022322)
489073.64	3612736.52	105.78359	(20022322)	489095.29	3612729.11	104.11990	(21021103)
489116.93	3612721.70	114.18162	(21021103)	487681.94	3613957.07	112.09308	(22091601)
487679.35	3613980.19	105.40301	(22091601)	487676.76	3614003.31	110.10308	(22113020)
487674.17	3614026.43	113.38597	(22113020)	487671.59	3614049.55	112.59933	(22113020)
487669.00	3614072.67	107.82218	(22113020)	487666.41	3614095.80	110.39419	(22010220)
487663.82	3614118.92	130.24616	(22010220)	487661.24	3614142.04	146.68204	(22010220)
487493.99	3613914.45	95.66223	(22091601)	487504.81	3613894.07	98.03919	(22091601)

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        487515.62   3613873.69       97.67165  (22091601)              487526.44
3613853.32       94.55416  (22091601)
        487537.25   3613832.94      103.40380  (22011606)              487548.07
3613812.56      115.96053  (22011606)
        487558.88   3613792.18      125.70546  (22011606)              487569.70
3613771.81      131.64504  (22011606)
        487580.52   3613751.43      133.12007  (22011606)              487591.33
3613731.05      129.92165  (22011606)
        487602.15   3613710.67      122.34549  (22011606)              487612.96
3613690.30      111.14877  (22011606)
        487623.78   3613669.92      114.81933  (22030623)              487634.59
3613649.54      123.35918  (21121221)
        487645.41   3613629.16      131.79160  (21121221)              487656.22
3613608.79      135.76815  (21121221)
        487667.04   3613588.41      134.83405  (21121221)              487677.86
3613568.03      129.06542  (21121221)
        487688.67   3613547.65      119.07419  (21121221)              487699.49
3613527.28      110.23952  (20012124)
        487710.30   3613506.90      113.21417  (20012124)              487721.12
3613486.52      112.08901  (20012124)
        487731.93   3613466.15      106.99895  (20012124)              487742.75
3613445.77      101.03731  (22120821)
        487753.56   3613425.39      106.71692  (22120821)              487764.38
3613405.01      108.97925  (22120821)
        487775.20   3613384.64      107.61167  (22120821)              487786.01
3613364.26      107.80879  (22102801)
        487796.83   3613343.88      112.93706  (22102801)              487807.64
3613323.50      114.21622  (22102801)
        487818.46   3613303.13      111.53887  (22102801)              487829.27
3613282.75      105.20479  (22102801)
        487840.09   3613262.37       99.48156  (20012706)              487850.90
3613241.99       99.63898  (20012706)
        487861.72   3613221.62      109.56993  (22122205)              487872.54
3613201.24      123.51974  (22122205)
        487883.35   3613180.86      134.00859  (22122205)              487894.17
3613160.48      139.96681  (22122205)
        487904.98   3613140.11      140.78806  (22122205)              487915.80
3613119.73      136.44678  (22122205)
        487926.61   3613099.35      127.48290  (22122205)              487937.43
3613078.97      114.89243  (22122205)
        487948.24   3613058.60       99.96394  (22122205)              487959.06
3613038.22       84.02666  (22122205)
        487969.87   3613017.84       83.10098  (20031422)              487980.69
3612997.47       88.57553  (20031422)
        487991.51   3612977.09       91.95064  (20031422)              488002.32
3612956.71       99.15829  (22021602)
        488013.14   3612936.33      105.79500  (22021602)              488023.95
3612915.96      109.66580  (22021602)
        488056.59   3612888.11      125.00864  (21012721)              488078.42
3612880.63      131.41374  (21012721)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
488143.90	3612858.22	130.29142	(20121122)	488165.73	3612850.75	125.13644	(20121122)
488187.55	3612843.28	125.52860	(20012705)	488209.38	3612835.80	129.34529	(20012705)
488231.20	3612828.33	129.75847	(22021604)	488253.03	3612820.86	130.85254	(22021604)
488274.86	3612813.39	126.89134	(22021604)	488296.68	3612805.92	118.28669	(22021604)
488318.51	3612798.44	105.96178	(22021604)	488340.34	3612790.97	99.94295	(20120222)
488362.16	3612783.50	105.37509	(20011821)	488383.99	3612776.03	112.23279	(20011821)
488405.81	3612768.56	115.70505	(20011821)	488427.64	3612761.08	115.41488	(20011821)
488449.47	3612753.61	114.48131	(21121123)	488471.29	3612746.14	110.94886	(21121123)
488493.12	3612738.67	103.52554	(21121123)	488514.95	3612731.20	93.94383	(20012704)
488536.77	3612723.73	101.43045	(21020502)	488558.60	3612716.25	117.43812	(21020502)
488580.42	3612708.78	130.93811	(21020502)	488602.25	3612701.31	140.53877	(21020502)
488624.08	3612693.84	147.38809	(21020502)	488645.90	3612686.37	146.65516	(21020502)
488667.73	3612678.89	140.26025	(21020502)	488689.55	3612671.42	130.27111	(22021320)

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        488711.38   3612663.95      139.04070  (22021320)              488733.21
3612656.48      143.07661  (22021320)
        488755.03   3612649.01      141.97429  (22021320)              488776.86
3612641.53      135.75538  (22021320)
        488798.69   3612634.06      125.17701  (22021320)              488820.51
3612626.59      111.36193  (22021320)
        488842.34   3612619.12       95.64165  (22021320)              488864.16
3612611.65      105.99537  (21022003)
        488885.99   3612604.18      115.23202  (21022003)              488907.82
3612596.70      121.20477  (21022003)
        488929.64   3612589.23      123.35745  (21022003)              488951.47
3612581.76      123.78944  (20022322)
        488973.30   3612574.29      123.10790  (20022322)              488995.12
3612566.82      118.59131  (20022322)
        489016.95   3612559.34      110.67326  (20022322)              489038.77
3612551.87      100.11031  (20022322)
        489060.60   3612544.40       87.84607  (20022322)              489082.43
3612536.93       84.99337  (21021103)
        489104.25   3612529.46       93.61455  (21021103)              489126.08
3612521.98       99.91654  (21021103)
        487483.18   3613934.82       90.78692  (22091601)              487480.59
3613957.95       89.40242  (22113020)
        487478.00   3613981.07       93.77963  (22113020)              487475.41
3614004.19       95.41920  (22113020)
        487472.83   3614027.31       94.16391  (22113020)              487470.24
3614050.43       90.12596  (22113020)
        487467.65   3614073.55       88.26331  (22010220)              487465.06
3614096.67      104.05057  (22010220)
        487462.48   3614119.79      117.97131  (22010220)              487295.30
3613892.07       79.42237  (22091601)
        487306.19   3613871.56       82.87395  (22091601)              487317.08
3613851.05       84.39707  (22091601)
        487327.96   3613830.54       83.85032  (22091601)              487338.85
3613810.02       81.24639  (22091601)
        487349.74   3613789.51       85.71910  (22011606)              487360.62
3613769.00       96.31544  (22011606)
        487371.51   3613748.49      105.09319  (22011606)              487382.40
3613727.98      111.29296  (22011606)
        487393.28   3613707.47      114.33477  (22011606)              487404.17
3613686.96      113.90872  (22011606)
        487415.06   3613666.44      110.01743  (22011606)              487425.94
3613645.93      102.99546  (22011606)
        487436.83   3613625.42       94.61547  (22030623)              487447.72
3613604.91       98.59917  (22030623)
        487458.60   3613584.40      104.39429  (21121221)              487469.49
3613563.89      111.87978  (21121221)
        487480.38   3613543.38      116.16909  (21121221)              487491.26
3613522.86      116.83716  (21121221)
        487502.15   3613502.35      113.80511  (21121221)              487513.04
3613481.84      107.34944  (21121221)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
487523.92	3613461.33	98.06498	(21121221)	487534.81	3613440.82	95.61411	(20012124)
487545.70	3613420.31	97.52929	(20012124)	487556.58	3613399.80	96.34798	(20012124)
487567.47	3613379.28	92.17956	(20012124)	487578.36	3613358.77	85.41836	(20012124)
487589.24	3613338.26	90.51864	(22120821)	487600.13	3613317.75	93.33117	(22120821)
487611.02	3613297.24	93.45129	(22120821)	487621.90	3613276.73	90.87588	(22120821)
487632.79	3613256.22	94.29473	(22102801)	487643.68	3613235.70	97.63941	(22102801)
487654.56	3613215.19	98.05131	(22102801)	487665.45	3613194.68	95.51121	(22102801)
487676.34	3613174.17	90.26470	(22102801)	487687.22	3613153.66	85.26133	(20012706)
487698.11	3613133.15	85.89168	(20012706)	487709.00	3613112.64	87.89273	(22122205)
487719.88	3613092.12	100.07799	(22122205)	487730.77	3613071.61	110.23689	(22122205)
487741.66	3613051.10	117.44709	(22122205)	487752.54	3613030.59	121.04907	(22122205)
487763.43	3613010.08	120.75137	(22122205)	487774.32	3612989.57	116.62470	(22122205)
487785.20	3612969.06	109.09412	(22122205)	487796.09	3612948.54	98.89303	(22122205)
487806.98	3612928.03	86.93018	(22122205)	487817.86	3612907.52	74.15227	(22122205)

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        487828.75   3612887.01       68.31225  (20031422)              487839.64
3612866.50       73.49839  (20031422)
        487850.52   3612845.99       77.27200  (20031422)              487861.41
3612825.48       79.39892  (20031422)
        487872.30   3612804.96       86.10885  (22021602)              487883.18
3612784.45       91.24684  (22021602)
        487894.07   3612763.94       94.30090  (22021602)              487926.93
3612735.91      105.97929  (21012721)
        487948.90   3612728.39      111.90881  (21012721)              487970.87
3612720.87      114.84960  (21012721)
        487992.84   3612713.35      114.49756  (21012721)              488014.81
3612705.82      112.87243  (20121122)
        488036.78   3612698.30      110.79436  (20121122)              488058.75
3612690.78      106.34781  (20111120)
        488080.72   3612683.26      108.65553  (20012705)              488102.69
3612675.74      111.40676  (20012705)
        488124.66   3612668.22      111.64023  (22021604)              488146.63
3612660.70      112.82883  (22021604)
        488168.60   3612653.18      110.21159  (22021604)              488190.57
3612645.66      104.00907  (22021604)
        488212.54   3612638.14       94.79872  (22021604)              488234.51
3612630.61       87.94050  (20120222)
        488256.47   3612623.09       85.04974  (20011821)              488278.44
3612615.57       92.20523  (20011821)
        488300.41   3612608.05       97.19742  (20011821)              488322.38
3612600.53       99.59477  (20011821)
        488344.35   3612593.01       99.19461  (20011821)              488366.32
3612585.49       98.74813  (21121123)
        488388.29   3612577.97       96.24477  (21121123)              488410.26
3612570.45       90.75879  (21121123)
        488432.23   3612562.92       82.79380  (21121123)              488454.20
3612555.40       82.51595  (20012704)
        488476.17   3612547.88       91.78442  (21020502)              488498.14
3612540.36      104.22484  (21020502)
        488520.11   3612532.84      114.51269  (21020502)              488542.08
3612525.32      121.69693  (21020502)
        488564.05   3612517.80      125.07506  (21020502)              488586.02
3612510.28      124.30632  (21020502)
        488607.99   3612502.76      119.46835  (21020502)              488629.96
3612495.24      111.04426  (21020502)
        488651.93   3612487.71      115.34066  (22021320)              488673.90
3612480.19      120.17521  (22021320)
        488695.87   3612472.67      121.25483  (22021320)              488717.84
3612465.15      118.96561  (22021320)
        488739.81   3612457.63      113.29542  (22021320)              488761.78
3612450.11      104.31787  (22021320)
        488783.75   3612442.59       92.76358  (22021320)              488805.72
3612435.07       79.99810  (22021320)
        488827.69   3612427.55       89.08843  (21022003)              488849.66
3612420.02       97.03667  (21022003)
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
488871.63	3612412.50	102.70455	(21022003)	488893.60	3612404.98	105.62788	(21022003)
488915.57	3612397.46	105.57430	(21022003)	488937.54	3612389.94	106.58777	(20022322)
488959.51	3612382.42	104.80946	(20022322)	488981.48	3612374.90	100.22185	(20022322)
489003.45	3612367.38	93.23315	(20022322)	489025.42	3612359.86	84.42441	(20022322)
489047.39	3612352.34	74.46527	(20022322)	489069.36	3612344.81	72.32059	(20111119)
489091.33	3612337.29	78.10693	(21021103)	489113.30	3612329.77	83.94087	(21021103)
489135.27	3612322.25	87.60345	(21021103)	487284.42	3613912.58	74.31802	(22091601)
487281.83	3613935.70	78.17277	(22113020)	487279.24	3613958.82	80.93253	(22113020)
487276.65	3613981.95	81.62646	(22113020)	487274.07	3614005.07	80.19569	(22113020)
487271.48	3614028.19	76.75221	(22113020)	487268.89	3614051.31	72.07674	(22010220)
487266.30	3614074.43	84.82292	(22010220)	487263.72	3614097.55	96.55400	(22010220)
486897.73	3613847.68	56.24637	(22113020)	486908.57	3613827.27	59.61409	(22091601)
486919.40	3613806.85	62.49360	(22091601)	486930.24	3613786.44	64.31505	(22091601)
486941.07	3613766.03	64.96360	(22091601)	486951.91	3613745.61	64.38860	(22091601)

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        486962.74   3613725.20       62.61005  (22091601)               486973.58
3613704.79       60.75099  (22011606)
        486984.41   3613684.37       68.39378  (22011606)               486995.25
3613663.96       75.31105  (22011606)
        487006.08   3613643.54       81.08088  (22011606)               487016.92
3613623.13       85.31707  (22011606)
        487027.75   3613602.72       87.71854  (22011606)               487038.59
3613582.30       88.10212  (22011606)
        487049.42   3613561.89       86.42333  (22011606)               487060.26
3613541.48       82.78713  (22011606)
        487071.09   3613521.06       77.43208  (22011606)               487081.93
3613500.65       72.00463  (22030623)
        487092.76   3613480.23       75.09217  (22030623)               487103.60
3613459.82       76.63092  (22030623)
        487114.43   3613439.41       82.24303  (21121221)               487125.26
3613418.99       86.84430  (21121221)
        487136.10   3613398.58       89.50988  (21121221)               487146.93
3613378.16       90.03700  (21121221)
        487157.77   3613357.75       88.37988  (21121221)               487168.60
3613337.34       84.65349  (21121221)
        487179.44   3613316.92       79.11873  (21121221)               487190.27
3613296.51       72.16355  (21121221)
        487201.11   3613276.10       73.60081  (20012124)               487211.94
3613255.68       75.10924  (20012124)
        487222.78   3613235.27       74.79838  (20012124)               487233.61
3613214.85       72.68853  (20012124)
        487244.45   3613194.44       68.93444  (20012124)               487255.28
3613174.03       65.76589  (22120821)
        487266.12   3613153.61       69.39931  (22120821)               487276.95
3613133.20       71.61024  (22120821)
        487287.79   3613112.79       72.25670  (22120821)               487298.62
3613092.37       71.29637  (22120821)
        487309.46   3613071.96       68.79940  (22120821)               487320.29
3613051.54       72.69336  (22102801)
        487331.13   3613031.13       75.04325  (22102801)               487341.96
3613010.72       75.67783  (22102801)
        487352.80   3612990.30       74.56031  (22102801)               487363.63
3612969.89       71.77767  (22102801)
        487374.47   3612949.48       67.52723  (22102801)               487385.30
3612929.06       65.74782  (20012706)
        487396.14   3612908.65       66.25345  (20012706)               487406.97
3612888.23       65.37869  (20012706)
        487417.81   3612867.82       70.72935  (22122205)               487428.64
3612847.41       78.65091  (22122205)
        487439.48   3612826.99       85.26731  (22122205)               487450.31
3612806.58       90.12249  (22122205)
        487461.14   3612786.17       92.88570  (22122205)               487471.98
3612765.75       93.37143  (22122205)
        487482.81   3612745.34       91.56377  (22122205)               487493.65
3612724.92       87.61598  (22122205)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF VARIOUS IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
487591.16	3612541.20	60.46313	(20031422)	487602.00	3612520.79	63.03044	(22021602)
487612.83	3612500.37	67.32347	(22021602)	487623.67	3612479.96	70.53631	(22021602)
487634.50	3612459.55	72.50544	(22021602)	487667.20	3612431.65	79.14571	(21012721)
487689.07	3612424.16	83.99604	(21012721)	487710.93	3612416.68	87.23643	(21012721)
487732.80	3612409.19	88.64132	(21012721)	487754.66	3612401.71	88.10763	(21012721)
487776.53	3612394.22	87.12620	(20121122)	487798.39	3612386.74	86.18803	(20121122)
487820.26	3612379.25	83.23712	(20121122)	487842.12	3612371.76	81.20608	(20111120)
487863.99	3612364.28	83.91696	(20012705)	487885.85	3612356.79	85.68001	(20012705)
487907.72	3612349.31	85.60359	(20012705)	487929.59	3612341.82	87.01177	(22021604)
487951.45	3612334.34	86.32377	(22021604)	487973.32	3612326.85	83.42709	(22021604)

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        487995.18   3612319.37       78.52858  (22021604)               488017.05
3612311.88       71.97282  (22021604)
        488038.91   3612304.40       68.19555  (20120222)               488060.78
3612296.91       65.57128  (20120222)
        488082.64   3612289.43       67.04121  (20011821)               488104.51
3612281.94       71.59731  (20011821)
        488126.37   3612274.46       74.83026  (20011821)               488148.24
3612266.97       76.52092  (20011821)
        488170.10   3612259.49       76.54373  (20011821)               488191.97
3612252.00       76.32923  (21121123)
        488213.83   3612244.52       75.72207  (21121123)               488235.70
3612237.03       73.25275  (21121123)
        488257.56   3612229.55       69.09904  (21121123)               488279.43
3612222.06       63.54836  (21121123)
        488301.29   3612214.57       62.42134  (20012704)               488323.16
3612207.09       64.18747  (20012704)
        488345.02   3612199.60       71.94926  (21020502)               488366.89
3612192.12       80.27520  (21020502)
        488388.75   3612184.63       87.35831  (21020502)               488410.62
3612177.15       92.66594  (21020502)
        488432.48   3612169.66       95.80235  (21020502)               488454.35
3612162.18       96.53391  (21020502)
        488476.22   3612154.69       94.80550  (21020502)               488498.08
3612147.21       90.75453  (21020502)
        488519.95   3612139.72       84.68351  (21020502)               488541.81
3612132.24       87.08714  (22021320)
        488563.68   3612124.75       91.26322  (22021320)               488585.54
3612117.27       93.31734  (22021320)
        488607.41   3612109.78       93.10429  (22021320)               488629.27
3612102.30       90.64737  (22021320)
        488651.14   3612094.81       86.13110  (22021320)               488673.00
3612087.33       79.89032  (22021320)
        488694.87   3612079.84       72.34955  (22021320)               488716.73
3612072.36       63.99491  (22021320)
        488738.60   3612064.87       59.98058  (21022003)               488760.46
3612057.39       66.35725  (21022003)
        488782.33   3612049.90       71.83917  (21022003)               488804.19
3612042.41       76.09952  (21022003)
        488826.06   3612034.93       78.95884  (21022003)               488847.92
3612027.44       80.17207  (21022003)
        488869.79   3612019.96       80.25568  (20022322)               488891.65
3612012.47       80.93508  (20022322)
        488913.52   3612004.99       79.90602  (20022322)               488935.38
3611997.50       77.20461  (20022322)
        488957.25   3611990.02       73.02379  (20022322)               488979.11
3611982.53       67.65493  (20022322)
        489000.98   3611975.05       61.41741  (20022322)               489022.85
3611967.56       54.67300  (20022322)
        489044.71   3611960.08       55.16099  (20111119)               489066.58
3611952.59       56.75885  (21021103)
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        489088.44   3611945.11       61.40749  (21021103)                489110.31
3611937.62       65.06411  (21021103)
        489132.17   3611930.14       67.55457  (21021103)                489154.04
3611922.65       68.70885  (21021103)
        486886.90   3613868.10       59.00194  (22113020)                486884.31
3613891.22       61.22350  (22113020)
        486881.72   3613914.34       62.26879  (22113020)                486879.14
3613937.46       62.07229  (22113020)
        486876.55   3613960.58       60.64403  (22113020)                486873.96
3613983.70       58.07106  (22113020)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE 177
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        486871.37   3614006.82       54.50717  (22113020)                486868.79
3614029.94       59.08653  (22010220)
        486866.20   3614053.07       67.48793  (22010220)                486500.18
3613803.26       46.91582  (22113020)
        486510.98   3613782.92       44.86548  (22113020)                486521.78
3613762.57       46.72413  (22091601)
        486532.58   3613742.22       49.09058  (22091601)                486543.38
3613721.88       50.82767  (22091601)
        486554.18   3613701.53       51.85330  (22091601)                486564.97
3613681.18       52.11273  (22091601)
        486575.77   3613660.84       51.58766  (22091601)                486586.57
3613640.49       50.29393  (22091601)
        486597.37   3613620.14       48.28427  (22091601)                486608.17
3613599.80       50.84235  (22011606)
        486618.97   3613579.45       56.22132  (22011606)                486629.77
3613559.10       61.07398  (22011606)
        486640.57   3613538.76       65.15719  (22011606)                486651.37
3613518.41       68.25595  (22011606)
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        486662.17   3613498.06       70.19278  (22011606)               486672.97
3613477.72       70.85107  (22011606)
        486683.77   3613457.37       70.18464  (22011606)               486694.57
3613437.02       68.22240  (22011606)
        486705.36   3613416.68       65.06043  (22011606)               486716.16
3613396.33       60.84752  (22011606)
        486726.96   3613375.98       57.14368  (22030623)               486737.76
3613355.64       59.54368  (22030623)
        486748.56   3613335.29       60.97724  (22030623)               486759.36
3613314.94       62.68656  (21121221)
        486770.16   3613294.60       66.82535  (21121221)               486780.96
3613274.25       69.88415  (21121221)
        486791.76   3613253.90       71.68301  (21121221)               486802.56
3613233.55       72.11241  (21121221)
        486813.36   3613213.21       71.14336  (21121221)               486824.16
3613192.86       68.82795  (21121221)
        486834.96   3613172.51       65.29798  (21121221)               486845.75
3613152.17       60.75361  (21121221)
        486856.55   3613131.82       56.61357  (20012124)               486867.35
3613111.47       58.91484  (20012124)
        486878.15   3613091.13       60.12778  (20012124)               486888.95
3613070.78       60.18132  (20012124)
        486899.75   3613050.43       59.07106  (20012124)               486910.55
3613030.09       56.86264  (20012124)
        486921.35   3613009.74       53.68055  (20012124)               486932.15
3612989.39       52.67564  (22120821)
        486942.95   3612969.05       55.33999  (22120821)               486953.75
3612948.70       57.11097  (22120821)
        486964.55   3612928.35       57.89464  (22120821)               486975.35
3612908.01       57.65087  (22120821)
        486986.14   3612887.66       56.39452  (22120821)               486996.94
3612867.31       55.48951  (22102801)
        487007.74   3612846.97       58.23564  (22102801)               487018.54
3612826.62       59.98621  (22102801)
        487029.34   3612806.27       60.64664  (22102801)               487040.14
3612785.93       60.18450  (22102801)
        487050.94   3612765.58       58.62937  (22102801)               487061.74
3612745.23       56.07168  (22102801)
        487072.54   3612724.89       52.65460  (22102801)               487083.34
3612704.54       52.71295  (20012706)
        487094.14   3612684.19       53.12575  (20012706)               487104.94
3612663.85       52.65415  (20012706)
        487115.74   3612643.50       52.17302  (22122205)               487126.54
3612623.15       58.28460  (22122205)
        487137.33   3612602.81       63.80089  (22122205)               487148.13
3612582.46       68.44247  (22122205)
        487158.93   3612562.11       71.95355  (22122205)               487169.73
3612541.77       74.13946  (22122205)
        487180.53   3612521.42       74.88242  (22122205)               487191.33
3612501.07       74.14886  (22122205)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
487202.13	3612480.73	71.99536	(22122205)	487212.93	3612460.38	68.55705	(22122205)
487223.73	3612440.03	64.03893	(22122205)	487234.53	3612419.69	58.69482	(22122205)
487245.33	3612399.34	52.79723	(22122205)	487256.13	3612378.99	46.62618	(22122205)
487266.93	3612358.65	40.44310	(22122205)	487277.72	3612338.30	39.11981	(20031422)
487288.52	3612317.95	42.02914	(20031422)	487299.32	3612297.61	44.52459	(20031422)
487310.12	3612277.26	46.51090	(20031422)	487320.92	3612256.91	47.91004	(20031422)
487331.72	3612236.57	48.66906	(20031422)	487342.52	3612216.22	51.58790	(22021602)
487353.32	3612195.87	54.47443	(22021602)	487364.12	3612175.53	56.64716	(22021602)
487374.92	3612155.18	58.01974	(22021602)	487407.51	3612127.37	61.61760	(21012721)
487429.30	3612119.91	65.53602	(21012721)	487451.10	3612112.45	68.52099	(21012721)
487472.89	3612104.99	70.40692	(21012721)	487494.68	3612097.53	71.08313	(21012721)
487516.48	3612090.07	70.49911	(21012721)	487538.27	3612082.61	69.84201	(20121122)
487560.06	3612075.15	69.42435	(20121122)	487581.86	3612067.69	67.70380	(20121122)
487603.65	3612060.23	65.66284	(20111120)	487625.44	3612052.77	64.99184	(20012705)

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        487647.24   3612045.31       67.31412  (20012705)               487669.03
3612037.85       68.53359  (20012705)
        487690.82   3612030.38       68.57644  (20012705)               487712.62
3612022.92       69.58083  (22021604)
        487734.41   3612015.46       69.68988  (22021604)               487756.20
3612008.00       68.36227  (22021604)
        487778.00   3612000.54       65.66732  (22021604)               487799.79
3611993.08       61.76969  (22021604)
        487821.58   3611985.62       56.89757  (22021604)               487843.38
3611978.16       54.93559  (20120222)
        487865.17   3611970.70       53.22411  (20120222)               487886.96
3611963.24       51.02163  (22051001)
        487908.76   3611955.78       54.44427  (20011821)               487930.55
3611948.32       57.55600  (20011821)
        487952.34   3611940.86       59.80384  (20011821)               487974.14
3611933.40       61.06435  (20011821)
        487995.93   3611925.94       61.26275  (20011821)               488017.72
3611918.48       61.04686  (21121123)
        488039.52   3611911.01       61.22033  (21121123)               488061.31
3611903.55       60.18564  (21121123)
        488083.10   3611896.09       58.01150  (21121123)               488104.90
3611888.63       54.77298  (21121123)
        488126.69   3611881.17       50.68183  (21121123)               488148.48
3611873.71       49.12725  (20012704)
        488170.28   3611866.25       50.75019  (20012704)               488192.07
3611858.79       51.80587  (21020502)
        488213.86   3611851.33       58.24193  (21020502)               488235.66
3611843.87       64.18768  (21020502)
        488257.45   3611836.41       69.32615  (21020502)               488279.24
3611828.95       73.37134  (21020502)
        488301.04   3611821.49       76.08552  (21020502)               488322.83
3611814.03       77.30068  (21020502)
        488344.62   3611806.57       76.94285  (21020502)               488366.42
3611799.11       75.03325  (21020502)
        488388.21   3611791.64       71.68995  (21020502)               488410.00
3611784.18       67.11537  (21020502)
        488431.80   3611776.72       68.40521  (22021320)               488453.59
3611769.26       71.88712  (22021320)
        488475.38   3611761.80       74.08278  (22021320)               488497.18
3611754.34       74.88633  (22021320)
        488518.97   3611746.88       74.20656  (22021320)               488540.76
3611739.42       72.10842  (22021320)
        488562.56   3611731.96       68.72044  (22021320)               488584.35
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        488606.14   3611717.04       58.91909  (22021320)               488627.94
3611709.58       53.01630  (22021320)
        488649.73   3611702.12       47.54300  (21012720)               488671.53
3611694.66       47.68569  (21022003)
        488693.32   3611687.20       52.31724  (21022003)               488715.11
3611679.74       56.41801  (21022003)
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3611530.52   54.73343 (21021103)
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3613869.85   49.72387 (22113020)
        486481.62   3613892.97   49.21429 (22113020)   486479.03
3613916.09   47.93229 (22113020)
        486476.44   3613939.22   45.93941 (22113020)   486473.85
3613962.34   43.33218 (22113020)

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 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 180
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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        486886.59   3612281.79       61.58581  (22122205)               486897.48
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        487060.78   3611953.60       39.75761  (20031422)               487071.66
3611933.09       40.54043  (22021602)
        487082.55   3611912.58       43.06082  (22021602)               487093.44
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        487367.76   3611747.80       54.29011  (20111120)               487389.73
3611740.28       53.63936  (20111120)
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3611379.27   59.76707 (22021320)

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3611258.94       53.32902  (20022322)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF VARIOUS IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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486041.64	3613080.30	42.09255	(22030623)	486052.49	3613059.85	42.66226	(22030623)
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        486736.24   3611771.62       27.24286  (20031422)               486747.09
3611751.17       28.94354  (20031422)
        486757.95   3611730.72       30.44333  (20031422)               486768.80
3611710.27       31.70484  (20031422)
        486779.65   3611689.82       32.67350  (20031422)               486790.50
3611669.37       33.33092  (20031422)
        486801.36   3611648.93       33.68331  (20031422)               486812.21
3611628.48       34.95378  (22021602)
        486823.06   3611608.03       36.79499  (22021602)               486833.92
3611587.58       38.31495  (22021602)
        486844.77   3611567.13       39.51698  (22021602)               486855.62
3611546.69       40.26962  (22021602)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        486888.38   3611518.74       41.79703  (20120221)               486910.28
3611511.24       43.26136  (21012721)
        486932.18   3611503.74       45.51918  (21012721)               486954.08
3611496.25       47.31592  (21012721)
        486975.99   3611488.75       48.58363  (21012721)               486997.89
3611481.25       49.26901  (21012721)
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        487019.79   3611473.75       49.34151  (21012721)               487041.69
3611466.26       48.79335  (21012721)
        487063.59   3611458.76       48.60503  (20121122)               487085.50
3611451.26       48.52224  (20121122)
        487107.40   3611443.76       47.79171  (20121122)               487129.30
3611436.26       46.43773  (20121122)
        487151.20   3611428.77       45.55357  (20111120)               487173.10
3611421.27       44.78947  (20111120)
        487195.01   3611413.77       45.80351  (20012705)               487216.91
3611406.27       46.95275  (20012705)
        487238.81   3611398.77       47.54799  (20012705)               487260.71
3611391.28       47.56318  (20012705)
        487282.61   3611383.78       48.17365  (22021604)               487304.52
3611376.28       48.63322  (22021604)
        487326.42   3611368.78       48.38261  (22021604)               487348.32
3611361.29       47.42898  (22021604)
        487370.22   3611353.79       45.80886  (22021604)               487392.12
3611346.29       43.58872  (22021604)
        487414.03   3611338.79       40.85785  (22021604)               487435.93
3611331.29       38.78265  (20120222)
        487457.83   3611323.80       38.27170  (20120222)               487479.73
3611316.30       37.30211  (20120222)
        487501.63   3611308.80       35.90730  (20120222)               487523.54
3611301.30       34.91165  (22051001)
        487545.44   3611293.81       36.98941  (20011821)               487567.34
3611286.31       38.95584  (20011821)
        487589.24   3611278.81       40.52955  (20011821)               487611.14
3611271.31       41.65062  (20011821)
        487633.05   3611263.81       42.27476  (20011821)               487654.95
3611256.32       42.37546  (20011821)
        487676.85   3611248.82       42.34590  (21121123)               487698.75
3611241.32       42.77059  (21121123)
        487720.65   3611233.82       42.59292  (21121123)               487742.56
3611226.33       41.81838  (21121123)
        487764.46   3611218.83       40.47767  (21121123)               487786.36
3611211.33       38.62512  (21121123)
        487808.26   3611203.83       36.33463  (21121123)               487830.16
3611196.33       33.69490  (21121123)
        487852.07   3611188.84       33.47780  (20012704)               487873.97
3611181.34       34.57659  (20012704)
        487895.87   3611173.84       35.31215  (20012704)               487917.77
3611166.34       35.62591  (20012704)
        487939.67   3611158.84       38.78761  (21020502)               487961.58
3611151.35       42.41505  (21020502)
        487983.48   3611143.85       45.72603  (21020502)               488005.38
3611136.35       48.59477  (21020502)
        488027.28   3611128.85       50.90541  (21020502)               488049.18
3611121.36       52.56093  (21020502)
        488071.09   3611113.86       53.49018  (21020502)               488092.99
3611106.36       53.65132  (21020502)
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        488114.89   3611098.86       53.03780  (21020502)               488136.79
3611091.36       51.67664  (21020502)
        488158.69   3611083.87       49.62759  (21020502)               488180.60
3611076.37       46.97569  (21020502)
        488202.50   3611068.87       44.60906  (22021320)               488224.40
3611061.37       47.28188  (22021320)
        488246.30   3611053.88       49.42191  (22021320)               488268.20
3611046.38       50.93658  (22021320)
        488290.11   3611038.88       51.77026  (22021320)               488312.01
3611031.38       51.89147  (22021320)
        488333.91   3611023.88       51.29699  (22021320)               488355.81
3611016.39       50.01368  (22021320)
        488377.71   3611008.89       48.09564  (22021320)               488399.62
3611001.39       45.62131  (22021320)
        488421.52   3610993.89       42.69095  (22021320)               488443.42
3610986.39       39.41453  (22021320)
        488465.32   3610978.90       35.90909  (22021320)               488487.23
3610971.40       33.25130  (21012720)
        488509.13   3610963.90       31.81626  (21012720)               488531.03
3610956.40       31.69942  (21022003)
        488552.93   3610948.91       34.50948  (21022003)               488574.83
3610941.41       37.11339  (21022003)
        488596.74   3610933.91       39.42641  (21022003)               488618.64
3610926.41       41.36704  (21022003)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 184
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        488640.54   3610918.91       42.86781  (21022003)               488662.44
3610911.42       43.88126  (21022003)
        488684.34   3610903.92       44.36843  (21022003)               488706.25
3610896.42       44.30130  (21022003)
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        488728.15   3610888.92       44.67826  (20022322)               488750.05
3610881.43       44.93399  (20022322)
        488771.95   3610873.93       44.64065  (20022322)               488793.85
3610866.43       43.81248  (20022322)
        488815.76   3610858.93       42.48256  (20022322)               488837.66
3610851.43       40.70298  (20022322)
        488859.56   3610843.94       38.53874  (20022322)               488881.46
3610836.44       36.06466  (20022322)
        488903.36   3610828.94       33.36226  (20022322)               488925.27
3610821.44       30.51319  (20022322)
        488947.17   3610813.94       29.78302  (20111119)               488969.07
3610806.45       30.07219  (20111119)
        488990.97   3610798.95       30.06092  (20111119)               489012.87
3610791.45       30.13609  (20122022)
        489034.78   3610783.95       31.51542  (21021103)               489056.68
3610776.46       33.47520  (21021103)
        489078.58   3610768.96       35.14010  (21021103)               489100.48
3610761.46       36.45818  (21021103)
        489122.38   3610753.96       37.38957  (21021103)               489144.29
3610746.46       37.90838  (21021103)
        489166.19   3610738.97       38.29798  (22021321)               489188.09
3610731.47       39.16062  (22021321)
        489209.99   3610723.97       39.59698  (22021321)               485694.34
3613734.64       33.96830  (22113020)
        485691.76   3613757.76       34.11840  (22113020)               485689.17
3613780.88       33.88691  (22113020)
        485686.58   3613804.00       33.28171  (22113020)               485683.99
3613827.12       32.32269  (22113020)
        485681.41   3613850.24       31.04357  (22113020)               485678.82
3613873.36       29.48476  (22113020)
        485676.23   3613896.49       27.69646  (22113020)               485673.64
3613919.61       29.00487  (22010220)
        485307.65   3613669.75       29.03308  (22113020)               485318.48
3613649.35       28.65981  (22113020)
        485329.30   3613628.95       28.04372  (22113020)               485340.13
3613608.56       27.20805  (22113020)
        485350.96   3613588.16       26.17018  (22113020)               485361.78
3613567.76       26.14410  (22091601)
        485372.61   3613547.36       27.49705  (22091601)               485383.44
3613526.96       28.66867  (22091601)
        485394.26   3613506.56       29.62861  (22091601)               485405.09
3613486.17       30.34814  (22091601)
        485415.92   3613465.77       30.80557  (22091601)               485426.74
3613445.37       30.98688  (22091601)
        485437.57   3613424.97       30.88568  (22091601)               485448.40
3613404.57       30.50148  (22091601)
        485459.22   3613384.17       31.45451  (21061106)               485470.05
3613363.78       33.00375  (21061106)
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        485524.18   3613261.78       36.31837  (21061106)                485535.01
3613241.38       37.14144  (22011606)
        485545.84   3613220.99       38.96284  (22011606)                485556.67
3613200.59       40.39348  (22011606)
        485567.49   3613180.19       41.41998  (22011606)                485578.32
3613159.79       41.99672  (22011606)
        485589.15   3613139.39       42.10322  (22011606)                485599.97
3613118.99       41.75511  (22011606)
        485610.80   3613098.60       40.92401  (22011606)                485621.63
3613078.20       39.64360  (22011606)
        485632.45   3613057.80       37.96133  (22011606)                485643.28
3613037.40       35.94280  (22011606)
        485654.11   3613017.00       33.63626  (22011606)                485664.93
3612996.60       33.47852  (22030623)
        485675.76   3612976.21       34.75802  (22030623)                485686.59
3612955.81       35.72184  (22030623)
        485697.41   3612935.41       36.32204  (22030623)                485708.24
3612915.01       36.54517  (22030623)
        485719.07   3612894.61       37.94463  (21121221)                485729.89
3612874.21       39.84182  (21121221)
        485740.72   3612853.81       41.35055  (21121221)                485751.55
3612833.42       42.41514  (21121221)
        485762.37   3612813.02       42.99632  (21121221)                485773.20
3612792.62       43.07654  (21121221)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 185
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
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3612751.82       41.73081  (21121221)
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        485827.33   3612690.63       36.40742  (21121221)              485838.16
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        485848.99   3612649.83       33.29851  (20012124)              485859.81
3612629.43       34.60010  (20012124)
        485870.64   3612609.03       35.53193  (20012124)              485881.47
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        485892.29   3612568.24       36.16570  (20012124)              485903.12
3612547.84       35.84907  (20012124)
        485913.95   3612527.44       35.11480  (20012124)              485924.77
3612507.04       33.99049  (20012124)
        485935.60   3612486.64       32.52066  (20012124)              485946.43
3612466.24       30.74481  (20012124)
        485957.25   3612445.85       30.64765  (22120821)              485968.08
3612425.45       32.11381  (22120821)
        485978.91   3612405.05       33.29241  (22120821)              485989.73
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        486000.56   3612364.25       34.63166  (22120821)              486011.39
3612343.85       34.75265  (22120821)
        486022.21   3612323.46       34.49670  (22120821)              486033.04
3612303.06       33.87695  (22120821)
        486043.87   3612282.66       32.90864  (22120821)              486054.69
3612262.26       32.91914  (22102801)
        486065.52   3612241.86       34.31627  (22102801)              486076.35
3612221.46       35.36771  (22102801)
        486087.17   3612201.06       36.04064  (22102801)              486098.00
3612180.67       36.31401  (22102801)
        486108.83   3612160.27       36.17778  (22102801)              486119.65
3612139.87       35.64018  (22102801)
        486130.48   3612119.47       34.71921  (22102801)              486141.31
3612099.07       33.44558  (22102801)
        486152.13   3612078.67       31.86483  (22102801)              486162.96
3612058.28       30.80647  (20012706)
        486173.79   3612037.88       31.46981  (20012706)              486184.61
3612017.48       31.82156  (20012706)
        486195.44   3611997.08       31.85195  (20012706)              486206.27
3611976.68       31.56197  (20012706)
        486217.09   3611956.28       30.96349  (20012706)              486227.92
3611935.89       30.06717  (20012706)
        486238.75   3611915.49       32.97936  (22122205)              486249.57
3611895.09       35.74512  (22122205)
        486260.40   3611874.69       38.26876  (22122205)              486271.23
3611854.29       40.47413  (22122205)
        486282.05   3611833.89       42.28536  (22122205)              486292.88
3611813.49       43.63879  (22122205)
        486303.71   3611793.10       44.49810  (22122205)              486314.53
3611772.70       44.82762  (22122205)
        486325.36   3611752.30       44.62039  (22122205)              486336.19
3611731.90       43.88609  (22122205)
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        486390.32   3611629.91       33.86705  (22122205)                486401.15
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        486411.97   3611589.11       28.17543  (22122205)                486422.80
3611568.71       25.28114  (22122205)
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3611446.32       25.86174  (20031422)
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3611323.93       30.43256  (22021602)
        486563.55   3611303.53       31.85873  (22021602)                486574.38
3611283.14       33.04531  (22021602)
        486585.20   3611262.74       33.95960  (22021602)                486596.03
3611242.34       34.58301  (22021602)
        486628.70   3611214.46       35.69690  (20120221)                486650.55
3611206.98       36.70903  (20120221)
        486672.40   3611199.50       38.30233  (21012721)                486694.25
3611192.02       39.95909  (21012721)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 186
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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        486759.80   3611169.58       42.52401  (21012721)              486781.65
3611162.10       42.49589  (21012721)
        486803.49   3611154.62       42.00563  (21012721)              486825.34
3611147.14       41.88741  (20121122)
        486847.19   3611139.66       41.85555  (20121122)              486869.04
3611132.18       41.31240  (20121122)
        486890.89   3611124.71       40.30756  (20121122)              486912.74
3611117.23       39.18073  (20111120)
        486934.59   3611109.75       38.80288  (20111120)              486956.44
3611102.27       38.10925  (20012705)
        486978.28   3611094.79       39.35325  (20012705)              487000.13
3611087.31       40.22888  (20012705)
        487021.98   3611079.83       40.69838  (20012705)              487043.83
3611072.35       40.74183  (20012705)
        487065.68   3611064.87       41.14214  (22021604)              487087.53
3611057.39       41.67565  (22021604)
        487109.38   3611049.91       41.69005  (22021604)              487131.23
3611042.43       41.18164  (22021604)
        487153.07   3611034.95       40.16698  (22021604)              487174.92
3611027.47       38.68062  (22021604)
        487196.77   3611019.99       36.77502  (22021604)              487218.62
3611012.51       34.51640  (22021604)
        487240.47   3611005.03       33.30958  (20120222)              487262.32
3610997.55       32.92751  (20120222)
        487284.17   3610990.07       32.20593  (20120222)              487306.02
3610982.59       31.16600  (20120222)
        487327.87   3610975.11       30.08136  (22051001)              487349.71
3610967.63       30.22075  (20011821)
        487371.56   3610960.15       31.98199  (20011821)              487393.41
3610952.67       33.49677  (20011821)
        487415.26   3610945.19       34.71739  (20011821)              487437.11
3610937.72       35.60385  (20011821)
        487458.96   3610930.24       36.12608  (20011821)              487480.81
3610922.76       36.26534  (20011821)
        487502.66   3610915.28       36.15329  (21121123)              487524.50
3610907.80       36.66685  (21121123)
        487546.35   3610900.32       36.74037  (21121123)              487568.20
3610892.84       36.36943  (21121123)
        487590.05   3610885.36       35.56621  (21121123)              487611.90
3610877.88       34.35854  (21121123)
        487633.75   3610870.40       32.78824  (21121123)              487655.60
3610862.92       30.90878  (21121123)
        487677.45   3610855.44       28.78219  (21121123)              487699.29
3610847.96       28.23508  (20012704)
        487721.14   3610840.48       29.20614  (20012704)              487742.99
3610833.00       29.91038  (20012704)
        487764.84   3610825.52       30.32517  (20012704)              487786.69
3610818.04       30.43683  (20012704)
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        487808.54   3610810.56       33.39933  (21020502)                487830.39
3610803.08       36.27330  (21020502)
        487852.24   3610795.60       38.91728  (21020502)                487874.08
3610788.12       41.24484  (21020502)
        487895.93   3610780.64       43.17669  (21020502)                487917.78
3610773.16       44.65564  (21020502)
        487939.63   3610765.68       45.60447  (21020502)                487961.48
3610758.21       45.99389  (21020502)
        487983.33   3610750.73       45.81277  (21020502)                488005.18
3610743.25       45.06801  (21020502)
        488027.03   3610735.77       43.78768  (21020502)                488048.87
3610728.29       42.02005  (21020502)
        488070.72   3610720.81       39.82777  (21020502)                488092.57
3610713.33       37.62310  (22021320)
        488114.42   3610705.85       39.83119  (22021320)                488136.27
3610698.37       41.67133  (22021320)
        488158.12   3610690.89       43.08074  (22021320)                488179.97
3610683.41       44.01028  (22021320)
        488201.82   3610675.93       44.42727  (22021320)                488223.66
3610668.45       44.31753  (22021320)
        488245.51   3610660.97       43.68598  (22021320)                488267.36
3610653.49       42.55623  (22021320)
        488289.21   3610646.01       40.96939  (22021320)                488311.06
3610638.53       38.98142  (22021320)
        488332.91   3610631.05       36.65992  (22021320)                488354.76
3610623.57       34.09125  (22021320)
        488376.61   3610616.09       31.33990  (22021320)                488398.46
3610608.61       28.85542  (21012720)
        488420.30   3610601.13       27.83607  (21012720)                488442.15
3610593.65       26.66875  (22120720)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 187
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
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        489121.99   3614330.36     4530.77937  (20010718)               489030.37
3614338.24     1056.43812  (21120902)
        489071.24   3614350.04      844.23283  (20020621)               489095.27
3614352.63     2271.59556  (20010718)
        489119.31   3614355.22     3502.27771  (20010718)               489027.70
3614363.10      636.85464  (22051322)
        488988.70   3614326.25     1630.07992  (20050622)               489068.56
3614374.90     1078.58131  (20010718)
        489092.60   3614377.48     2340.70750  (20010718)               489116.64
3614380.07     2538.63316  (20010718)
        489140.67   3614382.66     1859.51904  (22011619)               489025.02
3614387.95      517.09824  (20020621)
        488991.37   3614369.53      650.17221  (21120902)               488969.20
3614341.89     1248.22292  (20050622)
        489065.88   3614399.75     1323.81016  (20010718)               489089.92
3614402.34     2121.36206  (20010718)
        489113.96   3614404.93     1818.78288  (20010718)               489016.31
3614435.82      417.35684  (20010718)
        488996.11   3614424.77      380.76439  (20020621)               488975.92
3614413.71      367.84814  (20020621)
        488955.73   3614402.65      441.89474  (22051322)               488929.13
3614369.49      808.87542  (20050622)
        488922.72   3614347.38     1164.76871  (20050622)               488916.31
3614325.27     1154.51496  (20050622)
        488909.89   3614303.17     1193.53390  (20070524)               489036.50
3614446.88      882.14677  (20010718)
        489060.53   3614449.47     1406.82617  (20010718)               489084.57
3614452.05     1482.22840  (20010718)
        489108.61   3614454.64      972.26236  (20010718)               489011.92
3614486.06      664.36760  (20010718)
        488973.46   3614465.00      297.28749  (20020621)               488935.00
3614443.94      279.63818  (20020621)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 188
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
488890.43	3614401.83	547.19203	(21120902)	488878.22	3614359.72	963.75283	(20050622)
488866.01	3614317.61	971.21258	(20070524)	489055.18	3614499.18	1167.24995	(20010718)
489079.22	3614501.77	962.79001	(20010718)	489103.26	3614504.35	621.92805	(20012102)
489127.29	3614506.94	832.69243	(22011619)	489004.76	3614534.79	752.35243	(20010718)
488983.73	3614523.27	469.82565	(20010718)	488962.70	3614511.75	240.83726	(20020621)
488941.67	3614500.24	236.14444	(20020621)	488920.63	3614488.72	230.04752	(20020621)
488899.60	3614477.20	222.56450	(20020621)	488878.57	3614465.69	262.97453	(22051322)
488850.86	3614431.14	426.72149	(21120902)	488844.18	3614408.11	558.26912	(20050622)
488837.50	3614385.08	759.71750	(20050622)	488830.82	3614362.05	782.69829	(20050622)
488824.14	3614339.02	775.59177	(20070524)	488817.46	3614315.99	691.45132	(20070524)
488810.78	3614292.97	682.97965	(20052402)	489025.79	3614546.30	912.83675	(20010718)
489049.83	3614548.89	864.40051	(20010718)	489073.87	3614551.48	616.30143	(20010718)
489097.91	3614554.07	520.82185	(20012102)	489121.94	3614556.65	663.31891	(22011619)
489000.25	3614584.96	746.18652	(20010718)	488980.06	3614573.90	595.97485	(20010718)
488959.87	3614562.85	385.80309	(20010718)	488939.68	3614551.79	214.07359	(20010718)
488919.49	3614540.74	194.56034	(20020621)	488899.30	3614529.68	190.65674	(20020621)
488879.11	3614518.63	185.92317	(20020621)	488858.92	3614507.57	180.51359	(20020621)
488838.73	3614496.51	214.87123	(22051322)	488812.12	3614463.35	327.88968	(21120902)
488805.71	3614441.24	391.61207	(21120902)	488799.30	3614419.13	525.60855	(20050622)
488792.89	3614397.02	629.25298	(20050622)	488786.47	3614374.92	613.98831	(20050622)
488780.06	3614352.81	631.39822	(20070524)	488773.65	3614330.70	600.95077	(20070524)
488767.24	3614308.59	511.54520	(20052402)	488760.82	3614286.48	645.17289	(20052402)
489020.44	3614596.02	745.81632	(20010718)	489044.48	3614598.60	612.51066	(20010718)

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        489068.52   3614601.19      400.34976  (20010718)                489092.55
3614603.78      441.71415  (20012102)
        489116.59   3614606.37      544.43092  (22011619)                488989.03
3614684.10      537.53951  (20010718)
        488968.32   3614672.76      566.00312  (20010718)                488947.61
3614661.42      500.00677  (20010718)
        488926.91   3614650.08      372.12160  (20010718)                488906.20
3614638.75      237.87683  (20010718)
        488885.49   3614627.41      140.17181  (21121907)                488864.78
3614616.07      138.51932  (21121907)
        488844.07   3614604.73      136.29811  (21121907)                488823.37
3614593.39      133.84517  (21121907)
        488802.66   3614582.05      124.15995  (20020621)                488781.95
3614570.71      116.57163  (22051322)
        488761.24   3614559.37      141.60798  (22051322)                488733.96
3614525.35      198.02639  (21120902)
        488727.38   3614502.68      253.42720  (21120902)                488720.80
3614480.00      287.71603  (21120902)
        488714.22   3614457.33      384.56269  (20050622)                488707.65
3614434.65      465.95419  (20050622)
        488701.07   3614411.98      478.63927  (20050622)                488694.49
3614389.30      459.47503  (20070524)
        488687.92   3614366.63      484.39332  (20070524)                488681.34
3614343.95      431.98509  (20070524)
        488674.76   3614321.28      389.00771  (20052402)                488668.19
3614298.60      484.58741  (20052402)
        488661.61   3614275.93      511.12767  (20052402)                489009.74
3614695.44      430.36088  (20010718)
        489033.78   3614698.03      301.06858  (20010718)                489057.81
3614700.62      270.36742  (20012102)
        489081.85   3614703.20      330.64754  (20012102)                488978.01
3614783.35      325.48886  (20010718)
        488956.97   3614771.83      407.94713  (20010718)                488935.94
3614760.32      443.16531  (20010718)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 189
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
488914.91	3614748.80	415.87255	(20010718)	488893.88	3614737.28	338.30613	(20010718)
488872.85	3614725.77	240.47962	(20010718)	488851.81	3614714.25	154.53594	(20010718)
488830.78	3614702.74	104.73917	(21121907)	488809.75	3614691.22	103.64035	(21121907)
488788.72	3614679.70	102.73415	(21121907)	488767.69	3614668.19	101.48193	(21121907)
488746.66	3614656.67	99.78508	(21121907)	488725.62	3614645.15	97.84151	(21121907)
488704.59	3614633.64	95.72767	(21121907)	488683.56	3614622.12	111.13364	(22051322)
488655.85	3614587.57	141.42904	(22051322)	488649.17	3614564.54	176.61399	(21120902)
488642.49	3614541.51	212.58143	(21120902)	488635.81	3614518.48	231.37815	(21120902)
488629.13	3614495.46	306.07364	(20050622)	488622.45	3614472.43	367.03468	(20050622)
488615.77	3614449.40	385.00547	(20050622)	488609.09	3614426.37	352.22328	(20050622)
488602.41	3614403.34	383.62532	(20070524)	488595.73	3614380.31	377.04530	(20070524)
488589.05	3614357.28	323.68636	(20070524)	488582.37	3614334.25	306.88027	(20052402)
488575.69	3614311.22	378.99568	(20052402)	488569.01	3614288.19	408.85478	(20052402)
488562.33	3614265.16	419.79971	(22010220)	488999.04	3614794.87	235.31172	(20010718)
489023.07	3614797.46	174.62286	(20012102)	489047.11	3614800.04	224.92234	(20012102)
489071.15	3614802.63	258.43595	(20012102)	489095.19	3614805.22	299.86562	(22011619)
488968.14	3614883.24	191.84041	(20010718)	488947.95	3614872.18	258.90905	(20010718)
488927.76	3614861.13	318.60665	(20010718)	488907.57	3614850.07	354.44883	(20010718)
488887.38	3614839.01	354.84683	(20010718)	488867.19	3614827.96	318.15148	(20010718)
488847.00	3614816.90	259.63581	(20010718)	488826.81	3614805.85	189.77721	(20010718)
488806.62	3614794.79	129.10316	(20010718)	488786.43	3614783.73	83.92055	(20010718)
488766.24	3614772.68	79.18514	(21121907)	488746.05	3614761.62	76.13789	(21121907)

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        488725.86   3614750.57       74.05527  (21121907)                488705.67
3614739.51       75.72775  (21121907)
        488685.48   3614728.45       70.88634  (21121907)                488665.29
3614717.40       71.86274  (21121907)
        488645.09   3614706.34       73.78749  (21121907)                488624.90
3614695.29       73.52846  (21121907)
        488604.71   3614684.23       85.39440  (22051322)                488578.11
3614651.07      111.80079  (22051322)
        488571.70   3614628.96      127.21340  (21120902)                488565.29
3614606.85      158.31436  (21120902)
        488558.87   3614584.74      180.49064  (21120902)                488552.46
3614562.63      189.81851  (21120902)
        488546.05   3614540.53      233.32323  (20050622)                488539.64
3614518.42      284.33003  (20050622)
        488533.22   3614496.31      313.78844  (20050622)                488526.81
3614474.20      312.71184  (20050622)
        488520.40   3614452.09      283.33949  (20070524)                488513.99
3614429.98      314.28317  (20070524)
        488507.57   3614407.88      314.66194  (20070524)                488501.16
3614385.77      284.45212  (20070524)
        488494.75   3614363.66      232.69329  (20070524)                488488.33
3614341.55      264.88464  (20052402)
        488481.92   3614319.44      313.93742  (20052402)                488475.51
3614297.34      336.11283  (20052402)
        488469.10   3614275.23      325.61259  (20052402)                488462.68
3614253.12      394.14178  (22010220)
        488988.33   3614894.29      131.64662  (20010718)                489012.37
3614896.88      156.69072  (20012102)
        489036.41   3614899.47      189.57703  (20012102)                489060.45
3614902.06      209.08935  (20012102)
        489084.48   3614904.64      239.42264  (22011619)                488957.15
3614982.50      109.40862  (20010718)
        488936.67   3614971.29      154.69583  (20010718)                488916.18
3614960.07      204.56947  (20010718)
        488895.70   3614948.85      249.88858  (20010718)                488875.22
3614937.64      280.10614  (20010718)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 190
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
488854.73	3614926.42	287.11204	(20010718)	488834.25	3614915.21	268.72227	(20010718)
488813.77	3614903.99	229.80474	(20010718)	488793.28	3614892.77	180.15559	(20010718)
488772.80	3614881.56	130.58065	(20010718)	488752.32	3614870.34	89.00443	(20010718)
488731.83	3614859.12	60.54496	(21121907)	488711.35	3614847.91	60.18555	(21121907)
488690.87	3614836.69	59.74677	(21121907)	488670.38	3614825.48	59.23007	(21121907)
488649.90	3614814.26	58.64338	(21121907)	488629.42	3614803.04	57.99016	(21121907)
488608.93	3614791.83	57.27428	(21121907)	488588.45	3614780.61	56.50462	(21121907)
488567.97	3614769.40	55.68474	(21121907)	488547.49	3614758.18	56.94851	(22051322)
488527.00	3614746.96	66.80009	(22051322)	488500.01	3614713.32	86.76554	(22051322)
488493.51	3614690.89	95.36964	(22051322)	488487.00	3614668.46	117.12788	(21120902)
488480.50	3614646.03	140.42395	(21120902)	488473.99	3614623.60	157.64773	(21120902)
488467.49	3614601.18	164.62768	(21120902)	488460.98	3614578.75	200.52468	(20050622)
488454.47	3614556.32	238.16598	(20050622)	488447.97	3614533.89	262.28726	(20050622)
488441.46	3614511.46	265.95238	(20050622)	488434.96	3614489.03	246.76014	(20050622)
488428.45	3614466.60	254.97228	(20070524)	488421.95	3614444.17	268.17479	(20070524)
488415.44	3614421.75	258.19580	(20070524)	488408.94	3614399.32	227.74085	(20070524)
488402.43	3614376.89	184.46210	(20070524)	488395.93	3614354.46	219.68460	(20052402)
488389.42	3614332.03	259.80418	(20052402)	488382.91	3614309.60	281.48448	(20052402)
488376.41	3614287.17	279.67074	(20052402)	488369.90	3614264.75	299.97581	(22010220)
488363.40	3614242.32	355.33267	(22010220)	488977.63	3614993.72	109.00672	(20012102)
489001.67	3614996.31	136.09701	(20012102)	489025.71	3614998.89	157.80312	(20012102)

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        489049.74   3615001.48      169.46662  (20012102)                488946.22
3615081.81       84.07325  (20012102)
        488925.51   3615070.47       99.98156  (20010718)                488904.80
3615059.13      137.82560  (20010718)
        488884.10   3615047.79      179.02876  (20010718)                488863.39
3615036.45      217.07873  (20010718)
        488842.68   3615025.11      244.32683  (20010718)                488821.97
3615013.77      249.49616  (20010718)
        488801.26   3615002.43      236.65049  (20010718)                488780.55
3614991.09      210.44037  (20010718)
        488759.85   3614979.75      173.25428  (20010718)                488739.14
3614968.41      132.65413  (20010718)
        488718.43   3614957.07       95.37919  (20010718)                488697.72
3614945.73       65.58669  (20010718)
        488677.01   3614934.39       50.75297  (21121907)                488656.31
3614923.05       50.47938  (21121907)
        488635.60   3614911.71       50.15006  (21121907)                488614.89
3614900.37       49.76803  (21121907)
        488594.18   3614889.03       49.33610  (21121907)                488573.47
3614877.70       48.85674  (21121907)
        488552.76   3614866.36       48.33455  (21121907)                488532.06
3614855.02       47.77294  (21121907)
        488511.35   3614843.68       47.17431  (21121907)                488490.64
3614832.34       46.54290  (21121907)
        488469.93   3614821.00       48.16876  (20011120)                488449.22
3614809.66       54.77894  (22051322)
        488421.94   3614775.64       71.30133  (22051322)                488415.36
3614752.97       78.57440  (22051322)
        488408.78   3614730.29       86.11638  (21120902)                488402.21
3614707.62      105.20280  (21120902)
        488395.63   3614684.94      121.89515  (21120902)                488389.05
3614662.27      133.44489  (21120902)
        488382.48   3614639.59      137.69839  (21120902)                488375.90
3614616.92      168.44182  (20050622)
        488369.32   3614594.24      201.21782  (20050622)                488362.74
3614571.57      223.12216  (20050622)
        488356.17   3614548.89      229.21603  (20050622)                488349.59
3614526.22      217.92607  (20050622)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE 191
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
488343.01	3614503.54	207.57554	(20070524)	488336.44	3614480.87	226.54007	(20070524)
488329.86	3614458.19	228.88962	(20070524)	488323.28	3614435.52	214.10587	(20070524)
488316.71	3614412.84	185.61310	(20070524)	488310.13	3614390.17	149.49871	(20070524)
488303.55	3614367.49	185.45825	(20052402)	488296.97	3614344.82	218.85941	(20052402)
488290.40	3614322.14	239.28840	(20052402)	488283.82	3614299.47	242.49533	(20052402)
488277.24	3614276.79	229.37385	(22010220)	488270.67	3614254.12	282.50463	(22010220)
488264.09	3614231.44	316.95500	(22010220)	488966.93	3615093.14	103.84709	(20012102)
488990.97	3615095.73	124.27214	(20012102)	489015.00	3615098.32	138.09490	(20012102)
489039.04	3615100.91	144.61827	(20012102)	488924.49	3615280.48	76.08985	(20012102)
488903.46	3615268.96	62.77485	(20012102)	488882.43	3615257.45	58.18347	(20010718)
488861.40	3615245.93	79.93688	(20010718)	488840.36	3615234.41	105.82048	(20010718)
488819.33	3615222.90	133.53628	(20010718)	488798.30	3615211.38	159.60198	(20010718)
488777.27	3615199.86	180.04853	(20010718)	488756.24	3615188.35	191.25121	(20010718)
488735.21	3615176.83	191.00030	(20010718)	488714.17	3615165.31	176.96412	(20010718)
488693.14	3615153.80	154.01991	(20010718)	488672.11	3615142.28	128.00793	(20010718)
488651.08	3615130.76	100.55520	(20010718)	488630.05	3615119.25	75.16200	(20010718)
488609.01	3615107.73	54.08201	(20010718)	488587.98	3615096.21	38.21049	(20010718)
488566.95	3615084.70	37.41123	(21121907)	488545.92	3615073.18	37.23962	(21121907)
488524.89	3615061.66	37.03928	(21121907)	488503.86	3615050.15	36.81086	(21121907)
488482.82	3615038.63	36.55605	(21121907)	488461.79	3615027.11	36.27641	(21121907)

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        488440.76   3615015.60       35.97260  (21121907)               488419.73
3615004.08       38.19802  (20100408)
        488398.70   3614992.56       39.20173  (20100408)               488377.66
3614981.05       38.68042  (20100408)
        488356.63   3614969.53       36.73538  (20100408)               488335.60
3614958.01       34.94096  (20011120)
        488314.57   3614946.50       36.16398  (20011120)               488293.54
3614934.98       38.80489  (22051322)
        488265.83   3614900.43       50.39863  (22051322)               488259.15
3614877.41       56.13871  (22051322)
        488252.47   3614854.38       60.64966  (22051322)               488245.79
3614831.35       64.31840  (21120902)
        488239.11   3614808.32       77.45514  (21120902)               488232.43
3614785.29       89.49743  (21120902)
        488225.75   3614762.26       98.95323  (21120902)               488219.07
3614739.23      104.48816  (21120902)
        488212.39   3614716.20      105.22882  (21120902)               488205.71
3614693.17      128.67163  (20050622)
        488199.03   3614670.14      151.46154  (20050622)               488192.35
3614647.11      168.16424  (20050622)
        488185.67   3614624.08      175.84362  (20050622)               488178.99
3614601.05      173.00567  (20050622)
        488172.31   3614578.02      160.06645  (20050622)               488165.63
3614554.99      160.43228  (20070524)
        488158.95   3614531.96      173.22308  (20070524)               488152.27
3614508.94      176.04427  (20070524)
        488145.59   3614485.91      168.35990  (20070524)               488138.91
3614462.88      151.59504  (20070524)
        488132.23   3614439.85      128.67979  (20070524)               488125.55
3614416.82      114.04519  (22011806)
        488118.87   3614393.79      137.57961  (20052402)               488112.19
3614370.76      161.68580  (20052402)
        488105.51   3614347.73      178.91613  (20052402)               488098.83
3614324.70      186.39015  (20052402)
        488092.15   3614301.67      182.92224  (20052402)               488085.47
3614278.64      177.15758  (22010220)
        488078.79   3614255.61      213.50637  (22010220)               488072.11
3614232.58      239.15197  (22010220)
        488065.43   3614209.55      249.31134  (22010220)               488945.52
3615292.00       88.26308  (20012102)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                  PAGE 192
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
488969.56	3615294.58	99.76218	(20012102)	488993.60	3615297.17	107.42921	(20012102)
489017.64	3615299.76	110.14805	(20012102)	488903.41	3615479.51	67.46723	(20012102)
488882.70	3615468.17	58.74299	(20012102)	488861.99	3615456.83	49.44368	(20012102)
488841.29	3615445.49	40.27560	(20012102)	488820.58	3615434.15	47.84890	(20010718)
488799.87	3615422.81	63.25739	(20010718)	488779.16	3615411.47	81.17787	(20010718)
488758.45	3615400.13	100.43080	(20010718)	488737.74	3615388.79	119.25628	(20010718)
488717.04	3615377.45	135.51628	(20010718)	488696.33	3615366.11	147.09828	(20010718)
488675.62	3615354.77	152.32056	(20010718)	488654.91	3615343.43	150.40645	(20010718)
488634.20	3615332.10	141.59365	(20010718)	488613.49	3615320.76	126.14559	(20010718)
488592.79	3615309.42	106.59209	(20010718)	488572.08	3615298.08	87.37505	(20010718)
488551.37	3615286.74	68.76285	(20010718)	488530.66	3615275.40	52.27491	(20010718)
488509.95	3615264.06	38.77199	(20010718)	488489.25	3615252.72	29.05599	(21121907)
488468.54	3615241.38	28.96903	(21121907)	488447.83	3615230.04	28.86577	(21121907)
488427.12	3615218.70	28.74659	(21121907)	488406.41	3615207.36	28.61194	(21121907)
488385.70	3615196.02	28.46233	(21121907)	488365.00	3615184.68	28.29853	(21121907)
488344.29	3615173.34	28.12067	(21121907)	488323.58	3615162.00	29.58763	(20100408)
488302.87	3615150.66	32.21083	(20100408)	488282.16	3615139.32	33.97716	(20100408)
488261.45	3615127.98	34.74953	(20100408)	488240.75	3615116.65	34.48173	(20100408)
488220.04	3615105.31	33.22079	(20100408)	488199.33	3615093.97	31.09725	(20100408)

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        488178.62   3615082.63       28.30400  (20100408)                488157.91
3615071.29       28.46738  (20011120)
        488137.20   3615059.95       29.02509  (22051322)                488109.92
3615025.93       37.21906  (22051322)
        488103.34   3615003.26       41.55715  (22051322)                488096.77
3614980.58       45.38614  (22051322)
        488090.19   3614957.91       48.36568  (22051322)                488083.61
3614935.23       50.20614  (22051322)
        488077.03   3614912.56       58.16299  (21120902)                488070.46
3614889.88       67.09196  (21120902)
        488063.88   3614867.21       74.84893  (21120902)                488057.30
3614844.53       80.64162  (21120902)
        488050.73   3614821.86       83.80698  (21120902)                488044.15
3614799.18       83.94825  (21120902)
        488037.57   3614776.51       96.56019  (20050622)                488031.00
3614753.83      113.56019  (20050622)
        488024.42   3614731.16      127.69569  (20050622)                488017.84
3614708.48      137.14548  (20050622)
        488011.26   3614685.81      140.57447  (20050622)                488004.69
3614663.13      137.47033  (20050622)
        487998.11   3614640.46      128.27379  (20050622)                487991.53
3614617.78      122.20979  (20070524)
        487984.96   3614595.11      133.94044  (20070524)                487978.38
3614572.43      140.08645  (20070524)
        487971.80   3614549.76      139.77455  (20070524)                487965.23
3614527.08      133.06267  (20070524)
        487958.65   3614504.41      120.91225  (20070524)                487952.07
3614481.73      104.95871  (20070524)
        487945.50   3614459.06       89.06604  (22123023)                487938.92
3614436.38       95.30438  (22011806)
        487932.34   3614413.71      111.71097  (20052402)                487925.76
3614391.03      128.56134  (20052402)
        487919.19   3614368.36      141.23635  (20052402)                487912.61
3614345.68      148.12791  (20052402)
        487906.03   3614323.01      148.36795  (20052402)                487899.46
3614300.33      142.02741  (20052402)
        487892.88   3614277.66      145.66380  (22010220)                487886.30
3614254.98      170.98888  (22010220)
        487879.73   3614232.31      189.68218  (22010220)                487873.15
3614209.63      199.05244  (22010220)
        487866.57   3614186.96      197.81960  (22010220)                488924.12
3615490.85       74.90328  (20012102)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE 193
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
488948.16	3615493.43	81.66599	(20012102)	488972.19	3615496.02	85.69407	(20012102)
488996.23	3615498.61	86.49733	(20012102)	489020.27	3615501.20	96.60173	(22011619)
488881.78	3615678.23	59.22542	(20012102)	488860.84	3615666.77	53.26432	(20012102)
488839.90	3615655.30	46.56780	(20012102)	488818.96	3615643.84	39.58495	(20012102)
488798.02	3615632.37	32.95663	(20050120)	488777.08	3615620.91	31.53064	(20010718)
488756.15	3615609.44	41.34569	(20010718)	488735.21	3615597.98	53.23872	(20010718)
488714.27	3615586.51	66.79569	(20010718)	488693.33	3615575.04	81.24518	(20010718)
488672.39	3615563.58	95.47599	(20010718)	488651.45	3615552.11	108.15249	(20010718)
488630.51	3615540.65	117.91275	(20010718)	488609.58	3615529.18	123.60046	(20010718)
488588.64	3615517.72	124.50243	(20010718)	488567.70	3615506.25	120.47898	(20010718)
488546.76	3615494.79	112.00559	(20010718)	488525.82	3615483.32	100.07029	(20010718)
488504.88	3615471.86	85.14868	(20010718)	488483.95	3615460.39	69.99998	(20010718)
488463.01	3615448.92	56.05292	(20010718)	488442.07	3615437.46	43.59277	(20010718)
488421.13	3615425.99	33.16751	(20010718)	488400.19	3615414.53	24.96215	(20010718)
488379.25	3615403.06	23.23369	(21121907)	488358.32	3615391.60	23.16956	(21121907)
488337.38	3615380.13	23.09540	(21121907)	488316.44	3615368.67	23.01116	(21121907)
488295.50	3615357.20	22.91750	(21121907)	488274.56	3615345.74	22.81429	(21121907)
488253.62	3615334.27	22.70221	(21121907)	488232.69	3615322.80	22.58155	(21121907)

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        488211.75   3615311.34       24.12323  (20100408)                488190.81
3615299.87       26.78396  (20100408)
        488169.87   3615288.41       28.94989  (20100408)                488148.93
3615276.94       30.47676  (20100408)
        488127.99   3615265.48       31.26288  (20100408)                488107.06
3615254.01       31.26336  (20100408)
        488086.12   3615242.55       30.49035  (20100408)                488065.18
3615231.08       29.02001  (20100408)
        488044.24   3615219.62       26.97424  (20100408)                488023.30
3615208.15       24.49628  (20100408)
        488002.36   3615196.68       23.12498  (20011120)                487981.43
3615185.22       23.33607  (20011120)
        487953.84   3615150.83       28.55841  (22051322)                487947.19
3615127.90       31.92534  (22051322)
        487940.54   3615104.97       35.06569  (22051322)                487933.89
3615082.05       37.78673  (22051322)
        487927.24   3615059.12       39.87156  (22051322)                487920.59
3615036.19       41.13329  (22051322)
        487913.94   3615013.26       46.28337  (21120902)                487907.29
3614990.34       53.15833  (21120902)
        487900.64   3614967.41       59.38380  (21120902)                487893.99
3614944.48       64.43800  (21120902)
        487887.34   3614921.56       67.85374  (21120902)                487880.69
3614898.63       69.29051  (21120902)
        487874.04   3614875.70       68.58190  (21120902)                487867.39
3614852.78       79.12307  (20050622)
        487860.74   3614829.85       92.08277  (20050622)                487854.09
3614806.92      103.21919  (20050622)
        487847.44   3614783.99      111.33252  (20050622)                487840.79
3614761.07      115.47062  (20050622)
        487834.14   3614738.14      115.11760  (20050622)                487827.49
3614715.21      110.28894  (20050622)
        487820.84   3614692.29      101.54652  (20050622)                487814.19
3614669.36      101.60059  (20070524)
        487807.54   3614646.43      110.35029  (20070524)                487800.89
3614623.51      115.21741  (20070524)
        487794.24   3614600.58      115.62689  (20070524)                487787.59
3614577.65      111.53167  (20070524)
        487780.94   3614554.72      103.43127  (20070524)                487774.29
3614531.80       92.27331  (20070524)
        487767.64   3614508.87       79.65287  (22123023)                487760.99
3614485.94       68.78930  (22072204)
        487754.34   3614463.02       77.55664  (22011806)                487747.69
3614440.09       89.09746  (20052402)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
487741.04	3614417.16	102.35976	(20052402)	487734.39	3614394.24	113.08767	(20052402)
487727.74	3614371.31	120.14595	(20052402)	487721.09	3614348.38	122.77435	(20052402)
487714.44	3614325.45	120.73417	(20052402)	487707.79	3614302.53	114.32874	(20052402)
487701.14	3614279.60	119.53982	(22010220)	487694.49	3614256.67	138.92460	(22010220)
487687.84	3614233.75	153.95856	(22010220)	487681.19	3614210.82	162.82269	(22010220)
487674.54	3614187.89	164.45235	(22010220)	487667.89	3614164.96	158.77299	(22010220)
488902.71	3615689.70	64.02544	(20012102)	488926.75	3615692.29	68.13665	(20012102)
488950.79	3615694.87	70.26627	(20012102)	488974.83	3615697.46	70.20565	(20012102)
488860.19	3615876.99	52.08082	(20012102)	488839.08	3615865.43	47.94610	(20012102)
488817.97	3615853.86	43.09380	(20012102)	488796.85	3615842.30	37.80930	(20012102)
488775.74	3615830.74	32.39430	(20012102)	488754.62	3615819.18	27.76293	(20050120)
488733.51	3615807.62	26.16301	(20050120)	488712.39	3615796.06	28.19605	(20010718)
488691.28	3615784.49	36.16768	(20010718)	488670.17	3615772.93	45.58999	(20010718)
488649.05	3615761.37	56.17767	(20010718)	488627.94	3615749.81	67.39185	(20010718)
488606.82	3615738.25	78.49597	(20010718)	488585.71	3615726.68	88.62435	(20010718)
488564.59	3615715.12	96.83815	(20010718)	488543.48	3615703.56	102.33471	(20010718)
488522.37	3615692.00	104.52570	(20010718)	488501.25	3615680.44	103.16338	(20010718)

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        488480.14   3615668.88       98.38176  (20010718)                488459.02
3615657.31       90.66402  (20010718)
        488437.91   3615645.75       80.78671  (20010718)                488416.79
3615634.19       69.59384  (20010718)
        488395.68   3615622.63       57.46209  (20010718)                488374.56
3615611.07       46.54410  (20010718)
        488353.45   3615599.51       36.85886  (20010718)                488332.34
3615587.94       28.62967  (20010718)
        488311.22   3615576.38       21.99298  (20010718)                488290.11
3615564.82       19.11717  (21121907)
        488268.99   3615553.26       19.07503  (21121907)                488247.88
3615541.70       19.02628  (21121907)
        488226.76   3615530.13       18.97098  (21121907)                488205.65
3615518.57       18.90917  (21121907)
        488184.54   3615507.01       18.83742  (21121907)                488163.42
3615495.45       18.74497  (21121907)
        488142.31   3615483.89       18.65402  (21121907)                488121.19
3615472.33       18.56447  (21121907)
        488100.08   3615460.76       19.81426  (20100408)                488078.96
3615449.20       22.29560  (20100408)
        488057.85   3615437.64       24.51188  (20100408)                488036.74
3615426.08       26.34141  (20100408)
        488015.62   3615414.52       27.66045  (20100408)                487994.51
3615402.95       28.41905  (20100408)
        487973.39   3615391.39       28.57758  (20100408)                487952.28
3615379.83       28.12907  (20100408)
        487931.16   3615368.27       27.11223  (20100408)                487910.05
3615356.71       25.60018  (20100408)
        487888.94   3615345.15       23.69005  (20100408)                487867.82
3615333.58       21.49290  (20100408)
        487846.71   3615322.02       19.25549  (20011120)                487825.59
3615310.46       19.84908  (21122509)
        487797.77   3615275.78       22.52159  (22051322)                487791.07
3615252.66       25.17865  (22051322)
        487784.36   3615229.54       27.76427  (22051322)                487777.65
3615206.42       30.13500  (22051322)
        487770.95   3615183.30       32.14299  (22051322)                487764.24
3615160.18       33.65093  (22051322)
        487757.54   3615137.06       34.54629  (22051322)                487750.83
3615113.94       37.81998  (21120902)
        487744.13   3615090.82       43.25577  (21120902)                487737.42
3615067.70       48.31388  (21120902)
        487730.71   3615044.58       52.64846  (21120902)                487724.01
3615021.46       55.92808  (21120902)
        487717.30   3614998.34       57.88836  (21120902)                487710.60
3614975.22       58.35357  (21120902)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
487703.89	3614952.10	57.26035	(21120902)	487697.18	3614928.98	66.28317	(20050622)
487690.48	3614905.86	76.46700	(20050622)	487683.77	3614882.74	85.42897	(20050622)
487677.07	3614859.62	92.35063	(20050622)	487670.36	3614836.50	96.54720	(20050622)
487663.65	3614813.39	97.57530	(20050622)	487656.95	3614790.27	95.31430	(20050622)
487650.24	3614767.15	89.98078	(20050622)	487643.54	3614744.03	82.10619	(20050622)
487636.83	3614720.91	86.10509	(20070524)	487630.12	3614697.79	92.86441	(20070524)
487623.42	3614674.67	96.82451	(20070524)	487616.71	3614651.55	97.58004	(20070524)
487610.01	3614628.43	95.05712	(20070524)	487603.30	3614605.31	89.51997	(20070524)
487596.59	3614582.19	81.53132	(20070524)	487589.89	3614559.07	71.85598	(20070524)
487583.18	3614535.95	63.17346	(22123023)	487576.48	3614512.83	57.94462	(22072204)
487569.77	3614489.71	64.52346	(22011806)	487563.06	3614466.59	73.16687	(22011806)
487556.36	3614443.47	83.45914	(20052402)	487549.65	3614420.35	92.55089	(20052402)
487542.95	3614397.23	99.25323	(20052402)	487536.24	3614374.11	102.94119	(20052402)
487529.54	3614350.99	103.28279	(20052402)	487522.83	3614327.87	100.28245	(20052402)
487516.12	3614304.75	94.27857	(20052402)	487509.42	3614281.63	100.26285	(22010220)
487502.71	3614258.51	115.59577	(22010220)	487496.01	3614235.39	127.96498	(22010220)

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        487489.30   3614212.27      136.07812  (22010220)                487482.59
3614189.15      139.09029  (22010220)
        487475.89   3614166.03      136.74595  (22010220)                487469.18
3614142.91      129.40648  (22010220)
        488881.31   3615888.55       55.23363  (20012102)                488905.35
3615891.14       57.79080  (20012102)
        488929.38   3615893.72       58.88969  (20012102)                488953.42
3615896.31       58.42138  (20012102)
        488977.46   3615898.90       64.87725  (22011619)                488839.02
3616075.96       46.07319  (20012102)
        488818.13   3616064.53       43.24231  (20012102)                488797.24
3616053.09       39.77277  (20012102)
        488776.36   3616041.65       35.85915  (20012102)                488755.47
3616030.22       31.68024  (20012102)
        488734.58   3616018.78       27.43193  (20012102)                488713.70
3616007.34       23.91185  (20050120)
        488692.81   3615995.90       22.71934  (20050120)                488671.92
3615984.47       21.28335  (20050120)
        488651.04   3615973.03       24.34728  (20010718)                488630.15
3615961.59       30.64242  (20010718)
        488609.26   3615950.15       37.96877  (20010718)                488588.37
3615938.72       46.15319  (20010718)
        488567.49   3615927.28       54.87204  (20010718)                488546.60
3615915.84       63.67530  (20010718)
        488525.71   3615904.41       71.99787  (20010718)                488504.83
3615892.97       79.21462  (20010718)
        488483.94   3615881.53       84.75966  (20010718)                488463.05
3615870.09       88.19314  (20010718)
        488442.17   3615858.66       89.19705  (20010718)                488421.28
3615847.22       87.63367  (20010718)
        488400.39   3615835.78       83.67035  (20010718)                488379.51
3615824.35       77.62125  (20010718)
        488358.62   3615812.91       69.99256  (20010718)                488337.73
3615801.47       61.39719  (20010718)
        488316.85   3615790.03       52.42734  (20010718)                488295.96
3615778.60       43.63060  (20010718)
        488275.07   3615767.16       35.24441  (20010718)                488254.19
3615755.72       28.07909  (20010718)
        488233.30   3615744.28       22.13467  (20010718)                488212.41
3615732.85       17.33856  (20010718)
        488191.53   3615721.41       16.01267  (21121907)                488170.64
3615709.97       15.98247  (21121907)
        488149.75   3615698.54       15.94770  (21121907)                488128.87
3615687.10       15.90598  (21121907)
        488107.98   3615675.66       15.85714  (21121907)                488087.09
3615664.22       15.76520  (21121907)
        488066.21   3615652.79       15.71097  (21121907)                488045.32
3615641.35       15.65554  (21121907)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
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                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF VARIOUS IN MICROGRAMS/M**3 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
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        487562.23   3615126.73       46.21377  (21120902)              487555.60
3615103.86       48.52959  (21120902)
        487548.96   3615080.98       49.84887  (21120902)              487542.33
3615058.11       50.06851  (21120902)
        487535.70   3615035.24       49.16318  (21120902)              487529.06
3615012.37       53.90721  (20050622)
        487522.43   3614989.50       62.12346  (20050622)              487515.80
3614966.63       69.70709  (20050622)
        487509.16   3614943.76       76.10343  (20050622)              487502.53
3614920.89       80.79978  (20050622)
        487495.90   3614898.02       83.39532  (20050622)              487489.26
3614875.15       83.65441  (20050622)
        487482.63   3614852.28       81.54505  (20050622)              487475.99
3614829.41       77.24025  (20050622)
        487469.36   3614806.54       71.10150  (20050622)              487462.73
3614783.67       71.03900  (20070524)
        487456.09   3614760.80       77.17661  (20070524)              487449.46
3614737.93       81.50433  (20070524)
        487442.83   3614715.06       83.65568  (20070524)              487436.19
3614692.19       83.44378  (20070524)
        487429.56   3614669.32       80.89113  (20070524)              487422.92
3614646.44       76.21888  (20070524)
        487416.29   3614623.57       69.82883  (20070524)              487409.66
3614600.70       62.23036  (20070524)
        487403.02   3614577.83       55.53838  (22123023)              487396.39
3614554.96       48.96577  (22072204)
        487389.76   3614532.09       49.84255  (22072204)              487383.12
3614509.22       56.91743  (22011806)
        487376.49   3614486.35       63.58018  (22011806)              487369.86
3614463.48       71.61964  (20052402)
        487363.22   3614440.61       78.84859  (20052402)              487356.59
3614417.74       84.39977  (20052402)
        487349.95   3614394.87       87.83771  (20052402)              487343.32
3614372.00       88.89703  (20052402)
        487336.69   3614349.13       87.51287  (20052402)              487330.05
3614326.26       83.82740  (20052402)
        487323.42   3614303.39       78.74932  (20051603)              487316.79
3614280.52       87.27682  (22010220)
        487310.15   3614257.65       99.28531  (22010220)              487303.52
3614234.77      109.16480  (22010220)
        487296.89   3614211.90      116.03862  (22010220)              487290.25
3614189.03      119.30328  (22010220)
        487283.62   3614166.16      118.70061  (22010220)              487276.98
3614143.29      114.34890  (22010220)
        487270.35   3614120.42      106.72047  (22010220)              488859.90
3616087.40       48.12804  (20012102)
        488883.94   3616089.99       49.72040  (20012102)              488907.98
3616092.58       50.21361  (20012102)
        488932.02   3616095.16       49.77408  (22011619)              488795.94
3616473.52       36.59192  (20012102)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
488774.79	3616461.94	35.15182	(20012102)	488753.64	3616450.36	33.24276	(20012102)
488732.48	3616438.77	30.95614	(20012102)	488711.33	3616427.19	28.36537	(20012102)
488690.18	3616415.61	25.59953	(20012102)	488669.03	3616404.03	22.73809	(20012102)
488647.88	3616392.44	19.88518	(20012102)	488626.72	3616380.86	18.31430	(20050120)
488605.57	3616369.28	17.54532	(20050120)	488584.42	3616357.70	16.61686	(20050120)
488563.27	3616346.11	15.61400	(22040907)	488542.12	3616334.53	16.26458	(20010718)
488520.96	3616322.95	20.07235	(20010718)	488499.81	3616311.37	24.51631	(20010718)
488478.66	3616299.78	29.54084	(20010718)	488457.51	3616288.20	35.08983	(20010718)
488436.36	3616276.62	40.97625	(20010718)	488415.20	3616265.04	46.95609	(20010718)
488394.05	3616253.45	52.73017	(20010718)	488372.90	3616241.87	57.97119	(20010718)
488351.75	3616230.29	62.36513	(20010718)	488330.60	3616218.71	65.62328	(20010718)
488309.44	3616207.13	67.52155	(20010718)	488288.29	3616195.54	67.91849	(20010718)
488267.14	3616183.96	66.76391	(20010718)	488245.99	3616172.38	64.14383	(20010718)
488224.84	3616160.80	60.24280	(20010718)	488203.68	3616149.21	55.33084	(20010718)

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        488182.53   3616137.63       49.73405  (20010718)               488161.38
3616126.05       43.75707  (20010718)
        488140.23   3616114.47       37.69893  (20010718)               488119.08
3616102.88       31.87114  (20010718)
        488097.92   3616091.30       26.47448  (20010718)               488076.77
3616079.72       21.60328  (20010718)
        488055.62   3616068.14       17.35089  (20010718)               488034.47
3616056.55       13.95628  (20010718)
        488013.32   3616044.97       11.80272  (21121907)               487992.16
3616033.39       11.78701  (21121907)
        487971.01   3616021.81       11.76900  (21121907)               487949.86
3616010.22       11.74875  (21121907)
        487928.71   3615998.64       11.72614  (21121907)               487907.56
3615987.06       11.70127  (21121907)
        487886.40   3615975.48       11.67411  (21121907)               487865.25
3615963.89       11.64489  (21121907)
        487844.10   3615952.31       11.61344  (21121907)               487822.95
3615940.73       11.57988  (21121907)
        487801.80   3615929.15       11.54424  (21121907)               487780.64
3615917.56       11.50659  (21121907)
        487759.49   3615905.98       12.05035  (20100408)               487738.34
3615894.40       13.74637  (20100408)
        487717.19   3615882.82       15.44222  (20100408)               487696.04
3615871.23       17.08471  (20100408)
        487674.88   3615859.65       18.60610  (20100408)               487653.73
3615848.07       19.96759  (20100408)
        487632.58   3615836.49       21.11595  (20100408)               487611.43
3615824.90       22.00405  (20100408)
        487590.28   3615813.32       22.59763  (20100408)               487569.12
3615801.74       22.87585  (20100408)
        487547.97   3615790.16       22.83097  (20100408)               487526.82
3615778.57       22.46917  (20100408)
        487505.67   3615766.99       21.80978  (20100408)               487484.52
3615755.41       20.88353  (20100408)
        487463.36   3615743.83       19.72990  (20100408)               487442.21
3615732.24       18.39555  (20100408)
        487421.06   3615720.66       16.93062  (20100408)               487399.91
3615709.08       15.38502  (20100408)
        487378.76   3615697.50       15.21798  (21122509)               487357.60
3615685.92       15.77970  (21122509)
        487329.73   3615651.17       16.48165  (21122509)               487323.02
3615628.01       16.60045  (21122509)
        487316.30   3615604.85       16.52048  (21122509)               487309.58
3615581.69       16.65599  (22051322)
        487302.86   3615558.53       18.03074  (22051322)               487296.14
3615535.37       19.30972  (22051322)
        487289.43   3615512.21       20.44007  (22051322)               487282.71
3615489.05       21.37163  (22051322)
        487275.99   3615465.88       22.05990  (22051322)               487269.27
3615442.72       22.46918  (22051322)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
487249.12	3615373.24	28.29309	(21120902)	487242.40	3615350.08	31.06313	(21120902)
487235.68	3615326.92	33.55118	(21120902)	487228.97	3615303.76	35.63448	(21120902)
487222.25	3615280.60	37.20325	(21120902)	487215.53	3615257.44	38.16890	(21120902)
487208.81	3615234.27	38.47322	(21120902)	487202.09	3615211.11	38.09341	(21120902)
487195.38	3615187.95	37.04630	(21120902)	487188.66	3615164.79	40.94172	(20050622)
487181.94	3615141.63	46.58223	(20050622)	487175.22	3615118.47	51.89784	(20050622)
487168.50	3615095.31	56.58853	(20050622)	487161.79	3615072.15	60.36562	(20050622)
487155.07	3615048.99	62.98145	(20050622)	487148.35	3615025.83	64.25475	(20050622)
487141.63	3615002.66	64.09220	(20050622)	487134.91	3614979.50	62.49972	(20050622)
487128.20	3614956.34	59.58355	(20050622)	487121.48	3614933.18	55.53472	(20050622)
487114.76	3614910.02	50.61308	(20050622)	487108.04	3614886.86	55.16570	(20070524)
487101.33	3614863.70	59.27206	(20070524)	487094.61	3614840.54	62.27620	(20070524)
487087.89	3614817.38	63.97683	(20070524)	487081.17	3614794.22	64.25770	(20070524)

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        487074.45   3614771.06       63.10049  (20070524)                487067.74
3614747.89       60.58636  (20070524)
        487061.02   3614724.73       56.88786  (20070524)                487054.30
3614701.57       52.24790  (20070524)
        487047.58   3614678.41       47.07337  (22123023)                487040.86
3614655.25       42.87286  (22123023)
        487034.15   3614632.09       38.24431  (22123023)                487027.43
3614608.93       37.64297  (22072204)
        487020.71   3614585.77       38.02349  (22072204)                487013.99
3614562.61       42.40881  (22011806)
        487007.27   3614539.45       47.09764  (22011806)                487000.56
3614516.28       51.70386  (20052402)
        486993.84   3614493.12       57.12512  (20052402)                486987.12
3614469.96       61.73402  (20052402)
        486980.40   3614446.80       65.25103  (20052402)                486973.68
3614423.64       67.45752  (20052402)
        486966.97   3614400.48       68.21884  (20052402)                486960.25
3614377.32       67.49618  (20052402)
        486953.53   3614354.16       65.35170  (20052402)                486946.81
3614331.00       61.93860  (20052402)
        486940.10   3614307.84       60.08330  (20051603)                486933.38
3614284.67       65.83050  (22010220)
        486926.66   3614261.51       74.21942  (22010220)                486919.94
3614238.35       81.45983  (22010220)
        486913.22   3614215.19       87.05519  (22010220)                486906.51
3614192.03       90.61270  (22010220)
        486899.79   3614168.87       91.88698  (22010220)                486893.07
3614145.71       90.81109  (22010220)
        486886.35   3614122.55       87.49877  (22010220)                486879.63
3614099.39       82.22670  (22010220)
        486872.92   3614076.23       75.39728  (22010220)                488817.09
3616485.10       37.49739  (20012102)
        488841.13   3616487.69       38.09281  (20012102)                488865.17
3616490.28       38.02833  (20012102)
        488889.21   3616492.87       37.77941  (22011619)                488913.24
3616495.45       41.29648  (22011619)
        488753.20   3616871.26       29.76947  (20012102)                488732.12
3616859.72       29.05277  (20012102)
        488711.03   3616848.17       28.00643  (20012102)                488689.95
3616836.63       26.66527  (20012102)
        488668.87   3616825.08       25.07555  (20012102)                488647.79
3616813.54       23.28666  (20012102)
        488626.70   3616802.00       21.35387  (20012102)                488605.62
3616790.45       19.33764  (20012102)
        488584.54   3616778.91       17.29626  (20012102)                488563.46
3616767.36       15.28333  (20012102)
        488542.37   3616755.82       14.66580  (20050120)                488521.29
3616744.27       14.14982  (20050120)
        488500.21   3616732.73       13.62192  (22122909)                488479.13
3616721.18       13.80190  (22040907)
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
488373.71	3616663.46	19.35598	(20010718)	488352.63	3616651.92	22.92630	(20010718)
488331.55	3616640.37	26.82330	(20010718)	488310.47	3616628.83	30.95073	(20010718)
488289.38	3616617.29	35.18465	(20010718)	488268.30	3616605.74	39.36871	(20010718)
488247.22	3616594.20	43.33597	(20010718)	488226.14	3616582.65	46.89763	(20010718)
488205.05	3616571.11	49.87946	(20010718)	488183.97	3616559.56	52.12162	(20010718)
488162.89	3616548.02	53.50372	(20010718)	488141.81	3616536.47	53.94198	(20010718)
488120.72	3616524.93	53.41462	(20010718)	488099.64	3616513.39	51.94150	(20010718)
488078.56	3616501.84	49.60740	(20010718)	488057.48	3616490.30	46.53705	(20010718)
488036.39	3616478.75	42.88679	(20010718)	488015.31	3616467.21	38.84381	(20010718)
487994.23	3616455.66	34.58934	(20010718)	487973.15	3616444.12	30.29959	(20010718)
487952.06	3616432.58	26.13128	(20010718)	487930.98	3616421.03	22.21825	(20010718)
487909.90	3616409.49	18.65846	(20010718)	487888.82	3616397.94	15.50597	(20010718)

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        487867.73   3616386.40       12.79011  (20010718)               487846.65
3616374.85       10.51263  (20010718)
        487825.57   3616363.31        9.39839  (21121907)               487804.49
3616351.76        9.38853  (21121907)
        487783.40   3616340.22        9.37720  (21121907)               487762.32
3616328.68        9.36577  (21121907)
        487741.24   3616317.13        9.34513  (21121907)               487720.16
3616305.59        9.16640  (21121907)
        487699.07   3616294.04        9.06186  (21121907)               487677.99
3616282.50        9.04459  (21121907)
        487656.91   3616270.95        9.02613  (21121907)               487635.83
3616259.41        9.00640  (21121907)
        487614.74   3616247.87        8.98221  (21121907)               487593.66
3616236.32        8.94829  (21121907)
        487572.58   3616224.78        8.92290  (21121907)               487551.50
3616213.23        8.89859  (21121907)
        487530.41   3616201.69        9.13524  (20100408)               487509.33
3616190.14       10.42923  (20100408)
        487488.25   3616178.60       11.76239  (20100408)               487467.17
3616167.05       13.10633  (20100408)
        487446.08   3616155.51       14.42798  (20100408)               487425.00
3616143.97       15.69222  (20100408)
        487403.92   3616132.42       16.86454  (20100408)               487382.84
3616120.88       17.90997  (20100408)
        487361.75   3616109.33       18.79804  (20100408)               487340.67
3616097.79       19.50063  (20100408)
        487319.59   3616086.24       19.99734  (20100408)               487298.51
3616074.70       20.27339  (20100408)
        487277.42   3616063.15       20.32215  (20100408)               487256.34
3616051.61       20.14444  (20100408)
        487235.26   3616040.07       19.74888  (20100408)               487214.18
3616028.52       19.15072  (20100408)
        487193.09   3616016.98       18.37137  (20100408)               487172.01
3616005.43       17.43716  (20100408)
        487150.93   3615993.89       16.37786  (20100408)               487129.85
3615982.34       15.22423  (20100408)
        487108.76   3615970.80       14.00829  (20100408)               487087.68
3615959.26       12.91992  (21122509)
        487066.60   3615947.71       13.48953  (21122509)               487045.52
3615936.17       13.95160  (21122509)
        487017.74   3615901.54       14.59047  (21122509)               487011.04
3615878.45       14.75253  (21122509)
        487004.35   3615855.37       14.77551  (21122509)               486997.65
3615832.28       14.65687  (21122509)
        486990.95   3615809.20       14.39828  (21122509)               486984.26
3615786.11       14.00547  (21122509)
        486977.56   3615763.03       14.85708  (22051322)               486970.87
3615739.94       15.72013  (22051322)
        486964.17   3615716.86       16.47389  (22051322)               486957.48
3615693.77       17.09119  (22051322)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
486910.60	3615532.18	24.95678	(21120902)	486903.91	3615509.09	26.73255	(21120902)
486897.21	3615486.01	28.25247	(21120902)	486890.52	3615462.93	29.45329	(21120902)
486883.82	3615439.84	30.28228	(21120902)	486877.13	3615416.76	30.69991	(21120902)
486870.43	3615393.67	30.68495	(21120902)	486863.73	3615370.59	30.23509	(21120902)
486857.04	3615347.50	29.36774	(21120902)	486850.34	3615324.42	30.99984	(20050622)
486843.65	3615301.33	35.06447	(20050622)	486836.95	3615278.25	39.00991	(20050622)
486830.25	3615255.16	42.67075	(20050622)	486823.56	3615232.08	45.87336	(20050622)
486816.86	3615208.99	48.46074	(20050622)	486810.17	3615185.91	50.29384	(20050622)
486803.47	3615162.82	51.27294	(20050622)	486796.78	3615139.74	51.34070	(20050622)
486790.08	3615116.65	50.49014	(20050622)	486783.38	3615093.57	48.76622	(20050622)
486776.69	3615070.48	46.25985	(20050622)	486769.99	3615047.40	43.10207	(20050622)

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        486763.30   3615024.31       39.45021  (20050622)               486756.60
3615001.23       42.76727  (20070524)
        486749.90   3614978.14       45.97591  (20070524)               486743.21
3614955.06       48.55363  (20070524)
        486736.51   3614931.97       50.36577  (20070524)               486729.82
3614908.89       51.31649  (20070524)
        486723.12   3614885.80       51.35434  (20070524)               486716.43
3614862.72       50.47497  (20070524)
        486709.73   3614839.63       48.73132  (20070524)               486703.03
3614816.55       46.21151  (20070524)
        486696.34   3614793.46       43.04107  (20070524)               486689.64
3614770.38       39.39549  (20070524)
        486682.95   3614747.29       36.37935  (22123023)               486676.25
3614724.21       33.24296  (22123023)
        486669.55   3614701.12       29.88023  (22123023)               486662.86
3614678.04       29.78589  (22072204)
        486656.16   3614654.96       30.24204  (22072204)               486649.47
3614631.87       30.61059  (22011806)
        486642.77   3614608.79       34.16722  (22011806)               486636.08
3614585.70       37.52239  (22011806)
        486629.38   3614562.62       40.52137  (22011806)               486622.68
3614539.53       44.33667  (20052402)
        486615.99   3614516.45       47.89092  (20052402)               486609.29
3614493.36       50.82640  (20052402)
        486602.60   3614470.28       52.99642  (20052402)               486595.90
3614447.19       54.29462  (20052402)
        486589.20   3614424.11       54.65743  (20052402)               486582.51
3614401.02       54.07342  (20052402)
        486575.81   3614377.94       52.58081  (20052402)               486569.12
3614354.85       50.26430  (20052402)
        486562.42   3614331.77       48.29811  (20051603)               486555.73
3614308.68       47.66474  (20051603)
        486549.03   3614285.60       52.70833  (22010220)               486542.33
3614262.51       58.75886  (22010220)
        486535.64   3614239.43       64.11757  (22010220)               486528.94
3614216.34       68.49760  (22010220)
        486522.25   3614193.26       71.65062  (22010220)               486515.55
3614170.17       73.40225  (22010220)
        486508.85   3614147.09       73.65979  (22010220)               486502.16
3614124.00       72.42534  (22010220)
        486495.46   3614100.92       69.79106  (22010220)               486488.77
3614077.83       65.92745  (22010220)
        486482.07   3614054.75       61.07058  (22010220)               486475.38
3614031.66       55.48912  (22010220)
        488774.28   3616882.81       30.13509  (20012102)               488798.32
3616885.39       30.28482  (20012102)
        488822.36   3616887.98       30.01910  (20012102)               488846.39
3616890.57       29.88389  (22011619)
        488870.43   3616893.16       32.40757  (22011619)               488710.44
3617268.99       51.21493  (21022221)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
488521.15	3617165.34	15.08693	(20012102)	488500.12	3617153.83	13.59889	(20012102)
488479.09	3617142.31	12.37412	(20050120)	488458.06	3617130.79	12.09086	(22122909)
488437.03	3617119.28	12.21526	(22122909)	488415.99	3617107.76	12.18863	(22122909)
488394.96	3617096.24	12.37060	(22040907)	488373.93	3617084.73	12.52585	(22040907)
488352.90	3617073.21	12.58763	(22040907)	488331.87	3617061.69	12.57529	(22040907)
488310.84	3617050.18	12.46475	(22040907)	488289.80	3617038.66	36.79142	(20061023)
488268.77	3617027.14	58.38217	(20061023)	488247.74	3617015.63	43.91027	(20061023)
488226.71	3617004.11	18.14773	(20010718)	488205.68	3616992.59	21.03549	(20010718)
488184.64	3616981.08	24.08145	(20010718)	488163.61	3616969.56	27.21258	(20010718)
488142.58	3616958.04	30.35586	(20010718)	488121.55	3616946.53	33.41362	(20010718)

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        488100.52   3616935.01       36.27208  (20010718)               488079.49
3616923.49       38.82015  (20010718)
        488058.45   3616911.98       40.95356  (20010718)               488037.42
3616900.46       42.58468  (20010718)
        488016.39   3616888.94       43.64273  (20010718)               487995.36
3616877.43       44.08309  (20010718)
        487974.33   3616865.91       43.87897  (20010718)               487953.29
3616854.39       43.02853  (20010718)
        487932.26   3616842.88       41.56516  (20010718)               487911.23
3616831.36       39.56822  (20010718)
        487890.20   3616819.84       37.09416  (20010718)               487869.17
3616808.33       34.29202  (20010718)
        487848.14   3616796.81       31.25995  (20010718)               487827.10
3616785.29       28.09118  (20010718)
        487806.07   3616773.78       24.90855  (20010718)               487785.04
3616762.26       21.80507  (20010718)
        487764.01   3616750.74       18.86135  (20010718)               487742.98
3616739.23       16.14102  (20010718)
        487721.94   3616727.71       13.68461  (20010718)               487700.91
3616716.19       11.51811  (20010718)
        487679.88   3616704.68        9.64829  (20010718)               487658.85
3616693.16        8.06286  (20010718)
        487637.82   3616681.64        7.42269  (21121907)               487616.78
3616670.13        7.33157  (21121907)
        487595.75   3616658.61        7.29873  (21121907)               487574.72
3616647.09        7.29020  (21121907)
        487553.69   3616635.58        7.36360  (22112609)               487532.66
3616624.06        7.50022  (22112609)
        487511.63   3616612.54        7.55075  (22112609)               487490.59
3616601.03        7.50425  (21112709)
        487469.56   3616589.51        7.51778  (21112709)               487448.53
3616577.99        7.50378  (21112709)
        487427.50   3616566.48        7.45134  (21112709)               487406.47
3616554.96        7.36149  (21112709)
        487385.43   3616543.44        7.23576  (21112709)               487364.40
3616531.93        7.16760  (21121907)
        487343.37   3616520.41        7.15153  (21121907)               487322.34
3616508.89        7.13477  (21121907)
        487301.31   3616497.38        7.11728  (21121907)               487280.28
3616485.86        8.10935  (20100408)
        487259.24   3616474.34        9.15793  (20100408)               487238.21
3616462.83       10.23932  (20100408)
        487217.18   3616451.31       11.33572  (20100408)               487196.15
3616439.79       12.42574  (20100408)
        487175.12   3616428.28       13.48631  (20100408)               487154.08
3616416.76       14.49486  (20100408)
        487133.05   3616405.24       15.42694  (20100408)               487112.02
3616393.73       16.26005  (20100408)
        487090.99   3616382.21       16.97413  (20100408)               487069.96
3616370.69       17.55102  (20100408)
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        487048.93   3616359.18       17.97622  (20100408)                487027.89
3616347.66       18.23987  (20100408)
        487006.86   3616336.14       18.33593  (20100408)                486985.83
3616324.63       18.26347  (20100408)
        486964.80   3616313.11       18.02618  (20100408)                486943.77
3616301.59       17.63208  (20100408)
        486922.73   3616290.08       17.09322  (20100408)                486901.70
3616278.56       16.42516  (20100408)
        486880.67   3616267.04       15.64601  (20100408)                486859.64
3616255.53       14.77605  (20100408)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE 202
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        486838.61   3616244.01       13.83588  (20100408)                486817.58
3616232.50       12.84738  (20100408)
        486796.54   3616220.98       11.83048  (20100408)                486775.51
3616209.46       11.67116  (21122509)
        486754.48   3616197.95       12.14881  (21122509)                486733.45
3616186.43       12.58831  (21122509)
        486705.74   3616151.88       13.17281  (21122509)                486699.06
3616128.85       13.35100  (21122509)
        486692.38   3616105.82       13.42706  (21122509)                486685.70
3616082.79       13.39802  (21122509)
        486679.02   3616059.77       13.26342  (21122509)                486672.34
3616036.74       13.02521  (21122509)
        486665.66   3616013.71       12.68793  (21122509)                486658.98
3615990.68       12.25851  (21122509)
        486652.30   3615967.65       12.51409  (22051322)                486645.62
3615944.62       13.12644  (22051322)
        486638.94   3615921.59       13.65749  (22051322)                486632.26
3615898.56       14.09089  (22051322)
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        486625.58   3615875.53       14.97875  (22030908)              486618.90
3615852.50       16.21645  (22030908)
        486612.22   3615829.47       17.38964  (22030908)              486605.54
3615806.44       18.46856  (22030908)
        486598.86   3615783.41       19.42402  (22030908)              486592.18
3615760.38       20.22867  (22030908)
        486585.50   3615737.35       20.85827  (22030908)              486578.82
3615714.32       21.29288  (22030908)
        486572.14   3615691.30       21.97573  (21120902)              486565.46
3615668.27       23.13718  (21120902)
        486558.78   3615645.24       24.08759  (21120902)              486552.10
3615622.21       24.79272  (21120902)
        486545.42   3615599.18       25.22587  (21120902)              486538.74
3615576.15       25.36961  (21120902)
        486532.06   3615553.12       25.21690  (21120902)              486525.38
3615530.09       24.77163  (21120902)
        486518.70   3615507.06       24.04853  (21120902)              486512.02
3615484.03       24.32275  (20050622)
        486505.34   3615461.00       27.36848  (20050622)              486498.66
3615437.97       30.38398  (20050622)
        486491.98   3615414.94       33.26921  (20050622)              486485.31
3615391.91       35.91885  (20050622)
        486478.63   3615368.88       38.22941  (20050622)              486471.95
3615345.85       40.10429  (20050622)
        486465.27   3615322.83       41.46102  (20050622)              486458.59
3615299.80       42.23905  (20050622)
        486451.91   3615276.77       42.40079  (20050622)              486445.23
3615253.74       41.93713  (20050622)
        486438.55   3615230.71       40.86755  (20050622)              486431.87
3615207.68       39.23880  (20050622)
        486425.19   3615184.65       37.12148  (20050622)              486418.51
3615161.62       34.60498  (20050622)
        486411.83   3615138.59       31.79122  (20050622)              486405.15
3615115.56       34.30065  (20070524)
        486398.47   3615092.53       36.83087  (20070524)              486391.79
3615069.50       38.97633  (20070524)
        486385.11   3615046.47       40.64306  (20070524)              486378.43
3615023.44       41.75967  (20070524)
        486371.75   3615000.41       42.27822  (20070524)              486365.07
3614977.38       42.17437  (20070524)
        486358.39   3614954.36       41.45689  (20070524)              486351.71
3614931.33       40.15512  (20070524)
        486345.03   3614908.30       38.32776  (20070524)              486338.35
3614885.27       36.05460  (20070524)
        486331.67   3614862.24       33.43079  (20070524)              486324.99
3614839.21       31.07110  (22123023)
        486318.31   3614816.18       28.87718  (22123023)              486311.63
3614793.15       26.46974  (22123023)
        486304.95   3614770.12       24.35203  (20010823)              486298.27
3614747.09       24.44787  (20010823)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
486291.59	3614724.06	24.61520	(22072204)	486284.91	3614701.03	24.75758	(22072204)
486278.23	3614678.00	25.44126	(22011806)	486271.55	3614654.97	28.08180	(22011806)
486264.87	3614631.94	30.58268	(22011806)	486258.19	3614608.91	32.85092	(22011806)
486251.51	3614585.89	35.34935	(20052402)	486244.83	3614562.86	38.14088	(20052402)
486238.15	3614539.83	40.56085	(20052402)	486231.47	3614516.80	42.51251	(20052402)
486224.80	3614493.77	43.91627	(20052402)	486218.12	3614470.74	44.71445	(20052402)
486211.44	3614447.71	44.87613	(20052402)	486204.76	3614424.68	44.39847	(20052402)
486198.08	3614401.65	43.30678	(20052402)	486191.40	3614378.62	41.65232	(20052402)
486184.72	3614355.59	39.63829	(20051603)	486178.04	3614332.56	39.45276	(20051603)
486171.36	3614309.53	38.72709	(20051603)	486164.68	3614286.50	43.15699	(22010220)
486158.00	3614263.47	47.70101	(22010220)	486151.32	3614240.45	51.80544	(22010220)
486144.64	3614217.42	55.29215	(22010220)	486137.96	3614194.39	57.99926	(22010220)
486131.28	3614171.36	59.80122	(22010220)	486124.60	3614148.33	60.61648	(22010220)
486117.92	3614125.30	60.41361	(22010220)	486111.24	3614102.27	59.21303	(22010220)

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        486104.56   3614079.24       57.08451  (22010220)              486097.88
3614056.21       54.14054  (22010220)
        486091.20   3614033.18       50.52671  (22010220)              486084.52
3614010.15       46.40997  (22010220)
        486077.84   3613987.12       41.96626  (22010220)              488731.47
3617280.51       55.91092  (22031321)
        488755.51   3617283.10       45.55177  (20071201)              488779.55
3617285.68       45.91821  (20071201)
        488803.58   3617288.27       52.80927  (20071201)              488667.47
3617666.61       58.21629  (22031321)
        488646.29   3617655.01       49.33160  (21022221)              488625.10
3617643.41       30.39225  (20012102)
        488603.91   3617631.80       19.88856  (20012102)              488582.72
3617620.20       19.24941  (20012102)
        488561.54   3617608.60       18.46862  (20012102)              488540.35
3617597.00       17.55996  (20012102)
        488519.16   3617585.40       16.55902  (20012102)              488497.97
3617573.79       15.47910  (20012102)
        488476.79   3617562.19       14.33789  (20012102)              488455.60
3617550.59       13.16930  (20012102)
        488434.41   3617538.99       11.99040  (20012102)              488413.22
3617527.39       11.38441  (20100308)
        488392.03   3617515.78       11.48066  (22122909)              488370.85
3617504.18      119.86195  (20042424)
        488349.66   3617492.58      125.60651  (20042424)              488328.47
3617480.98      123.64441  (20042424)
        488307.28   3617469.38      118.50128  (20042424)              488286.10
3617457.77      110.07414  (20042424)
        488264.91   3617446.17       91.61434  (20061023)              488243.72
3617434.57       70.85243  (20061023)
        488222.53   3617422.97       66.21242  (20061023)              488201.35
3617411.37       60.30468  (20061023)
        488180.16   3617399.76       74.69341  (20061023)              488158.97
3617388.16       98.05089  (20061023)
        488137.78   3617376.56      105.00609  (20061023)              488116.60
3617364.96       97.02428  (20061023)
        488095.41   3617353.36       91.16031  (20100219)              488074.22
3617341.75       89.67121  (20100219)
        488053.03   3617330.15       86.23187  (20100219)              488031.85
3617318.55       95.53870  (21081324)
        488010.66   3617306.95      107.40341  (21081324)              487989.47
3617295.35      117.24412  (21081324)
        487968.28   3617283.75      122.85945  (21081324)              487947.09
3617272.14      122.58893  (21081324)
        487925.91   3617260.54      118.91280  (21081324)              487904.72
3617248.94      112.16648  (21081324)
        487883.53   3617237.34      111.52552  (20010718)              487862.34
3617225.74      114.34564  (20010718)
        487841.16   3617214.13      111.71367  (20010718)              487819.97
3617202.53      104.26079  (20010718)
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        487502.15   3617028.50   8.09759 (20010718)   487480.97
3617016.90   6.94227 (21010709)
        487459.78   3617005.30   6.13914 (21121907)   487438.59
3616993.70   6.14096 (21121907)
        487417.40   3616982.09   6.24716 (22031808)   487396.22
3616970.49   6.38975 (22112609)
        487375.03   3616958.89   6.59849 (22112609)   487353.84
3616947.29   6.76127 (22112609)
        487332.65   3616935.69   6.87386 (22112609)   487311.47
3616924.08   6.94004 (22112609)
        487290.28   3616912.48   6.95027 (22112609)   487269.09
3616900.88   6.96738 (21112709)
        487247.90   3616889.28   6.98248 (21112709)   487226.72
3616877.68   6.96737 (21112709)

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        487205.53   3616866.08        6.91986  (21112709)              487184.34
3616854.47        6.81842  (21112709)
        487163.15   3616842.87        6.68745  (21112709)              487141.97
3616831.27        6.51613  (21112709)
        487120.78   3616819.67        6.33708  (21112709)              487099.59
3616808.07        6.18234  (21112709)
        487078.40   3616796.46        5.92923  (21112709)              487057.21
3616784.86        6.18118  (20100408)
        487036.03   3616773.26        7.02606  (20100408)              487014.84
3616761.66        7.89322  (20100408)
        486993.65   3616750.06        8.79283  (20100408)              486972.46
3616738.45        9.71266  (20100408)
        486951.28   3616726.85       10.63759  (20100408)              486930.09
3616715.25       11.55282  (20100408)
        486908.90   3616703.65       12.44147  (20100408)              486887.71
3616692.05       13.28649  (20100408)
        486866.53   3616680.44       14.07097  (20100408)              486845.34
3616668.84       14.77859  (20100408)
        486824.15   3616657.24       15.39437  (20100408)              486802.96
3616645.64       15.90510  (20100408)
        486781.78   3616634.04       16.29975  (20100408)              486760.59
3616622.43       16.57035  (20100408)
        486739.40   3616610.83       16.71122  (20100408)              486718.21
3616599.23       16.76849  (20100408)
        486697.03   3616587.63       16.67669  (20100408)              486675.84
3616576.03       16.42687  (20100408)
        486654.65   3616564.42       16.05640  (20100408)              486633.46
3616552.82       15.57495  (20100408)
        486612.27   3616541.22       14.99415  (20100408)              486591.09
3616529.62       14.32763  (20100408)
        486569.90   3616518.02       13.58958  (20100408)              486548.71
3616506.42       12.79556  (20100408)
        486527.52   3616494.81       11.96086  (20100408)              486506.34
3616483.21       11.10152  (20100408)
        486485.15   3616471.61       10.23835  (21122509)              486463.96
3616460.01       10.69616  (21122509)
        486442.77   3616448.41       11.09991  (21122509)              486421.59
3616436.80       11.44290  (21122509)
        486393.67   3616402.00       11.97485  (21122509)              486386.94
3616378.80       12.15422  (21122509)
        486380.21   3616355.60       12.25422  (21122509)              486373.48
3616332.40       12.27325  (21122509)
        486366.75   3616309.20       12.20945  (21122509)              486360.02
3616286.00       12.06511  (21122509)
        486353.29   3616262.80       11.84051  (21122509)              486346.56
3616239.60       11.53944  (21122509)
        486339.84   3616216.40       11.16739  (21122509)              486333.11
3616193.20       10.73086  (21122509)
        486326.38   3616170.00       10.72376  (22051322)              486319.65
3616146.80       11.17139  (22051322)
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        486205.25   3615752.40   21.33022 (21120902)   486198.52
3615729.20   21.27301 (21120902)
        486191.79   3615706.00   21.00275 (21120902)   486185.06
3615682.80   20.52690 (21120902)
        486178.33   3615659.60   19.85936 (21120902)   486171.60
3615636.40   20.23289 (20050622)
        486164.88   3615613.20   22.60374 (20050622)   486158.15
3615590.00   24.96349 (20050622)
        486151.42   3615566.80   27.24593 (20050622)   486144.69
3615543.60   29.38128 (20050622)
        486137.96   3615520.40   31.29920 (20050622)   486131.23
3615497.20   32.93261 (20050622)

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        486124.50   3615474.00       34.22154  (20050622)               486117.77
3615450.80       35.11670  (20050622)
        486111.04   3615427.60       35.58268  (20050622)               486104.31
3615404.40       35.60017  (20050622)
        486097.58   3615381.20       35.16740  (20050622)               486090.85
3615358.00       34.30022  (20050622)
        486084.13   3615334.80       33.03156  (20050622)               486077.40
3615311.60       31.40803  (20050622)
        486070.67   3615288.40       29.48894  (20050622)               486063.94
3615265.20       27.34149  (20050622)
        486057.21   3615242.00       26.92877  (20070524)               486050.48
3615218.80       29.08793  (20070524)
        486043.75   3615195.60       31.03371  (20070524)               486037.02
3615172.40       32.69831  (20070524)
        486030.29   3615149.20       34.02112  (20070524)               486023.56
3615126.00       34.95243  (20070524)
        486016.83   3615102.80       35.45649  (20070524)               486010.10
3615079.60       35.51381  (20070524)
        486003.37   3615056.40       35.12241  (20070524)               485996.65
3615033.20       34.29816  (20070524)
        485989.92   3615010.00       33.07279  (20070524)               485983.19
3614986.80       31.49323  (20070524)
        485976.46   3614963.60       29.61771  (20070524)               485969.73
3614940.40       27.51245  (20070524)
        485963.00   3614917.20       25.92173  (22123023)               485956.27
3614894.00       24.20283  (22123023)
        485949.54   3614870.80       22.33100  (22123023)               485942.81
3614847.60       20.43405  (20010823)
        485936.08   3614824.40       20.61675  (20010823)               485929.35
3614801.20       20.59195  (20010823)
        485922.62   3614778.00       20.63968  (22072204)               485915.89
3614754.80       20.69736  (22072204)
        485909.17   3614731.60       20.85670  (22011806)               485902.44
3614708.40       22.92581  (22011806)
        485895.71   3614685.20       24.91341  (22011806)               485888.98
3614662.00       26.75750  (22011806)
        485882.25   3614638.80       28.39704  (22011806)               485875.52
3614615.60       30.52217  (20052402)
        485868.79   3614592.41       32.61518  (20052402)               485862.06
3614569.21       34.42200  (20052402)
        485855.33   3614546.01       35.87921  (20052402)               485848.60
3614522.81       36.93554  (20052402)
        485841.87   3614499.61       37.55391  (20052402)               485835.14
3614476.41       37.71356  (20052402)
        485828.41   3614453.21       37.41122  (20052402)               485821.69
3614430.01       36.66131  (20052402)
        485814.96   3614406.81       35.49410  (20052402)               485808.23
3614383.61       33.95478  (20052402)
        485801.50   3614360.41       33.25967  (20051603)               485794.77
3614337.21       32.97661  (20051603)
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
485788.04	3614314.01	32.30986	(20051603)	485781.31	3614290.81	35.54876	(22010220)
485774.58	3614267.61	39.14576	(22010220)	485767.85	3614244.41	42.46386	(22010220)
485761.12	3614221.21	45.37873	(22010220)	485754.39	3614198.01	47.77677	(22010220)
485747.66	3614174.81	49.56254	(22010220)	485740.93	3614151.61	50.66516	(22010220)
485734.21	3614128.41	51.04311	(22010220)	485727.48	3614105.21	50.68601	(22010220)
485720.75	3614082.01	49.61611	(22010220)	485714.02	3614058.81	47.88541	(22010220)
485707.29	3614035.61	45.57171	(22010220)	485700.56	3614012.41	42.77296	(22010220)
485693.83	3613989.21	39.60047	(22010220)	485687.10	3613966.01	36.17183	(22010220)
485680.37	3613942.81	32.60247	(22010220)	488688.66	3617678.21	64.27557	(22031321)
488712.70	3617680.80	78.76346	(22031321)	488736.74	3617683.39	67.00906	(22031321)
488760.77	3617685.97	79.35169	(22031321)	488784.81	3617688.56	89.52112	(22031321)
488624.72	3618064.34	17.83559	(20012102)	488603.58	3618052.77	17.79877	(20012102)
488582.44	3618041.19	17.64120	(20012102)	488561.31	3618029.62	17.35831	(20012102)
488540.17	3618018.04	16.95426	(20012102)	488519.03	3618006.47	16.43859	(20012102)

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        488497.90   3617994.90       15.82108  (20012102)              488476.76
3617983.32       15.11156  (20012102)
        488455.63   3617971.75       14.32864  (20012102)              488434.49
3617960.18       13.48412  (20012102)
        488413.35   3617948.60       12.58943  (20012102)              488392.22
3617937.03       11.66744  (20012102)
        488371.08   3617925.46       11.26293  (20100308)              488349.95
3617913.88       10.85808  (20100308)
        488328.81   3617902.31       79.88445  (21022221)              488307.67
3617890.73       91.73930  (21022221)
        488286.54   3617879.16       79.83291  (20042424)              488265.40
3617867.59       65.70898  (20042424)
        488244.26   3617856.01       48.58843  (21022221)              488223.13
3617844.44       47.72200  (20042424)
        488201.99   3617832.87       58.33995  (20042424)              488180.86
3617821.29       71.61568  (20042424)
        488159.72   3617809.72       83.90231  (20061023)              488138.58
3617798.14       91.72845  (20061023)
        488117.45   3617786.57       97.54901  (20061023)              488096.31
3617775.00      102.42726  (20061023)
        488075.18   3617763.42      103.72873  (20061023)              488054.04
3617751.85       96.82664  (20061023)
        488032.90   3617740.28       83.57090  (20061023)              488011.77
3617728.70       74.45332  (20061023)
        487990.63   3617717.13       70.18982  (20100219)              487969.50
3617705.55       72.18919  (20100219)
        487948.36   3617693.98       73.02516  (20100219)              487927.22
3617682.41       72.38786  (20100219)
        487906.09   3617670.83       70.10177  (21081324)              487884.95
3617659.26       82.06533  (21081324)
        487863.81   3617647.69       92.97531  (21081324)              487842.68
3617636.11      101.58457  (21081324)
        487821.54   3617624.54      106.58291  (21081324)              487800.41
3617612.96      107.90334  (21081324)
        487779.27   3617601.39      106.95563  (21081324)              487758.13
3617589.82      102.48340  (21081324)
        487737.00   3617578.24       99.94714  (20010718)              487715.86
3617566.67      106.64646  (20010718)
        487694.73   3617555.10      109.35440  (20010718)              487673.59
3617543.52      108.88911  (20010718)
        487652.45   3617531.95      112.35418  (20100121)              487631.32
3617520.37      113.47886  (20100121)
        487610.18   3617508.80      119.13438  (22010618)              487589.05
3617497.23      122.57716  (22010618)
        487567.91   3617485.65      110.31564  (22010618)              487546.77
3617474.08       70.77487  (22010618)
        487525.64   3617462.51       60.12011  (22010618)              487504.50
3617450.93       79.93368  (22010618)
        487483.36   3617439.36       90.27122  (22010618)              487462.23
3617427.78       88.76691  (20110220)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
487441.09	3617416.21	97.85109	(20110220)	487419.96	3617404.64	102.79328	(20110220)
487398.82	3617393.06	106.13256	(20110220)	487377.68	3617381.49	105.48286	(20110220)
487356.55	3617369.92	103.26884	(20110220)	487335.41	3617358.34	96.11060	(20110220)
487314.28	3617346.77	89.41325	(20110220)	487293.14	3617335.19	80.91710	(20110220)
487272.00	3617323.62	70.63171	(20110220)	487250.87	3617312.05	59.60810	(20110220)
487229.73	3617300.47	55.66648	(20110220)	487208.59	3617288.90	48.02700	(21081401)
487187.46	3617277.33	47.92862	(21081401)	487166.32	3617265.75	46.69062	(21121023)
487145.19	3617254.18	43.02231	(21121023)	487124.05	3617242.60	49.68375	(21121023)
487102.91	3617231.03	48.25040	(21121023)	487081.78	3617219.46	45.77354	(21121023)
487060.64	3617207.88	32.89786	(21121023)	487039.51	3617196.31	6.94608	(21112709)
487018.37	3617184.74	6.79651	(21112709)	486997.23	3617173.16	6.72855	(21112709)
486976.10	3617161.59	6.53399	(21112709)	486954.96	3617150.01	6.42462	(21112709)
486933.83	3617138.44	6.32489	(21112709)	486912.69	3617126.87	6.21374	(21112709)
486891.55	3617115.29	6.07464	(21112709)	486870.42	3617103.72	5.91186	(21112709)

```
        486849.28   3617092.15        5.71998  (21112709)               486828.14
3617080.57        5.50958  (21112709)
        486807.01   3617069.00        5.71723  (20100408)               486785.87
3617057.42        6.44043  (20100408)
        486764.74   3617045.85        7.17727  (20100408)               486743.60
3617034.28        7.97306  (20100408)
        486722.46   3617022.70        8.78636  (20100408)               486701.33
3617011.13        9.59371  (20100408)
        486680.19   3616999.56       10.39200  (20100408)               486659.06
3616987.98       11.17519  (20100408)
        486637.92   3616976.41       11.93942  (20100408)               486616.78
3616964.83       12.55081  (20100408)
        486595.65   3616953.26       13.14565  (20100408)               486574.51
3616941.69       13.72992  (20100408)
        486553.38   3616930.11       14.25231  (20100408)               486532.24
3616918.54       14.69147  (20100408)
        486511.10   3616906.97       15.03936  (20100408)               486489.97
3616895.39       15.28975  (20100408)
        486468.83   3616883.82       15.43822  (20100408)               486447.69
3616872.24       15.48263  (20100408)
        486426.56   3616860.67       15.42286  (20100408)               486405.42
3616849.10       15.26092  (20100408)
        486384.29   3616837.52       14.99723  (20100408)               486363.15
3616825.95       14.63932  (20100408)
        486342.01   3616814.38       14.20271  (20100408)               486320.88
3616802.80       13.69045  (20100408)
        486299.74   3616791.23       13.11248  (20100408)               486278.61
3616779.65       12.47960  (20100408)
        486257.47   3616768.08       11.80301  (20100408)               486236.33
3616756.51       11.09406  (20100408)
        486215.20   3616744.93       10.36392  (20100408)               486194.06
3616733.36        9.62334  (20100408)
        486172.93   3616721.79        9.45631  (21122509)               486151.79
3616710.21        9.84610  (21122509)
        486130.65   3616698.64       10.19339  (21122509)               486109.52
3616687.06       10.49339  (21122509)
        486081.67   3616652.35       10.97661  (21122509)               486074.95
3616629.20       11.15414  (21122509)
        486068.24   3616606.06       11.27058  (21122509)               486061.53
3616582.92       11.32348  (21122509)
        486054.82   3616559.77       11.31131  (21122509)               486048.10
3616536.63       11.23363  (21122509)
        486041.39   3616513.49       11.09131  (21122509)               486034.68
3616490.34       10.88615  (21122509)
        486027.96   3616467.20       10.62121  (21122509)               486021.25
3616444.06       10.30068  (21122509)
        486014.54   3616420.91        9.92934  (21122509)               486007.83
3616397.77        9.51324  (21122509)
        486001.11   3616374.62        9.27205  (22051322)               485994.40
3616351.48        9.61021  (22051322)
```

485987.69 3616328.34 10.52228 (22030908) 485980.97
3616305.19 11.44740 (22030908)
485974.26 3616282.05 12.36816 (22030908) 485967.55
3616258.91 13.27067 (22030908)
485960.84 3616235.76 14.13994 (22030908) 485954.12
3616212.62 14.95974 (22030908)
485947.41 3616189.48 15.71436 (22030908) 485940.70
3616166.33 16.38893 (22030908)
485933.98 3616143.19 16.96875 (22030908) 485927.27
3616120.05 17.44108 (22030908)
485920.56 3616096.90 17.79527 (22030908) 485913.85
3616073.76 18.02249 (22030908)
485907.13 3616050.61 18.11703 (22030908) 485900.42
3616027.47 18.07588 (22030908)
485893.71 3616004.33 17.89926 (22030908) 485886.99
3615981.18 17.68495 (21120902)
485880.28 3615958.04 18.02947 (21120902) 485873.57
3615934.90 18.22453 (21120902)
485866.86 3615911.75 18.26417 (21120902) 485860.14
3615888.61 18.14637 (21120902)
485853.43 3615865.47 17.87384 (21120902) 485846.72
3615842.32 17.45300 (21120902)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
485840.00	3615819.18	16.89456	(21120902)	485833.29	3615796.04	16.52794	(20050622)
485826.58	3615772.89	18.39665	(20050622)	485819.87	3615749.75	20.27699	(20050622)
485813.15	3615726.61	22.12721	(20050622)	485806.44	3615703.46	23.90143	(20050622)

```
        485799.73   3615680.32       25.55064  (20050622)               485793.01
3615657.17       27.02887  (20050622)
        485786.30   3615634.03       28.28987  (20050622)               485779.59
3615610.89       29.29452  (20050622)
        485772.88   3615587.74       30.01012  (20050622)               485766.16
3615564.60       30.41174  (20050622)
        485759.45   3615541.46       30.48570  (20050622)               485752.74
3615518.31       30.22864  (20050622)
        485746.02   3615495.17       29.64837  (20050622)               485739.31
3615472.03       28.76396  (20050622)
        485732.60   3615448.88       27.60316  (20050622)               485725.89
3615425.74       26.20343  (20050622)
        485719.17   3615402.60       24.60703  (20050622)               485712.46
3615379.45       22.86093  (20050622)
        485705.75   3615356.31       22.50284  (20070524)               485699.03
3615333.16       24.25315  (20070524)
        485692.32   3615310.02       25.86398  (20070524)               485685.61
3615286.88       27.28746  (20070524)
        485678.90   3615263.73       28.48126  (20070524)               485672.18
3615240.59       29.40699  (20070524)
        485665.47   3615217.45       30.03508  (20070524)               485658.76
3615194.30       30.34612  (20070524)
        485652.04   3615171.16       30.32941  (20070524)               485645.33
3615148.02       29.98433  (20070524)
        485638.62   3615124.87       29.32347  (20070524)               485631.91
3615101.73       28.36821  (20070524)
        485625.19   3615078.59       27.15053  (20070524)               485618.48
3615055.44       25.70835  (20070524)
        485611.77   3615032.30       24.08659  (20070524)               485605.05
3615009.15       22.75472  (22123023)
        485598.34   3614986.01       21.47313  (22123023)               485591.63
3614962.87       20.05597  (22123023)
        485584.92   3614939.72       18.54347  (22123023)               485578.20
3614916.58       17.52314  (20010823)
        485571.49   3614893.44       17.68652  (20010823)               485564.78
3614870.29       17.69752  (20010823)
        485558.06   3614847.15       17.55615  (20010823)               485551.35
3614824.01       17.61679  (22070424)
        485544.64   3614800.86       17.57343  (22070424)               485537.93
3614777.72       17.93888  (22011806)
        485531.21   3614754.58       19.57174  (22011806)               485524.50
3614731.43       21.14533  (22011806)
        485517.79   3614708.29       22.61636  (22011806)               485511.07
3614685.14       23.94455  (22011806)
        485504.36   3614662.00       25.37183  (20052402)               485497.65
3614638.86       27.10487  (20052402)
        485490.94   3614615.71       28.65074  (20052402)               485484.22
3614592.57       29.96284  (20052402)
        485477.51   3614569.43       31.00276  (20052402)               485470.80
3614546.28       31.73927  (20052402)
```

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        485464.08   3614523.14       32.14949  (20052402)                485457.37
3614500.00       32.22252  (20052402)
        485450.66   3614476.85       31.95757  (20052402)                485443.95
3614453.71       31.36520  (20052402)
        485437.23   3614430.57       30.46595  (20052402)                485430.52
3614407.42       29.28938  (20052402)
        485423.81   3614384.28       28.39401  (20051603)                485417.09
3614361.13       28.31554  (20051603)
        485410.38   3614337.99       27.95015  (20051603)                485403.67
3614314.85       27.31115  (20051603)
        485396.96   3614291.70       30.24132  (22010220)                485390.24
3614268.56       33.10473  (22010220)
        485383.53   3614245.42       35.77676  (22010220)                485376.82
3614222.27       38.17328  (22010220)
        485370.10   3614199.13       40.21255  (22010220)                485363.39
3614175.99       41.82679  (22010220)
        485356.68   3614152.84       42.96100  (22010220)                485349.97
3614129.70       43.57603  (22010220)
        485343.25   3614106.56       43.67466  (22010220)                485336.54
3614083.41       43.26053  (22010220)
        485329.83   3614060.27       42.31426  (22010220)                485323.11
3614037.12       40.90033  (22010220)
        485316.40   3614013.98       39.04941  (22010220)                485309.69
3613990.84       36.82724  (22010220)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                 PAGE 209
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF VARIOUS  IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        485302.98   3613967.69       34.32291  (22010220)                485296.26
3613944.55       31.61626  (22010220)
        485289.55   3613921.41       28.79072  (22010220)                485282.84
3613898.26       25.92559  (22010220)
```

```
        488645.85   3618075.91       17.73525  (20012102)                488669.89
3618078.50       17.53236  (20012102)
        488693.93   3618081.09       17.20744  (20012102)                488717.96
3618083.68       34.85679  (20071201)
        489052.55   3614297.74     2919.16711  (20050622)                489148.70
3614308.09     5582.25594  (20010718)
        489151.29   3614285.67    10295.00864  (20010718)                489165.52
3614286.96     9538.60805  (22011619)
        489175.44   3614281.35     8488.19334  (22010617)                489171.55
3614267.99    12694.87940  (22010617)
        489178.02   3614265.40    10607.11797  (21083002)                489165.52
3614117.08     3961.56386  (22021321)
        489073.25   3614112.77     3382.61509  (20121122)

 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE 210
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                   ** CONC OF VARIOUS  IN MICROGRAMS/M**3
             **

                                                      DATE
                                          NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS   12694.87940  ON 22010617: AT (  489171.55,
3614267.99,     3.44,     3.44,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE 211
```

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of         2402 Informational Message(s)

 A Total of        26304 Hours Were Processed

 A Total of         1541 Calm Hours Identified

 A Total of          861 Missing Hours Identified (  3.27 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 MX W403     100       PFLCNV: Turbulence data is being used w/o ADJ_U* option
SigA Data

    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
```

```
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        09:06:31

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                                          ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses RURAL Dispersion Only.
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: VARIOUS

 **Model Calculates  1 Short Term Average(s) of:   1-HR

 **This Run Includes:      1 Source(s);       1 Source Group(s); and    8577
Receptor(s)

                with:      1 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  24142
```

```
 **Output Options Selected:
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    34.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.5 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   PoSD ZE AERMOD.err

 **File for Summary of Results:   PoSD ZE AERMOD.sum

 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                  PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                                        *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                              (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
```

```
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON
WHAT IS INCLUDED IN THE DATA FILE.



                                     *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                            (METERS/SEC)

                                                  1.54,   3.09,   5.14,   8.23,
10.80,
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Tru ***        06/24/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        09:06:31

                                     PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

                                       *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

   Surface file:   ..\SES_2020_2022_v24142.SFC
                Met Version:  24142
   Profile file:   ..\SES_2020_2022_v24142.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:    23188                   Upper air station no.:     3190
                  Name: SAN_DIEGO/LINDBERGH_FIELD                   Name: UNKNOWN

                  Year:   2020                                      Year:   2020

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN
ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
 20 01 01   1 01   -7.1  0.089 -9.000 -9.000 -999.   63.      8.9  0.18   0.74
```

```
1.00    1.79   51.   10.0  285.5   10.0
 20 01 01   1 02   -6.5  0.085 -9.000 -9.000 -999.   60.      8.6  0.19   0.74
1.00    1.70   70.   10.0  284.5   10.0
 20 01 01   1 03   -2.3  0.051 -9.000 -9.000 -999.   27.      5.0  0.17   0.74
1.00    1.03   17.   10.0  283.3   10.0
 20 01 01   1 04   -1.4  0.039 -9.000 -9.000 -999.   19.      3.9  0.17   0.74
1.00    0.80   22.   10.0  282.5   10.0
 20 01 01   1 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.22   0.74
1.00    0.00    0.   10.0  281.8   10.0
 20 01 01   1 06   -3.0  0.058 -9.000 -9.000 -999.   34.      6.0  0.19   0.74
1.00    1.16   65.   10.0  282.2   10.0
 20 01 01   1 07   -3.0  0.062 -9.000 -9.000 -999.   37.      7.1  0.18   0.74
1.00    1.25   35.   10.0  282.5   10.0
 20 01 01   1 08   -3.7  0.084 -9.000 -9.000 -999.   59.     14.9  0.18   0.74
0.48    1.56   59.   10.0  284.0   10.0
 20 01 01   1 09   30.9  0.141  0.358  0.005   53.  127.     -8.2  0.17   0.74
0.28    1.03  112.   10.0  285.9   10.0
 20 01 01   1 10   53.1  0.260  0.583  0.005  135.  319.    -30.0  0.20   0.74
0.21    2.15  126.   10.0  288.2   10.0
 20 01 01   1 11   87.2  0.254  1.003  0.005  419.  308.    -17.1  0.25   0.74
0.19    1.83  216.   10.0  290.3   10.0
 20 01 01   1 12   97.8  0.337  1.170  0.005  593.  469.    -35.3  0.25   0.74
0.18    2.64  214.   10.0  290.4   10.0
 20 01 01   1 13   96.1  0.368  1.245  0.005  726.  536.    -46.9  0.26   0.74
0.18    2.95  207.   10.0  290.1   10.0
 20 01 01   1 14   82.2  0.327  1.228  0.005  813.  451.    -38.5  0.25   0.74
0.19    2.59  217.   10.0  289.8   10.0
 20 01 01   1 15   56.8  0.356  1.136  0.005  932.  509.    -71.4  0.26   0.74
0.22    2.95  197.   10.0  289.5   10.0
 20 01 01   1 16   17.8  0.246  0.787  0.005  983.  299.    -75.3  0.25   0.74
0.31    2.06  235.   10.0  289.0   10.0
 20 01 01   1 17   -5.1  0.087 -9.000 -9.000 -999.   91.     11.7  0.25   0.74
0.59    1.61  224.   10.0  288.4   10.0
 20 01 01   1 18   -5.1  0.083 -9.000 -9.000 -999.   57.     10.1  0.26   0.74
1.00    1.52  191.   10.0  287.8   10.0
 20 01 01   1 19   -2.6  0.058 -9.000 -9.000 -999.   34.      6.9  0.21   0.74
1.00    1.12  163.   10.0  287.6   10.0
 20 01 01   1 20   -2.3  0.055 -9.000 -9.000 -999.   31.      6.5  0.21   0.74
1.00    1.07  167.   10.0  287.4   10.0
 20 01 01   1 21   -1.8  0.048 -9.000 -9.000 -999.   25.      5.6  0.20   0.74
1.00    0.94  137.   10.0  287.2   10.0
 20 01 01   1 22   -2.3  0.056 -9.000 -9.000 -999.   32.      6.9  0.19   0.74
1.00    1.12   65.   10.0  286.4   10.0
 20 01 01   1 23   -3.1  0.063 -9.000 -9.000 -999.   38.      7.3  0.19   0.74
1.00    1.25   82.   10.0  285.8   10.0
 20 01 01   1 24   -4.0  0.072 -9.000 -9.000 -999.   46.      8.3  0.19   0.74
1.00    1.43   86.   10.0  285.6   10.0


 First hour of profile data
```

```
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 20 01 01 01   10.0 1   51.    1.79   285.6   13.0  -99.00    0.40

 F indicates top of profile (=1) or below (=0)
```

```
                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                    ** CONC OF VARIOUS  IN MICROGRAMS/M**3
              **

                                                        DATE
                                          NETWORK
GROUP ID                             AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS   12694.87940  ON 22010617: AT (  489171.55,
3614267.99,     3.44,     3.44,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
```

```
 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of         2402 Informational Message(s)
```

```
 A Total of        26304 Hours Were Processed

 A Total of         1541 Calm Hours Identified

 A Total of          861 Missing Hours Identified (  3.27 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 MX W403     100       PFLCNV: Turbulence data is being used w/o ADJ_U* option
SigA Data
```

HARP Project Summary Report 6/24/2025 9:10:34 AM

PROJECT INFORMATION
HARP Version: 22118
Project Name: POSD ZE HARP
Project Output Directory: C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Port of SD ZE Truck Stop\POSD ZE HARP
HARP Database: NA

FACILITY INFORMATION
Origin
X (m):0
Y (m):0
Zone:1
No. of Sources:0
No. of Buildings:0

EMISSION INVENTORY
No. of Pollutants:3
No. of Background Pollutants:0

Emissions

ScrID	StkID	ProID	PolID	PolAbbrev	
Multi	Annual Ems	MaxHr Ems	MWAF		
	(lbs/yr)	(lbs/hr)			
ALL	0	0	630080	Carbon Monoxide	1
0	1.353	1			
ALL	0	0	71432	Benzene	1
0	0.001	1			
ALL	0	0	108883	Toluene	1
0	0.001	1			

Background

PolID	PolAbbrev	Conc (ug/m^3)	MWAF

Ground level concentration files (\glc\)

108883MAXHR.txt
108883PER.txt
630080MAXHR.txt
630080PER.txt
71432MAXHR.txt
71432PER.txt

POLLUTANT HEALTH INFORMATION
Health Database: C:\HARP2\Tables\HEALTH17320.mdb

Health Table Version: HEALTH25003
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
630080	Carbon Monoxide			23000			
71432	Benzene	0.1		27	3	3	
108883	Toluene			5000	420	830	

AIR DISPERSION MODELING INFORMATION
Versions used in HARP. All executables were obtained from USEPA's Support Center for Regulatory Atmospheric Modeling website (http://www.epa.gov/scram001/)
AERMOD: 18081
AERMAP: 18081
BPIPPRM: 04274
AERPLOT: 13329

METEOROLOGICAL INFORMATION
Version:
Surface File:
Profile File:
Surface Station:
Upper Station:
On-Site Station:

LIST OF AIR DISPERSION FILES
AERMOD Input File:
AERMOD Output File:
AERMOD Error File:
Plotfile list

Acute_MAXHI.plt

LIST OF RISK ASSESSMENT FILES
Health risk analysis files (\hra\)

InitialGLCList.csv
InitialHRAInput.hra
InitialNCAcuteRisk.csv
InitialNCAcuteRiskSumByRec.csv
InitialOutput.txt
InitialPathwayRec.csv
InitialPolDB.csv

Spatial averaging files (\sa\)

HARP2 - HRACalc (dated 22118) 6/24/2025 9:09:33 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCAcute
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
TIER 2 SETTINGS
Tier2 not used.

```
**********

Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Truck Stop\POSD ZE
HARP\hra\InitialNCAcuteRisk.csv
Acute risk total by receptor saved to: C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Port of SD ZE Truck Stop\POSD ZE
HARP\hra\InitialNCAcuteRiskSumByRec.csv
HRA ran successfully
```

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		489173.5	3614311	NonCancer	3.18E-02	1.08E-04	2.00E-02	0.00E+00	0.00E+00	2.00E-02	1.08E-04	0.00E+00	1.08E-04	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.18E-02
2	ALL		489176.1	3614289	NonCancer	5.29E-02	1.80E-04	3.33E-02	0.00E+00	0.00E+00	3.33E-02	1.80E-04	0.00E+00	1.80E-04	0.00E+00	0.00E+00	3.33E-02	0.00E+00	0.00E+00	5.29E-02
3	ALL		489189.1	3614330	NonCancer	2.21E-02	7.51E-05	1.39E-02	0.00E+00	0.00E+00	1.39E-02	7.51E-05	0.00E+00	7.51E-05	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.21E-02
4	ALL		489161.6	3614352	NonCancer	2.32E-02	7.89E-05	1.46E-02	0.00E+00	0.00E+00	1.46E-02	7.89E-05	0.00E+00	7.89E-05	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.32E-02
5	ALL		489201	3614291	NonCancer	2.82E-02	9.60E-05	1.78E-02	0.00E+00	0.00E+00	1.78E-02	9.60E-05	0.00E+00	9.60E-05	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	2.82E-02
6	ALL		489214	3614333	NonCancer	1.70E-02	5.79E-05	1.07E-02	0.00E+00	0.00E+00	1.07E-02	5.79E-05	0.00E+00	5.79E-05	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.70E-02
7	ALL		489177.2	3614372	NonCancer	1.29E-02	4.40E-05	8.14E-03	0.00E+00	0.00E+00	8.14E-03	4.40E-05	0.00E+00	4.40E-05	0.00E+00	0.00E+00	8.14E-03	0.00E+00	0.00E+00	1.29E-02
8	ALL		489225.8	3614294	NonCancer	3.05E-02	1.04E-04	1.92E-02	0.00E+00	0.00E+00	1.92E-02	1.04E-04	0.00E+00	1.04E-04	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.05E-02
9	ALL		489238.8	3614336	NonCancer	9.95E-03	3.38E-05	6.26E-03	0.00E+00	0.00E+00	6.26E-03	3.38E-05	0.00E+00	3.38E-05	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	9.95E-03
10	ALL		489220.4	3614370	NonCancer	1.15E-02	3.93E-05	7.27E-03	0.00E+00	0.00E+00	7.27E-03	3.93E-05	0.00E+00	3.93E-05	0.00E+00	0.00E+00	7.27E-03	0.00E+00	0.00E+00	1.15E-02
11	ALL		489192.9	3614392	NonCancer	1.15E-02	3.89E-05	7.21E-03	0.00E+00	0.00E+00	7.21E-03	3.89E-05	0.00E+00	3.89E-05	0.00E+00	0.00E+00	7.21E-03	0.00E+00	0.00E+00	1.15E-02
12	ALL		489156.3	3614402	NonCancer	1.41E-02	4.81E-05	8.90E-03	0.00E+00	0.00E+00	8.90E-03	4.81E-05	0.00E+00	4.81E-05	0.00E+00	0.00E+00	8.90E-03	0.00E+00	0.00E+00	1.41E-02
13	ALL		489250.6	3614297	NonCancer	1.97E-02	6.70E-05	1.24E-02	0.00E+00	0.00E+00	1.24E-02	6.70E-05	0.00E+00	6.70E-05	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	1.97E-02
14	ALL		489288.5	3614342	NonCancer	1.21E-02	4.13E-05	7.64E-03	0.00E+00	0.00E+00	7.64E-03	4.13E-05	0.00E+00	4.13E-05	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	1.21E-02
15	ALL		489270	3614375	NonCancer	5.75E-03	1.96E-05	3.62E-03	0.00E+00	0.00E+00	3.62E-03	1.96E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	5.75E-03
16	ALL		489251.6	3614409	NonCancer	7.52E-03	2.56E-05	4.74E-03	0.00E+00	0.00E+00	4.74E-03	2.56E-05	0.00E+00	2.56E-05	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	7.52E-03
17	ALL		489224.1	3614431	NonCancer	6.87E-03	2.33E-05	4.32E-03	0.00E+00	0.00E+00	4.32E-03	2.33E-05	0.00E+00	2.33E-05	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	6.87E-03
18	ALL		489187.5	3614441	NonCancer	7.15E-03	2.43E-05	4.50E-03	0.00E+00	0.00E+00	4.50E-03	2.43E-05	0.00E+00	2.43E-05	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	7.15E-03
19	ALL		489150.9	3614452	NonCancer	9.75E-03	3.32E-05	6.14E-03	0.00E+00	0.00E+00	6.14E-03	3.32E-05	0.00E+00	3.32E-05	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	9.75E-03
20	ALL		489300.3	3614303	NonCancer	5.96E-03	2.02E-05	3.75E-03	0.00E+00	0.00E+00	3.75E-03	2.02E-05	0.00E+00	2.02E-05	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	5.96E-03
21	ALL		489336.8	3614350	NonCancer	6.63E-03	2.25E-05	4.17E-03	0.00E+00	0.00E+00	4.17E-03	2.25E-05	0.00E+00	2.25E-05	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	6.63E-03
22	ALL		489315.7	3614388	NonCancer	7.07E-03	2.40E-05	4.45E-03	0.00E+00	0.00E+00	4.45E-03	2.40E-05	0.00E+00	2.40E-05	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	7.07E-03
23	ALL		489294.7	3614426	NonCancer	3.74E-03	1.27E-05	2.36E-03	0.00E+00	0.00E+00	2.36E-03	1.27E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	3.74E-03
24	ALL		489252.7	3614470	NonCancer	4.94E-03	1.68E-05	3.11E-03	0.00E+00	0.00E+00	3.11E-03	1.68E-05	0.00E+00	1.68E-05	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	4.94E-03
25	ALL		489210.9	3614483	NonCancer	5.92E-03	2.01E-05	3.72E-03	0.00E+00	0.00E+00	3.72E-03	2.01E-05	0.00E+00	2.01E-05	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	5.92E-03
26	ALL		489169.1	3614495	NonCancer	6.52E-03	2.22E-05	4.11E-03	0.00E+00	0.00E+00	4.11E-03	2.22E-05	0.00E+00	2.22E-05	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	6.52E-03
27	ALL		489350	3614309	NonCancer	3.76E-03	1.28E-05	2.37E-03	0.00E+00	0.00E+00	2.37E-03	1.28E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	3.76E-03
28	ALL		489386.8	3614355	NonCancer	2.94E-03	9.99E-06	1.85E-03	0.00E+00	0.00E+00	1.85E-03	9.99E-06	0.00E+00	9.99E-06	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	2.94E-03
29	ALL		489366.3	3614392	NonCancer	6.22E-03	2.11E-05	3.91E-03	0.00E+00	0.00E+00	3.91E-03	2.11E-05	0.00E+00	2.11E-05	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	6.22E-03
30	ALL		489345.8	3614429	NonCancer	4.58E-03	1.56E-05	2.88E-03	0.00E+00	0.00E+00	2.88E-03	1.56E-05	0.00E+00	1.56E-05	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	4.58E-03
31	ALL		489325.3	3614466	NonCancer	2.58E-03	8.77E-06	1.62E-03	0.00E+00	0.00E+00	1.62E-03	8.77E-06	0.00E+00	8.77E-06	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.58E-03
32	ALL		489284.5	3614509	NonCancer	4.10E-03	1.39E-05	2.58E-03	0.00E+00	0.00E+00	2.58E-03	1.39E-05	0.00E+00	1.39E-05	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.10E-03
33	ALL		489243.8	3614521	NonCancer	4.20E-03	1.43E-05	2.65E-03	0.00E+00	0.00E+00	2.65E-03	1.43E-05	0.00E+00	1.43E-05	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.20E-03
34	ALL		489203.2	3614533	NonCancer	4.30E-03	1.46E-05	2.71E-03	0.00E+00	0.00E+00	2.71E-03	1.46E-05	0.00E+00	1.46E-05	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.30E-03
35	ALL		489162.6	3614545	NonCancer	5.45E-03	1.85E-05	3.43E-03	0.00E+00	0.00E+00	3.43E-03	1.85E-05	0.00E+00	1.85E-05	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	5.45E-03
36	ALL		489399.6	3614314	NonCancer	2.91E-03	9.90E-06	1.83E-03	0.00E+00	0.00E+00	1.83E-03	9.90E-06	0.00E+00	9.90E-06	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	2.91E-03
37	ALL		489436.7	3614361	NonCancer	2.19E-03	7.44E-06	1.38E-03	0.00E+00	0.00E+00	1.38E-03	7.44E-06	0.00E+00	7.44E-06	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.19E-03
38	ALL		489416.5	3614397	NonCancer	3.61E-03	1.23E-05	2.27E-03	0.00E+00	0.00E+00	2.27E-03	1.23E-05	0.00E+00	1.23E-05	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	3.61E-03
39	ALL		489396.4	3614433	NonCancer	5.00E-03	1.70E-05	3.15E-03	0.00E+00	0.00E+00	3.15E-03	1.70E-05	0.00E+00	1.70E-05	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	5.00E-03
40	ALL		489376.3	3614470	NonCancer	3.09E-03	1.05E-05	1.94E-03	0.00E+00	0.00E+00	1.94E-03	1.05E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.09E-03
41	ALL		489356.1	3614506	NonCancer	1.91E-03	6.49E-06	1.20E-03	0.00E+00	0.00E+00	1.20E-03	6.49E-06	0.00E+00	6.49E-06	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	1.91E-03
42	ALL		489316.1	3614548	NonCancer	3.29E-03	1.12E-05	2.07E-03	0.00E+00	0.00E+00	2.07E-03	1.12E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.29E-03
43	ALL		489276.2	3614560	NonCancer	2.78E-03	9.44E-06	1.75E-03	0.00E+00	0.00E+00	1.75E-03	9.44E-06	0.00E+00	9.44E-06	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	2.78E-03
44	ALL		489236.3	3614572	NonCancer	3.77E-03	1.28E-05	2.37E-03	0.00E+00	0.00E+00	2.37E-03	1.28E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	3.77E-03
45	ALL		489196.4	3614583	NonCancer	3.07E-03	1.04E-05	1.93E-03	0.00E+00	0.00E+00	1.93E-03	1.04E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.07E-03
46	ALL		489156.5	3614595	NonCancer	4.58E-03	1.56E-05	2.88E-03	0.00E+00	0.00E+00	2.88E-03	1.56E-05	0.00E+00	1.56E-05	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	4.58E-03
47	ALL		489449.3	3614320	NonCancer	2.22E-03	7.55E-06	1.40E-03	0.00E+00	0.00E+00	1.40E-03	7.55E-06	0.00E+00	7.55E-06	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.22E-03
48	ALL		489535.5	3614373	NonCancer	1.39E-03	4.72E-06	8.74E-04	0.00E+00	0.00E+00	8.74E-04	4.72E-06	0.00E+00	4.72E-06	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00	1.39E-03
49	ALL		489514.4	3614411	NonCancer	1.42E-03	4.84E-06	8.97E-04	0.00E+00	0.00E+00	8.97E-04	4.84E-06	0.00E+00	4.84E-06	0.00E+00	0.00E+00	8.97E-04	0.00E+00	0.00E+00	1.42E-03
50	ALL		489493.3	3614449	NonCancer	2.45E-03	8.34E-06	1.55E-03	0.00E+00	0.00E+00	1.55E-03	8.34E-06	0.00E+00	8.34E-06	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.45E-03
51	ALL		489472.3	3614487	NonCancer	3.44E-03	1.17E-05	2.16E-03	0.00E+00	0.00E+00	2.16E-03	1.17E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.44E-03

52	ALL	489451.2	3614525	NonCancer	2.57E-03	8.75E-06	1.62E-03	0.00E+00	0.00E+00	1.62E-03	8.75E-06	0.00E+00	8.75E-06	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.57E-03
53	ALL	489430.1	3614563	NonCancer	1.47E-03	5.01E-06	9.27E-04	0.00E+00	0.00E+00	9.27E-04	5.01E-06	0.00E+00	5.01E-06	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	1.47E-03
54	ALL	489409	3614602	NonCancer	1.38E-03	4.70E-06	8.70E-04	0.00E+00	0.00E+00	8.70E-04	4.70E-06	0.00E+00	4.70E-06	0.00E+00	0.00E+00	8.70E-04	0.00E+00	0.00E+00	1.38E-03
55	ALL	489377.5	3614627	NonCancer	2.09E-03	7.09E-06	1.31E-03	0.00E+00	0.00E+00	1.31E-03	7.09E-06	0.00E+00	7.09E-06	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.09E-03
56	ALL	489335.8	3614639	NonCancer	2.34E-03	7.95E-06	1.47E-03	0.00E+00	0.00E+00	1.47E-03	7.95E-06	0.00E+00	7.95E-06	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.34E-03
57	ALL	489294	3614651	NonCancer	2.08E-03	7.07E-06	1.31E-03	0.00E+00	0.00E+00	1.31E-03	7.07E-06	0.00E+00	7.07E-06	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.08E-03
58	ALL	489252.2	3614663	NonCancer	2.69E-03	9.15E-06	1.70E-03	0.00E+00	0.00E+00	1.70E-03	9.15E-06	0.00E+00	9.15E-06	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	2.69E-03
59	ALL	489210.4	3614675	NonCancer	2.24E-03	7.62E-06	1.41E-03	0.00E+00	0.00E+00	1.41E-03	7.62E-06	0.00E+00	7.62E-06	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.24E-03
60	ALL	489168.6	3614688	NonCancer	2.89E-03	9.84E-06	1.82E-03	0.00E+00	0.00E+00	1.82E-03	9.84E-06	0.00E+00	9.84E-06	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	2.89E-03
61	ALL	489126.8	3614700	NonCancer	3.32E-03	1.13E-05	2.09E-03	0.00E+00	0.00E+00	2.09E-03	1.13E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.32E-03
62	ALL	489548.7	3614332	NonCancer	1.57E-03	5.34E-06	9.89E-04	0.00E+00	0.00E+00	9.89E-04	5.34E-06	0.00E+00	5.34E-06	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00	1.57E-03
63	ALL	489634.5	3614385	NonCancer	8.67E-04	2.95E-06	5.46E-04	0.00E+00	0.00E+00	5.46E-04	2.95E-06	0.00E+00	2.95E-06	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	8.67E-04
64	ALL	489623.7	3614405	NonCancer	2.06E-03	7.01E-06	1.30E-03	0.00E+00	0.00E+00	1.30E-03	7.01E-06	0.00E+00	7.01E-06	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.06E-03
65	ALL	489602	3614444	NonCancer	2.42E-03	8.22E-06	1.52E-03	0.00E+00	0.00E+00	1.52E-03	8.22E-06	0.00E+00	8.22E-06	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.42E-03
66	ALL	489591.1	3614463	NonCancer	2.75E-03	9.34E-06	1.73E-03	0.00E+00	0.00E+00	1.73E-03	9.34E-06	0.00E+00	9.34E-06	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	2.75E-03
67	ALL	489569.4	3614503	NonCancer	3.52E-03	1.20E-05	2.22E-03	0.00E+00	0.00E+00	2.22E-03	1.20E-05	0.00E+00	1.20E-05	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	3.52E-03
68	ALL	489547.7	3614542	NonCancer	6.23E-03	2.12E-05	3.92E-03	0.00E+00	0.00E+00	3.92E-03	2.12E-05	0.00E+00	2.12E-05	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	6.23E-03
69	ALL	489536.9	3614561	NonCancer	2.43E-03	8.26E-06	1.53E-03	0.00E+00	0.00E+00	1.53E-03	8.26E-06	0.00E+00	8.26E-06	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.43E-03
70	ALL	489515.1	3614601	NonCancer	1.63E-03	5.55E-06	1.03E-03	0.00E+00	0.00E+00	1.03E-03	5.55E-06	0.00E+00	5.55E-06	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.63E-03
71	ALL	489493.4	3614640	NonCancer	1.04E-03	3.52E-06	6.53E-04	0.00E+00	0.00E+00	6.53E-04	3.52E-06	0.00E+00	3.52E-06	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	1.04E-03
72	ALL	489482.6	3614659	NonCancer	8.94E-04	3.04E-06	5.63E-04	0.00E+00	0.00E+00	5.63E-04	3.04E-06	0.00E+00	3.04E-06	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	8.94E-04
73	ALL	489439.4	3614705	NonCancer	1.35E-03	4.58E-06	8.49E-04	0.00E+00	0.00E+00	8.49E-04	4.58E-06	0.00E+00	4.58E-06	0.00E+00	0.00E+00	8.49E-04	0.00E+00	0.00E+00	1.35E-03
74	ALL	489396.3	3614717	NonCancer	1.78E-03	6.05E-06	1.12E-03	0.00E+00	0.00E+00	1.12E-03	6.05E-06	0.00E+00	6.05E-06	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	1.78E-03
75	ALL	489353.3	3614730	NonCancer	1.61E-03	5.46E-06	1.01E-03	0.00E+00	0.00E+00	1.01E-03	5.46E-06	0.00E+00	5.46E-06	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.61E-03
76	ALL	489310.3	3614743	NonCancer	1.71E-03	5.80E-06	1.07E-03	0.00E+00	0.00E+00	1.07E-03	5.80E-06	0.00E+00	5.80E-06	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.71E-03
77	ALL	489267.3	3614755	NonCancer	2.05E-03	6.96E-06	1.29E-03	0.00E+00	0.00E+00	1.29E-03	6.96E-06	0.00E+00	6.96E-06	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.05E-03
78	ALL	489224.3	3614768	NonCancer	1.73E-03	5.88E-06	1.09E-03	0.00E+00	0.00E+00	1.09E-03	5.88E-06	0.00E+00	5.88E-06	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	1.73E-03
79	ALL	489181.2	3614780	NonCancer	1.89E-03	6.41E-06	1.19E-03	0.00E+00	0.00E+00	1.19E-03	6.41E-06	0.00E+00	6.41E-06	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	1.89E-03
80	ALL	489138.2	3614793	NonCancer	2.56E-03	8.70E-06	1.61E-03	0.00E+00	0.00E+00	1.61E-03	8.70E-06	0.00E+00	8.70E-06	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.56E-03
81	ALL	489648	3614343	NonCancer	1.16E-03	3.94E-06	7.29E-04	0.00E+00	0.00E+00	7.29E-04	3.94E-06	0.00E+00	3.94E-06	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	1.16E-03
82	ALL	489734.2	3614396	NonCancer	7.38E-04	2.51E-06	4.65E-04	0.00E+00	0.00E+00	4.65E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	7.38E-04
83	ALL	489713.1	3614434	NonCancer	7.57E-04	2.57E-06	4.76E-04	0.00E+00	0.00E+00	4.76E-04	2.57E-06	0.00E+00	2.57E-06	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	7.57E-04
84	ALL	489692	3614472	NonCancer	7.69E-04	2.61E-06	4.84E-04	0.00E+00	0.00E+00	4.84E-04	2.61E-06	0.00E+00	2.61E-06	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	7.69E-04
85	ALL	489670.9	3614510	NonCancer	7.75E-04	2.63E-06	4.88E-04	0.00E+00	0.00E+00	4.88E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	7.75E-04
86	ALL	489649.8	3614548	NonCancer	1.29E-03	4.40E-06	8.14E-04	0.00E+00	0.00E+00	8.14E-04	4.40E-06	0.00E+00	4.40E-06	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00	1.29E-03
87	ALL	489628.8	3614586	NonCancer	1.89E-03	6.42E-06	1.19E-03	0.00E+00	0.00E+00	1.19E-03	6.42E-06	0.00E+00	6.42E-06	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	1.89E-03
88	ALL	489607.7	3614624	NonCancer	1.90E-03	6.46E-06	1.20E-03	0.00E+00	0.00E+00	1.20E-03	6.46E-06	0.00E+00	6.46E-06	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	1.90E-03
89	ALL	489586.6	3614663	NonCancer	1.34E-03	4.57E-06	8.46E-04	0.00E+00	0.00E+00	8.46E-04	4.57E-06	0.00E+00	4.57E-06	0.00E+00	0.00E+00	8.46E-04	0.00E+00	0.00E+00	1.34E-03
90	ALL	489565.5	3614701	NonCancer	9.14E-04	3.11E-06	5.76E-04	0.00E+00	0.00E+00	5.76E-04	3.11E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	9.14E-04
91	ALL	489544.4	3614739	NonCancer	6.73E-04	2.29E-06	4.24E-04	0.00E+00	0.00E+00	4.24E-04	2.29E-06	0.00E+00	2.29E-06	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	6.73E-04
92	ALL	489502.4	3614783	NonCancer	8.99E-04	3.06E-06	5.66E-04	0.00E+00	0.00E+00	5.66E-04	3.06E-06	0.00E+00	3.06E-06	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	8.99E-04
93	ALL	489460.6	3614795	NonCancer	1.29E-03	4.38E-06	8.12E-04	0.00E+00	0.00E+00	8.12E-04	4.38E-06	0.00E+00	4.38E-06	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	1.29E-03
94	ALL	489418.8	3614807	NonCancer	1.42E-03	4.84E-06	8.96E-04	0.00E+00	0.00E+00	8.96E-04	4.84E-06	0.00E+00	4.84E-06	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00	1.42E-03
95	ALL	489377	3614819	NonCancer	1.18E-03	4.00E-06	7.40E-04	0.00E+00	0.00E+00	7.40E-04	4.00E-06	0.00E+00	4.00E-06	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00	1.18E-03
96	ALL	489335.2	3614832	NonCancer	1.34E-03	4.55E-06	8.43E-04	0.00E+00	0.00E+00	8.43E-04	4.55E-06	0.00E+00	4.55E-06	0.00E+00	0.00E+00	8.43E-04	0.00E+00	0.00E+00	1.34E-03
97	ALL	489293.4	3614844	NonCancer	1.62E-03	5.50E-06	1.02E-03	0.00E+00	0.00E+00	1.02E-03	5.50E-06	0.00E+00	5.50E-06	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.62E-03
98	ALL	489251.7	3614856	NonCancer	1.50E-03	5.11E-06	9.46E-04	0.00E+00	0.00E+00	9.46E-04	5.11E-06	0.00E+00	5.11E-06	0.00E+00	0.00E+00	9.46E-04	0.00E+00	0.00E+00	1.50E-03
99	ALL	489209.9	3614868	NonCancer	1.08E-03	3.67E-06	6.80E-04	0.00E+00	0.00E+00	6.80E-04	3.67E-06	0.00E+00	3.67E-06	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	1.08E-03
100	ALL	489168.1	3614880	NonCancer	1.70E-03	5.79E-06	1.07E-03	0.00E+00	0.00E+00	1.07E-03	5.79E-06	0.00E+00	5.79E-06	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.70E-03
101	ALL	489126.3	3614892	NonCancer	2.05E-03	6.97E-06	1.29E-03	0.00E+00	0.00E+00	1.29E-03	6.97E-06	0.00E+00	6.97E-06	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.05E-03
102	ALL	489747.3	3614355	NonCancer	9.42E-04	3.20E-06	5.93E-04	0.00E+00	0.00E+00	5.93E-04	3.20E-06	0.00E+00	3.20E-06	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	9.42E-04
103	ALL	489833.3	3614408	NonCancer	5.70E-04	1.94E-06	3.59E-04	0.00E+00	0.00E+00	3.59E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	5.70E-04

104	ALL	489811.8	3614447	NonCancer	5.86E-04	1.99E-06	3.69E-04	0.00E+00	0.00E+00	3.69E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	5.86E-04
105	ALL	489790.3	3614486	NonCancer	5.98E-04	2.03E-06	3.76E-04	0.00E+00	0.00E+00	3.76E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	5.98E-04
106	ALL	489768.7	3614524	NonCancer	6.06E-04	2.06E-06	3.82E-04	0.00E+00	0.00E+00	3.82E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	6.06E-04
107	ALL	489747.2	3614563	NonCancer	6.09E-04	2.07E-06	3.83E-04	0.00E+00	0.00E+00	3.83E-04	2.07E-06	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	6.09E-04
108	ALL	489725.7	3614602	NonCancer	1.06E-03	3.62E-06	6.70E-04	0.00E+00	0.00E+00	6.70E-04	3.62E-06	0.00E+00	3.62E-06	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00	1.06E-03
109	ALL	489704.1	3614641	NonCancer	1.51E-03	5.14E-06	9.52E-04	0.00E+00	0.00E+00	9.52E-04	5.14E-06	0.00E+00	5.14E-06	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	1.51E-03
110	ALL	489682.6	3614680	NonCancer	1.57E-03	5.34E-06	9.89E-04	0.00E+00	0.00E+00	9.89E-04	5.34E-06	0.00E+00	5.34E-06	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00	1.57E-03
111	ALL	489661.1	3614719	NonCancer	1.20E-03	4.09E-06	7.57E-04	0.00E+00	0.00E+00	7.57E-04	4.09E-06	0.00E+00	4.09E-06	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	1.20E-03
112	ALL	489639.6	3614758	NonCancer	8.28E-04	2.82E-06	5.21E-04	0.00E+00	0.00E+00	5.21E-04	2.82E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	8.28E-04
113	ALL	489618	3614797	NonCancer	5.71E-04	1.94E-06	3.60E-04	0.00E+00	0.00E+00	3.60E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	5.71E-04
114	ALL	489596.5	3614835	NonCancer	3.64E-03	1.24E-05	2.29E-03	0.00E+00	0.00E+00	2.29E-03	1.24E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	3.64E-03
115	ALL	489564.4	3614861	NonCancer	4.19E-03	1.42E-05	2.64E-03	0.00E+00	0.00E+00	2.64E-03	1.42E-05	0.00E+00	1.42E-05	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.19E-03
116	ALL	489521.7	3614874	NonCancer	9.38E-04	3.19E-06	5.91E-04	0.00E+00	0.00E+00	5.91E-04	3.19E-06	0.00E+00	3.19E-06	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	9.38E-04
117	ALL	489479.1	3614886	NonCancer	1.15E-03	3.92E-06	7.26E-04	0.00E+00	0.00E+00	7.26E-04	3.92E-06	0.00E+00	3.92E-06	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00	1.15E-03
118	ALL	489436.4	3614898	NonCancer	1.10E-03	3.75E-06	6.95E-04	0.00E+00	0.00E+00	6.95E-04	3.75E-06	0.00E+00	3.75E-06	0.00E+00	0.00E+00	6.95E-04	0.00E+00	0.00E+00	1.10E-03
119	ALL	489393.8	3614911	NonCancer	9.06E-04	3.08E-06	5.71E-04	0.00E+00	0.00E+00	5.71E-04	3.08E-06	0.00E+00	3.08E-06	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	9.06E-04
120	ALL	489351.1	3614923	NonCancer	1.15E-03	3.92E-06	7.26E-04	0.00E+00	0.00E+00	7.26E-04	3.92E-06	0.00E+00	3.92E-06	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00	1.15E-03
121	ALL	489308.4	3614936	NonCancer	1.34E-03	4.54E-06	8.41E-04	0.00E+00	0.00E+00	8.41E-04	4.54E-06	0.00E+00	4.54E-06	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00	1.34E-03
122	ALL	489265.8	3614948	NonCancer	1.23E-03	4.19E-06	7.76E-04	0.00E+00	0.00E+00	7.76E-04	4.19E-06	0.00E+00	4.19E-06	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00	1.23E-03
123	ALL	489223.1	3614961	NonCancer	9.13E-04	3.10E-06	5.75E-04	0.00E+00	0.00E+00	5.75E-04	3.10E-06	0.00E+00	3.10E-06	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	9.13E-04
124	ALL	489180.4	3614973	NonCancer	1.23E-03	4.18E-06	7.74E-04	0.00E+00	0.00E+00	7.74E-04	4.18E-06	0.00E+00	4.18E-06	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00	1.23E-03
125	ALL	489137.8	3614985	NonCancer	1.64E-03	5.56E-06	1.03E-03	0.00E+00	0.00E+00	1.03E-03	5.56E-06	0.00E+00	5.56E-06	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.64E-03
126	ALL	489095.1	3614998	NonCancer	1.62E-03	5.51E-06	1.02E-03	0.00E+00	0.00E+00	1.02E-03	5.51E-06	0.00E+00	5.51E-06	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.62E-03
127	ALL	489846.7	3614366	NonCancer	7.65E-04	2.60E-06	4.81E-04	0.00E+00	0.00E+00	4.81E-04	2.60E-06	0.00E+00	2.60E-06	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	7.65E-04
128	ALL	489932.9	3614419	NonCancer	4.94E-04	1.68E-06	3.11E-04	0.00E+00	0.00E+00	3.11E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	4.94E-04
129	ALL	489911.8	3614457	NonCancer	4.67E-04	1.59E-06	2.94E-04	0.00E+00	0.00E+00	2.94E-04	1.59E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	4.67E-04
130	ALL	489890.7	3614495	NonCancer	4.76E-04	1.62E-06	2.99E-04	0.00E+00	0.00E+00	2.99E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	4.76E-04
131	ALL	489869.6	3614533	NonCancer	4.80E-04	1.63E-06	3.03E-04	0.00E+00	0.00E+00	3.03E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	4.80E-04
132	ALL	489848.5	3614571	NonCancer	4.87E-04	1.66E-06	3.07E-04	0.00E+00	0.00E+00	3.07E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	4.87E-04
133	ALL	489827.4	3614609	NonCancer	4.87E-04	1.66E-06	3.07E-04	0.00E+00	0.00E+00	3.07E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	4.87E-04
134	ALL	489806.3	3614647	NonCancer	8.02E-04	2.73E-06	5.05E-04	0.00E+00	0.00E+00	5.05E-04	2.73E-06	0.00E+00	2.73E-06	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	8.02E-04
135	ALL	489785.3	3614686	NonCancer	1.17E-03	3.98E-06	7.37E-04	0.00E+00	0.00E+00	7.37E-04	3.98E-06	0.00E+00	3.98E-06	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	1.17E-03
136	ALL	489764.2	3614724	NonCancer	1.34E-03	4.54E-06	8.41E-04	0.00E+00	0.00E+00	8.41E-04	4.54E-06	0.00E+00	4.54E-06	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00	1.34E-03
137	ALL	489743.1	3614762	NonCancer	1.18E-03	4.03E-06	7.46E-04	0.00E+00	0.00E+00	7.46E-04	4.03E-06	0.00E+00	4.03E-06	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00	1.18E-03
138	ALL	489722	3614800	NonCancer	8.32E-04	2.83E-06	5.24E-04	0.00E+00	0.00E+00	5.24E-04	2.83E-06	0.00E+00	2.83E-06	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	8.32E-04
139	ALL	489700.9	3614838	NonCancer	6.35E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.35E-04
140	ALL	489679.8	3614876	NonCancer	4.44E-04	1.51E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.44E-04
141	ALL	489658.7	3614914	NonCancer	4.03E-04	1.37E-06	2.54E-04	0.00E+00	0.00E+00	2.54E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	4.03E-04
142	ALL	489627.3	3614939	NonCancer	3.63E-03	1.24E-05	2.29E-03	0.00E+00	0.00E+00	2.29E-03	1.24E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	3.63E-03
143	ALL	489585.5	3614951	NonCancer	4.01E-03	1.36E-05	2.52E-03	0.00E+00	0.00E+00	2.52E-03	1.36E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.01E-03
144	ALL	489543.7	3614963	NonCancer	8.97E-04	3.05E-06	5.64E-04	0.00E+00	0.00E+00	5.64E-04	3.05E-06	0.00E+00	3.05E-06	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	8.97E-04
145	ALL	489501.9	3614976	NonCancer	9.81E-04	3.34E-06	6.18E-04	0.00E+00	0.00E+00	6.18E-04	3.34E-06	0.00E+00	3.34E-06	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	9.81E-04
146	ALL	489460.1	3614988	NonCancer	8.71E-04	2.96E-06	5.49E-04	0.00E+00	0.00E+00	5.49E-04	2.96E-06	0.00E+00	2.96E-06	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	8.71E-04
147	ALL	489418.3	3615000	NonCancer	7.37E-04	2.50E-06	4.64E-04	0.00E+00	0.00E+00	4.64E-04	2.50E-06	0.00E+00	2.50E-06	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	7.37E-04
148	ALL	489376.5	3615012	NonCancer	9.53E-04	3.24E-06	6.00E-04	0.00E+00	0.00E+00	6.00E-04	3.24E-06	0.00E+00	3.24E-06	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	9.53E-04
149	ALL	489334.7	3615024	NonCancer	1.12E-03	3.79E-06	7.02E-04	0.00E+00	0.00E+00	7.02E-04	3.79E-06	0.00E+00	3.79E-06	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00	1.12E-03
150	ALL	489292.9	3615037	NonCancer	1.08E-03	3.68E-06	6.82E-04	0.00E+00	0.00E+00	6.82E-04	3.68E-06	0.00E+00	3.68E-06	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00	1.08E-03
151	ALL	489251.1	3615049	NonCancer	8.81E-04	2.99E-06	5.55E-04	0.00E+00	0.00E+00	5.55E-04	2.99E-06	0.00E+00	2.99E-06	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	8.81E-04
152	ALL	489209.4	3615061	NonCancer	7.36E-04	2.50E-06	4.63E-04	0.00E+00	0.00E+00	4.63E-04	2.50E-06	0.00E+00	2.50E-06	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	7.36E-04
153	ALL	489167.6	3615073	NonCancer	1.15E-03	3.89E-06	7.21E-04	0.00E+00	0.00E+00	7.21E-04	3.89E-06	0.00E+00	3.89E-06	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	1.15E-03
154	ALL	489125.8	3615085	NonCancer	1.37E-03	4.66E-06	8.62E-04	0.00E+00	0.00E+00	8.62E-04	4.66E-06	0.00E+00	4.66E-06	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00	1.37E-03
155	ALL	489084	3615097	NonCancer	1.33E-03	4.51E-06	8.35E-04	0.00E+00	0.00E+00	8.35E-04	4.51E-06	0.00E+00	4.51E-06	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	1.33E-03

156	ALL	489946	3614377	NonCancer	6.39E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.39E-04
157	ALL	490131.2	3614442	NonCancer	3.82E-04	1.30E-06	2.40E-04	0.00E+00	0.00E+00	2.40E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	3.82E-04
158	ALL	490109.5	3614482	NonCancer	3.28E-04	1.12E-06	2.07E-04	0.00E+00	0.00E+00	2.07E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	3.28E-04
159	ALL	490087.8	3614521	NonCancer	3.31E-04	1.13E-06	2.09E-04	0.00E+00	0.00E+00	2.09E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.31E-04
160	ALL	490077	3614540	NonCancer	3.22E-04	1.09E-06	2.03E-04	0.00E+00	0.00E+00	2.03E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	3.22E-04
161	ALL	490055.3	3614580	NonCancer	3.25E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.25E-04
162	ALL	490033.6	3614619	NonCancer	3.45E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.45E-04
163	ALL	490022.7	3614638	NonCancer	3.44E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.44E-04
164	ALL	490001	3614678	NonCancer	3.32E-04	1.13E-06	2.09E-04	0.00E+00	0.00E+00	2.09E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.32E-04
165	ALL	489979.3	3614717	NonCancer	3.69E-04	1.25E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.69E-04
166	ALL	489968.4	3614736	NonCancer	4.80E-04	1.63E-06	3.02E-04	0.00E+00	0.00E+00	3.02E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	4.80E-04
167	ALL	489946.7	3614776	NonCancer	7.31E-04	2.49E-06	4.61E-04	0.00E+00	0.00E+00	4.61E-04	2.49E-06	0.00E+00	2.49E-06	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	7.31E-04
168	ALL	489925	3614815	NonCancer	9.29E-04	3.16E-06	5.85E-04	0.00E+00	0.00E+00	5.85E-04	3.16E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	9.29E-04
169	ALL	489914.1	3614834	NonCancer	9.71E-04	3.30E-06	6.12E-04	0.00E+00	0.00E+00	6.12E-04	3.30E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	9.71E-04
170	ALL	489892.4	3614874	NonCancer	9.15E-04	3.11E-06	5.76E-04	0.00E+00	0.00E+00	5.76E-04	3.11E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	9.15E-04
171	ALL	489870.7	3614913	NonCancer	7.14E-04	2.43E-06	4.50E-04	0.00E+00	0.00E+00	4.50E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	7.14E-04
172	ALL	489859.9	3614932	NonCancer	5.91E-04	2.01E-06	3.72E-04	0.00E+00	0.00E+00	3.72E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	5.91E-04
173	ALL	489838.2	3614972	NonCancer	4.81E-04	1.63E-06	3.03E-04	0.00E+00	0.00E+00	3.03E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	4.81E-04
174	ALL	489816.5	3615011	NonCancer	3.56E-04	1.21E-06	2.24E-04	0.00E+00	0.00E+00	2.24E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.56E-04
175	ALL	489805.6	3615030	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
176	ALL	489783.9	3615070	NonCancer	2.95E-04	1.00E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.95E-04
177	ALL	489751.5	3615096	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
178	ALL	489708.5	3615108	NonCancer	4.17E-04	1.42E-06	2.63E-04	0.00E+00	0.00E+00	2.63E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	4.17E-04
179	ALL	489665.5	3615121	NonCancer	3.24E-03	1.10E-05	2.04E-03	0.00E+00	0.00E+00	2.04E-03	1.10E-05	0.00E+00	1.10E-05	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.24E-03
180	ALL	489622.5	3615133	NonCancer	6.77E-04	2.30E-06	4.26E-04	0.00E+00	0.00E+00	4.26E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	6.77E-04
181	ALL	489579.4	3615146	NonCancer	7.26E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.26E-04
182	ALL	489536.4	3615158	NonCancer	6.59E-04	2.24E-06	4.15E-04	0.00E+00	0.00E+00	4.15E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	6.59E-04
183	ALL	489493.4	3615171	NonCancer	5.80E-04	1.97E-06	3.65E-04	0.00E+00	0.00E+00	3.65E-04	1.97E-06	0.00E+00	1.97E-06	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	5.80E-04
184	ALL	489450.4	3615183	NonCancer	5.90E-04	2.01E-06	3.72E-04	0.00E+00	0.00E+00	3.72E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	5.90E-04
185	ALL	489407.4	3615196	NonCancer	7.57E-04	2.57E-06	4.77E-04	0.00E+00	0.00E+00	4.77E-04	2.57E-06	0.00E+00	2.57E-06	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	7.57E-04
186	ALL	489364.3	3615208	NonCancer	8.39E-04	2.85E-06	5.28E-04	0.00E+00	0.00E+00	5.28E-04	2.85E-06	0.00E+00	2.85E-06	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	8.39E-04
187	ALL	489321.3	3615221	NonCancer	8.03E-04	2.73E-06	5.06E-04	0.00E+00	0.00E+00	5.06E-04	2.73E-06	0.00E+00	2.73E-06	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	8.03E-04
188	ALL	489278.3	3615233	NonCancer	6.66E-04	2.26E-06	4.19E-04	0.00E+00	0.00E+00	4.19E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	6.66E-04
189	ALL	489235.3	3615246	NonCancer	4.80E-04	1.63E-06	3.02E-04	0.00E+00	0.00E+00	3.02E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	4.80E-04
190	ALL	489192.3	3615258	NonCancer	6.72E-04	2.28E-06	4.23E-04	0.00E+00	0.00E+00	4.23E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	6.72E-04
191	ALL	489149.2	3615271	NonCancer	9.31E-04	3.16E-06	5.86E-04	0.00E+00	0.00E+00	5.86E-04	3.16E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	9.31E-04
192	ALL	489106.2	3615284	NonCancer	1.06E-03	3.60E-06	6.67E-04	0.00E+00	0.00E+00	6.67E-04	3.60E-06	0.00E+00	3.60E-06	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	1.06E-03
193	ALL	489063.2	3615296	NonCancer	1.00E-03	3.41E-06	6.32E-04	0.00E+00	0.00E+00	6.32E-04	3.41E-06	0.00E+00	3.41E-06	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	1.00E-03
194	ALL	490142.1	3614423	NonCancer	4.24E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.24E-04
195	ALL	490330	3614465	NonCancer	3.06E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.06E-04
196	ALL	490308.4	3614504	NonCancer	2.47E-04	8.39E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.39E-07	0.00E+00	8.39E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.47E-04
197	ALL	490286.8	3614543	NonCancer	2.46E-04	8.35E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.35E-07	0.00E+00	8.35E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.46E-04
198	ALL	490265.2	3614582	NonCancer	2.49E-04	8.47E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.47E-07	0.00E+00	8.47E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.49E-04
199	ALL	490243.6	3614621	NonCancer	2.53E-04	8.58E-07	1.59E-04	0.00E+00	0.00E+00	1.59E-04	8.58E-07	0.00E+00	8.58E-07	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	2.53E-04
200	ALL	490222	3614660	NonCancer	2.76E-04	9.38E-07	1.74E-04	0.00E+00	0.00E+00	1.74E-04	9.38E-07	0.00E+00	9.38E-07	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	2.76E-04
201	ALL	490200.4	3614699	NonCancer	2.95E-04	1.00E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.95E-04
202	ALL	490178.8	3614738	NonCancer	2.85E-04	9.70E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.70E-07	0.00E+00	9.70E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.85E-04
203	ALL	490157.1	3614777	NonCancer	2.54E-04	8.64E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.64E-07	0.00E+00	8.64E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.54E-04
204	ALL	490135.5	3614816	NonCancer	6.95E-04	2.36E-06	4.38E-04	0.00E+00	0.00E+00	4.38E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	6.95E-04
205	ALL	490113.9	3614855	NonCancer	1.21E-03	4.12E-06	7.63E-04	0.00E+00	0.00E+00	7.63E-04	4.12E-06	0.00E+00	4.12E-06	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00	1.21E-03
206	ALL	490092.3	3614894	NonCancer	1.56E-03	5.30E-06	9.81E-04	0.00E+00	0.00E+00	9.81E-04	5.30E-06	0.00E+00	5.30E-06	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	1.56E-03
207	ALL	490070.7	3614933	NonCancer	2.13E-03	7.24E-06	1.34E-03	0.00E+00	0.00E+00	1.34E-03	7.24E-06	0.00E+00	7.24E-06	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.13E-03

208	ALL	490049.1	3614972	NonCancer	2.10E-03	7.14E-06	1.32E-03	0.00E+00	0.00E+00	1.32E-03	7.14E-06	0.00E+00	7.14E-06	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.10E-03
209	ALL	490027.5	3615011	NonCancer	1.97E-03	6.71E-06	1.24E-03	0.00E+00	0.00E+00	1.24E-03	6.71E-06	0.00E+00	6.71E-06	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	1.97E-03
210	ALL	490005.9	3615050	NonCancer	1.93E-03	6.55E-06	1.21E-03	0.00E+00	0.00E+00	1.21E-03	6.55E-06	0.00E+00	6.55E-06	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	1.93E-03
211	ALL	489984.3	3615089	NonCancer	1.73E-03	5.87E-06	1.09E-03	0.00E+00	0.00E+00	1.09E-03	5.87E-06	0.00E+00	5.87E-06	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	1.73E-03
212	ALL	489962.7	3615128	NonCancer	1.87E-03	6.37E-06	1.18E-03	0.00E+00	0.00E+00	1.18E-03	6.37E-06	0.00E+00	6.37E-06	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	1.87E-03
213	ALL	489941.1	3615167	NonCancer	1.72E-03	5.86E-06	1.08E-03	0.00E+00	0.00E+00	1.08E-03	5.86E-06	0.00E+00	5.86E-06	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.72E-03
214	ALL	489919.5	3615206	NonCancer	1.25E-03	4.24E-06	7.85E-04	0.00E+00	0.00E+00	7.85E-04	4.24E-06	0.00E+00	4.24E-06	0.00E+00	0.00E+00	7.85E-04	0.00E+00	0.00E+00	1.25E-03
215	ALL	489876.5	3615252	NonCancer	1.17E-03	3.98E-06	7.38E-04	0.00E+00	0.00E+00	7.38E-04	3.98E-06	0.00E+00	3.98E-06	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00	1.17E-03
216	ALL	489833.7	3615264	NonCancer	2.69E-04	9.14E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.14E-07	0.00E+00	9.14E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.69E-04
217	ALL	489790.9	3615277	NonCancer	3.53E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.53E-04
218	ALL	489748.1	3615289	NonCancer	4.37E-04	1.48E-06	2.75E-04	0.00E+00	0.00E+00	2.75E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	4.37E-04
219	ALL	489705.3	3615302	NonCancer	5.29E-04	1.80E-06	3.33E-04	0.00E+00	0.00E+00	3.33E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	5.29E-04
220	ALL	489662.4	3615314	NonCancer	5.68E-04	1.93E-06	3.58E-04	0.00E+00	0.00E+00	3.58E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	5.68E-04
221	ALL	489619.6	3615327	NonCancer	5.32E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.32E-04
222	ALL	489576.8	3615339	NonCancer	4.78E-04	1.62E-06	3.01E-04	0.00E+00	0.00E+00	3.01E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	4.78E-04
223	ALL	489534	3615352	NonCancer	4.14E-04	1.41E-06	2.61E-04	0.00E+00	0.00E+00	2.61E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	4.14E-04
224	ALL	489491.2	3615364	NonCancer	4.84E-04	1.64E-06	3.05E-04	0.00E+00	0.00E+00	3.05E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	4.84E-04
225	ALL	489448.4	3615376	NonCancer	5.96E-04	2.03E-06	3.75E-04	0.00E+00	0.00E+00	3.75E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	5.96E-04
226	ALL	489405.6	3615389	NonCancer	6.53E-04	2.22E-06	4.11E-04	0.00E+00	0.00E+00	4.11E-04	2.22E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	6.53E-04
227	ALL	489362.8	3615401	NonCancer	6.40E-04	2.18E-06	4.03E-04	0.00E+00	0.00E+00	4.03E-04	2.18E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	6.40E-04
228	ALL	489320	3615414	NonCancer	5.64E-04	1.92E-06	3.55E-04	0.00E+00	0.00E+00	3.55E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	5.64E-04
229	ALL	489277.1	3615426	NonCancer	4.44E-04	1.51E-06	2.80E-04	0.00E+00	0.00E+00	2.80E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	4.44E-04
230	ALL	489234.3	3615439	NonCancer	3.40E-04	1.16E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.40E-04
231	ALL	489191.5	3615451	NonCancer	5.27E-04	1.79E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.27E-04
232	ALL	489148.7	3615464	NonCancer	7.08E-04	2.41E-06	4.46E-04	0.00E+00	0.00E+00	4.46E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	7.08E-04
233	ALL	489105.9	3615476	NonCancer	8.20E-04	2.79E-06	5.16E-04	0.00E+00	0.00E+00	5.16E-04	2.79E-06	0.00E+00	2.79E-06	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	8.20E-04
234	ALL	489063.1	3615489	NonCancer	8.21E-04	2.79E-06	5.17E-04	0.00E+00	0.00E+00	5.17E-04	2.79E-06	0.00E+00	2.79E-06	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	8.21E-04
235	ALL	490343.4	3614423	NonCancer	3.65E-04	1.24E-06	2.30E-04	0.00E+00	0.00E+00	2.30E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	3.65E-04
236	ALL	490528.7	3614488	NonCancer	7.06E-04	2.40E-06	4.44E-04	0.00E+00	0.00E+00	4.44E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	7.06E-04
237	ALL	490507.2	3614527	NonCancer	6.24E-04	2.12E-06	3.93E-04	0.00E+00	0.00E+00	3.93E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	6.24E-04
238	ALL	490485.6	3614566	NonCancer	7.27E-04	2.47E-06	4.58E-04	0.00E+00	0.00E+00	4.58E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	7.27E-04
239	ALL	490464.1	3614605	NonCancer	7.12E-04	2.42E-06	4.48E-04	0.00E+00	0.00E+00	4.48E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	7.12E-04
240	ALL	490442.6	3614644	NonCancer	6.04E-04	2.05E-06	3.81E-04	0.00E+00	0.00E+00	3.81E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	6.04E-04
241	ALL	490421	3614683	NonCancer	2.06E-04	7.00E-07	1.30E-04	0.00E+00	0.00E+00	1.30E-04	7.00E-07	0.00E+00	7.00E-07	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	2.06E-04
242	ALL	490399.5	3614721	NonCancer	2.40E-04	8.15E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.15E-07	0.00E+00	8.15E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04
243	ALL	490378	3614760	NonCancer	2.61E-04	8.88E-07	1.65E-04	0.00E+00	0.00E+00	1.65E-04	8.88E-07	0.00E+00	8.88E-07	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	2.61E-04
244	ALL	490356.5	3614799	NonCancer	2.61E-04	8.87E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.87E-07	0.00E+00	8.87E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.61E-04
245	ALL	490334.9	3614838	NonCancer	2.39E-04	8.13E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.13E-07	0.00E+00	8.13E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.39E-04
246	ALL	490313.4	3614877	NonCancer	2.02E-04	6.87E-07	1.27E-04	0.00E+00	0.00E+00	1.27E-04	6.87E-07	0.00E+00	6.87E-07	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	2.02E-04
247	ALL	490291.9	3614916	NonCancer	2.19E-04	7.43E-07	1.38E-04	0.00E+00	0.00E+00	1.38E-04	7.43E-07	0.00E+00	7.43E-07	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	2.19E-04
248	ALL	490270.3	3614955	NonCancer	7.40E-04	2.52E-06	4.66E-04	0.00E+00	0.00E+00	4.66E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	7.40E-04
249	ALL	490248.8	3614994	NonCancer	8.87E-04	3.02E-06	5.59E-04	0.00E+00	0.00E+00	5.59E-04	3.02E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	8.87E-04
250	ALL	490227.3	3615032	NonCancer	5.59E-04	1.90E-06	3.52E-04	0.00E+00	0.00E+00	3.52E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	5.59E-04
251	ALL	490205.8	3615071	NonCancer	6.07E-04	2.06E-06	3.82E-04	0.00E+00	0.00E+00	3.82E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	6.07E-04
252	ALL	490184.2	3615110	NonCancer	5.85E-04	1.99E-06	3.68E-04	0.00E+00	0.00E+00	3.68E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	5.85E-04
253	ALL	490162.7	3615149	NonCancer	1.11E-03	3.77E-06	6.98E-04	0.00E+00	0.00E+00	6.98E-04	3.77E-06	0.00E+00	3.77E-06	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	1.11E-03
254	ALL	490141.2	3615188	NonCancer	1.57E-03	5.32E-06	9.86E-04	0.00E+00	0.00E+00	9.86E-04	5.32E-06	0.00E+00	5.32E-06	0.00E+00	0.00E+00	9.86E-04	0.00E+00	0.00E+00	1.57E-03
255	ALL	490119.6	3615227	NonCancer	1.49E-03	5.05E-06	9.35E-04	0.00E+00	0.00E+00	9.35E-04	5.05E-06	0.00E+00	5.05E-06	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00	1.49E-03
256	ALL	490098.1	3615266	NonCancer	1.74E-03	5.91E-06	1.09E-03	0.00E+00	0.00E+00	1.09E-03	5.91E-06	0.00E+00	5.91E-06	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	1.74E-03
257	ALL	490076.6	3615305	NonCancer	1.90E-03	6.45E-06	1.20E-03	0.00E+00	0.00E+00	1.20E-03	6.45E-06	0.00E+00	6.45E-06	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	1.90E-03
258	ALL	490055.1	3615343	NonCancer	1.69E-03	5.74E-06	1.06E-03	0.00E+00	0.00E+00	1.06E-03	5.74E-06	0.00E+00	5.74E-06	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.69E-03
259	ALL	490033.5	3615382	NonCancer	1.47E-03	4.98E-06	9.23E-04	0.00E+00	0.00E+00	9.23E-04	4.98E-06	0.00E+00	4.98E-06	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00	1.47E-03

260	ALL	490001.4	3615408	NonCancer	1.85E-03	6.28E-06	1.16E-03	0.00E+00	0.00E+00	1.16E-03	6.28E-06	0.00E+00	6.28E-06	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	1.85E-03
261	ALL	489958.8	3615420	NonCancer	1.96E-03	6.67E-06	1.23E-03	0.00E+00	0.00E+00	1.23E-03	6.67E-06	0.00E+00	6.67E-06	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	1.96E-03
262	ALL	489916.1	3615433	NonCancer	1.56E-03	5.29E-06	9.80E-04	0.00E+00	0.00E+00	9.80E-04	5.29E-06	0.00E+00	5.29E-06	0.00E+00	0.00E+00	9.80E-04	0.00E+00	0.00E+00	1.56E-03
263	ALL	489873.5	3615445	NonCancer	1.37E-03	4.65E-06	8.61E-04	0.00E+00	0.00E+00	8.61E-04	4.65E-06	0.00E+00	4.65E-06	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00	1.37E-03
264	ALL	489830.8	3615458	NonCancer	1.21E-03	4.12E-06	7.64E-04	0.00E+00	0.00E+00	7.64E-04	4.12E-06	0.00E+00	4.12E-06	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00	1.21E-03
265	ALL	489788.1	3615470	NonCancer	1.20E-03	4.07E-06	7.53E-04	0.00E+00	0.00E+00	7.53E-04	4.07E-06	0.00E+00	4.07E-06	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00	1.20E-03
266	ALL	489745.5	3615483	NonCancer	4.58E-04	1.56E-06	2.88E-04	0.00E+00	0.00E+00	2.88E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	4.58E-04
267	ALL	489702.8	3615495	NonCancer	4.38E-04	1.49E-06	2.76E-04	0.00E+00	0.00E+00	2.76E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	4.38E-04
268	ALL	489660.1	3615507	NonCancer	3.96E-04	1.35E-06	2.49E-04	0.00E+00	0.00E+00	2.49E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	3.96E-04
269	ALL	489617.5	3615520	NonCancer	3.65E-04	1.24E-06	2.30E-04	0.00E+00	0.00E+00	2.30E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	3.65E-04
270	ALL	489574.8	3615532	NonCancer	3.09E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.09E-04
271	ALL	489532.2	3615545	NonCancer	4.05E-04	1.38E-06	2.55E-04	0.00E+00	0.00E+00	2.55E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	4.05E-04
272	ALL	489489.5	3615557	NonCancer	4.86E-04	1.65E-06	3.06E-04	0.00E+00	0.00E+00	3.06E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	4.86E-04
273	ALL	489446.8	3615570	NonCancer	5.31E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.31E-04
274	ALL	489404.2	3615582	NonCancer	5.30E-04	1.80E-06	3.34E-04	0.00E+00	0.00E+00	3.34E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	5.30E-04
275	ALL	489361.5	3615594	NonCancer	4.82E-04	1.64E-06	3.04E-04	0.00E+00	0.00E+00	3.04E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	4.82E-04
276	ALL	489318.8	3615607	NonCancer	4.01E-04	1.36E-06	2.53E-04	0.00E+00	0.00E+00	2.53E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	4.01E-04
277	ALL	489276.2	3615619	NonCancer	3.07E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.07E-04
278	ALL	489233.5	3615632	NonCancer	2.88E-04	9.79E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.79E-07	0.00E+00	9.79E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.88E-04
279	ALL	489190.9	3615644	NonCancer	4.26E-04	1.45E-06	2.68E-04	0.00E+00	0.00E+00	2.68E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	4.26E-04
280	ALL	489148.2	3615657	NonCancer	5.61E-04	1.91E-06	3.53E-04	0.00E+00	0.00E+00	3.53E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	5.61E-04
281	ALL	489105.5	3615669	NonCancer	6.54E-04	2.22E-06	4.12E-04	0.00E+00	0.00E+00	4.12E-04	2.22E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	6.54E-04
282	ALL	489062.9	3615681	NonCancer	6.78E-04	2.30E-06	4.27E-04	0.00E+00	0.00E+00	4.27E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	6.78E-04
283	ALL	489020.2	3615694	NonCancer	6.28E-04	2.13E-06	3.95E-04	0.00E+00	0.00E+00	3.95E-04	2.13E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	6.28E-04
284	ALL	490542	3614446	NonCancer	8.79E-04	2.99E-06	5.53E-04	0.00E+00	0.00E+00	5.53E-04	2.99E-06	0.00E+00	2.99E-06	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	8.79E-04
285	ALL	490727.4	3614511	NonCancer	7.53E-04	2.56E-06	4.74E-04	0.00E+00	0.00E+00	4.74E-04	2.56E-06	0.00E+00	2.56E-06	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	7.53E-04
286	ALL	490705.9	3614550	NonCancer	6.89E-04	2.34E-06	4.34E-04	0.00E+00	0.00E+00	4.34E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	6.89E-04
287	ALL	490684.5	3614589	NonCancer	8.11E-04	2.76E-06	5.10E-04	0.00E+00	0.00E+00	5.10E-04	2.76E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	8.11E-04
288	ALL	490663	3614627	NonCancer	8.62E-04	2.93E-06	5.43E-04	0.00E+00	0.00E+00	5.43E-04	2.93E-06	0.00E+00	2.93E-06	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	8.62E-04
289	ALL	490641.5	3614666	NonCancer	9.05E-04	3.08E-06	5.70E-04	0.00E+00	0.00E+00	5.70E-04	3.08E-06	0.00E+00	3.08E-06	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	9.05E-04
290	ALL	490620	3614705	NonCancer	1.23E-03	4.17E-06	7.72E-04	0.00E+00	0.00E+00	7.72E-04	4.17E-06	0.00E+00	4.17E-06	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	1.23E-03
291	ALL	490598.6	3614744	NonCancer	1.36E-03	4.63E-06	8.57E-04	0.00E+00	0.00E+00	8.57E-04	4.63E-06	0.00E+00	4.63E-06	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00	1.36E-03
292	ALL	490577.1	3614783	NonCancer	9.52E-04	3.24E-06	5.99E-04	0.00E+00	0.00E+00	5.99E-04	3.24E-06	0.00E+00	3.24E-06	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00	9.52E-04
293	ALL	490555.6	3614821	NonCancer	2.41E-04	8.18E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.18E-07	0.00E+00	8.18E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.41E-04
294	ALL	490534.1	3614860	NonCancer	2.44E-04	8.29E-07	1.53E-04	0.00E+00	0.00E+00	1.53E-04	8.29E-07	0.00E+00	8.29E-07	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	2.44E-04
295	ALL	490512.7	3614899	NonCancer	2.30E-04	7.83E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.83E-07	0.00E+00	7.83E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
296	ALL	490491.2	3614938	NonCancer	2.06E-04	6.99E-07	1.29E-04	0.00E+00	0.00E+00	1.29E-04	6.99E-07	0.00E+00	6.99E-07	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	2.06E-04
297	ALL	490469.7	3614976	NonCancer	1.69E-04	5.74E-07	1.06E-04	0.00E+00	0.00E+00	1.06E-04	5.74E-07	0.00E+00	5.74E-07	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.69E-04
298	ALL	490448.3	3615015	NonCancer	1.75E-04	5.95E-07	1.10E-04	0.00E+00	0.00E+00	1.10E-04	5.95E-07	0.00E+00	5.95E-07	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	1.75E-04
299	ALL	490426.8	3615054	NonCancer	5.20E-04	1.77E-06	3.27E-04	0.00E+00	0.00E+00	3.27E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	5.20E-04
300	ALL	490405.3	3615093	NonCancer	7.88E-04	2.68E-06	4.96E-04	0.00E+00	0.00E+00	4.96E-04	2.68E-06	0.00E+00	2.68E-06	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	7.88E-04
301	ALL	490383.8	3615131	NonCancer	1.32E-03	4.49E-06	8.31E-04	0.00E+00	0.00E+00	8.31E-04	4.49E-06	0.00E+00	4.49E-06	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	1.32E-03
302	ALL	490362.4	3615170	NonCancer	1.64E-03	5.58E-06	1.03E-03	0.00E+00	0.00E+00	1.03E-03	5.58E-06	0.00E+00	5.58E-06	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.64E-03
303	ALL	490340.9	3615209	NonCancer	1.71E-03	5.82E-06	1.08E-03	0.00E+00	0.00E+00	1.08E-03	5.82E-06	0.00E+00	5.82E-06	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.71E-03
304	ALL	490319.4	3615248	NonCancer	1.35E-03	4.58E-06	8.47E-04	0.00E+00	0.00E+00	8.47E-04	4.58E-06	0.00E+00	4.58E-06	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	1.35E-03
305	ALL	490297.9	3615287	NonCancer	1.57E-03	5.34E-06	9.89E-04	0.00E+00	0.00E+00	9.89E-04	5.34E-06	0.00E+00	5.34E-06	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00	1.57E-03
306	ALL	490276.5	3615325	NonCancer	1.52E-03	5.17E-06	9.58E-04	0.00E+00	0.00E+00	9.58E-04	5.17E-06	0.00E+00	5.17E-06	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	1.52E-03
307	ALL	490255	3615364	NonCancer	1.59E-03	5.40E-06	1.00E-03	0.00E+00	0.00E+00	1.00E-03	5.40E-06	0.00E+00	5.40E-06	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.59E-03
308	ALL	490233.5	3615403	NonCancer	1.67E-03	5.68E-06	1.05E-03	0.00E+00	0.00E+00	1.05E-03	5.68E-06	0.00E+00	5.68E-06	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.67E-03
309	ALL	490212.1	3615442	NonCancer	1.86E-03	6.31E-06	1.17E-03	0.00E+00	0.00E+00	1.17E-03	6.31E-06	0.00E+00	6.31E-06	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	1.86E-03
310	ALL	490190.6	3615480	NonCancer	1.68E-03	5.72E-06	1.06E-03	0.00E+00	0.00E+00	1.06E-03	5.72E-06	0.00E+00	5.72E-06	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.68E-03
311	ALL	490169.1	3615519	NonCancer	1.43E-03	4.87E-06	9.02E-04	0.00E+00	0.00E+00	9.02E-04	4.87E-06	0.00E+00	4.87E-06	0.00E+00	0.00E+00	9.02E-04	0.00E+00	0.00E+00	1.43E-03

312	ALL	490126.4	3615564	NonCancer	1.60E-03	5.45E-06	1.01E-03	0.00E+00	0.00E+00	1.01E-03	5.45E-06	0.00E+00	5.45E-06	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.60E-03
313	ALL	490083.8	3615577	NonCancer	1.91E-03	6.48E-06	1.20E-03	0.00E+00	0.00E+00	1.20E-03	6.48E-06	0.00E+00	6.48E-06	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	1.91E-03
314	ALL	490041.3	3615589	NonCancer	1.89E-03	6.43E-06	1.19E-03	0.00E+00	0.00E+00	1.19E-03	6.43E-06	0.00E+00	6.43E-06	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	1.89E-03
315	ALL	489998.7	3615601	NonCancer	1.98E-03	6.72E-06	1.25E-03	0.00E+00	0.00E+00	1.25E-03	6.72E-06	0.00E+00	6.72E-06	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	1.98E-03
316	ALL	489956.2	3615614	NonCancer	1.99E-03	6.76E-06	1.25E-03	0.00E+00	0.00E+00	1.25E-03	6.76E-06	0.00E+00	6.76E-06	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	1.99E-03
317	ALL	489913.6	3615626	NonCancer	1.59E-03	5.41E-06	1.00E-03	0.00E+00	0.00E+00	1.00E-03	5.41E-06	0.00E+00	5.41E-06	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.59E-03
318	ALL	489871.1	3615639	NonCancer	1.30E-03	4.42E-06	8.18E-04	0.00E+00	0.00E+00	8.18E-04	4.42E-06	0.00E+00	4.42E-06	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00	1.30E-03
319	ALL	489828.5	3615651	NonCancer	1.17E-03	3.96E-06	7.34E-04	0.00E+00	0.00E+00	7.34E-04	3.96E-06	0.00E+00	3.96E-06	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00	1.17E-03
320	ALL	489785.9	3615663	NonCancer	3.69E-04	1.25E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.69E-04
321	ALL	489743.4	3615676	NonCancer	3.32E-04	1.13E-06	2.09E-04	0.00E+00	0.00E+00	2.09E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.32E-04
322	ALL	489700.8	3615688	NonCancer	3.19E-04	1.08E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
323	ALL	489658.3	3615701	NonCancer	2.81E-04	9.55E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.55E-07	0.00E+00	9.55E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.81E-04
324	ALL	489615.7	3615713	NonCancer	2.72E-04	9.25E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.25E-07	0.00E+00	9.25E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.72E-04
325	ALL	489573.2	3615725	NonCancer	3.45E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.45E-04
326	ALL	489530.6	3615738	NonCancer	4.06E-04	1.38E-06	2.55E-04	0.00E+00	0.00E+00	2.55E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	4.06E-04
327	ALL	489488.1	3615750	NonCancer	4.41E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.41E-04
328	ALL	489445.5	3615763	NonCancer	4.45E-04	1.51E-06	2.80E-04	0.00E+00	0.00E+00	2.80E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	4.45E-04
329	ALL	489403	3615775	NonCancer	4.16E-04	1.41E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.16E-04
330	ALL	489360.4	3615787	NonCancer	3.60E-04	1.22E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.60E-04
331	ALL	489317.9	3615800	NonCancer	2.90E-04	9.87E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.87E-07	0.00E+00	9.87E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.90E-04
332	ALL	489275.3	3615812	NonCancer	2.29E-04	7.78E-07	1.44E-04	0.00E+00	0.00E+00	1.44E-04	7.78E-07	0.00E+00	7.78E-07	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	2.29E-04
333	ALL	489232.8	3615825	NonCancer	2.47E-04	8.38E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.38E-07	0.00E+00	8.38E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.47E-04
334	ALL	489190.2	3615837	NonCancer	3.52E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.52E-04
335	ALL	489147.7	3615849	NonCancer	4.56E-04	1.55E-06	2.87E-04	0.00E+00	0.00E+00	2.87E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	4.56E-04
336	ALL	489105.1	3615862	NonCancer	5.34E-04	1.81E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.34E-04
337	ALL	489062.6	3615874	NonCancer	5.67E-04	1.93E-06	3.57E-04	0.00E+00	0.00E+00	3.57E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	5.67E-04
338	ALL	489020	3615887	NonCancer	5.47E-04	1.86E-06	3.44E-04	0.00E+00	0.00E+00	3.44E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	5.47E-04
339	ALL	490740.7	3614469	NonCancer	1.07E-03	3.65E-06	6.77E-04	0.00E+00	0.00E+00	6.77E-04	3.65E-06	0.00E+00	3.65E-06	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	1.07E-03
340	ALL	490925.9	3614534	NonCancer	8.45E-04	2.87E-06	5.32E-04	0.00E+00	0.00E+00	5.32E-04	2.87E-06	0.00E+00	2.87E-06	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	8.45E-04
341	ALL	490915	3614554	NonCancer	9.88E-04	3.36E-06	6.22E-04	0.00E+00	0.00E+00	6.22E-04	3.36E-06	0.00E+00	3.36E-06	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00	9.88E-04
342	ALL	490904.1	3614574	NonCancer	1.09E-03	3.72E-06	6.89E-04	0.00E+00	0.00E+00	6.89E-04	3.72E-06	0.00E+00	3.72E-06	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	1.09E-03
343	ALL	490882.4	3614613	NonCancer	1.12E-03	3.79E-06	7.03E-04	0.00E+00	0.00E+00	7.03E-04	3.79E-06	0.00E+00	3.79E-06	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	1.12E-03
344	ALL	490871.5	3614633	NonCancer	1.08E-03	3.68E-06	6.81E-04	0.00E+00	0.00E+00	6.81E-04	3.68E-06	0.00E+00	3.68E-06	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	1.08E-03
345	ALL	490849.7	3614672	NonCancer	9.60E-04	3.26E-06	6.04E-04	0.00E+00	0.00E+00	6.04E-04	3.26E-06	0.00E+00	3.26E-06	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	9.60E-04
346	ALL	490838.8	3614692	NonCancer	8.93E-04	3.04E-06	5.62E-04	0.00E+00	0.00E+00	5.62E-04	3.04E-06	0.00E+00	3.04E-06	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	8.93E-04
347	ALL	490817	3614731	NonCancer	1.03E-03	3.51E-06	6.51E-04	0.00E+00	0.00E+00	6.51E-04	3.51E-06	0.00E+00	3.51E-06	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	1.03E-03
348	ALL	490806.1	3614751	NonCancer	1.16E-03	3.95E-06	7.31E-04	0.00E+00	0.00E+00	7.31E-04	3.95E-06	0.00E+00	3.95E-06	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00	1.16E-03
349	ALL	490784.3	3614790	NonCancer	1.33E-03	4.51E-06	8.35E-04	0.00E+00	0.00E+00	8.35E-04	4.51E-06	0.00E+00	4.51E-06	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	1.33E-03
350	ALL	490762.6	3614829	NonCancer	1.51E-03	5.15E-06	9.54E-04	0.00E+00	0.00E+00	9.54E-04	5.15E-06	0.00E+00	5.15E-06	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	1.51E-03
351	ALL	490751.7	3614849	NonCancer	1.49E-03	5.06E-06	9.37E-04	0.00E+00	0.00E+00	9.37E-04	5.06E-06	0.00E+00	5.06E-06	0.00E+00	0.00E+00	9.37E-04	0.00E+00	0.00E+00	1.49E-03
352	ALL	490729.9	3614888	NonCancer	8.13E-04	2.76E-06	5.12E-04	0.00E+00	0.00E+00	5.12E-04	2.76E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	8.13E-04
353	ALL	490719	3614908	NonCancer	4.79E-04	1.63E-06	3.01E-04	0.00E+00	0.00E+00	3.01E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	4.79E-04
354	ALL	490697.2	3614947	NonCancer	7.49E-04	2.54E-06	4.71E-04	0.00E+00	0.00E+00	4.71E-04	2.54E-06	0.00E+00	2.54E-06	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	7.49E-04
355	ALL	490686.3	3614967	NonCancer	4.71E-04	1.60E-06	2.97E-04	0.00E+00	0.00E+00	2.97E-04	1.60E-06	0.00E+00	1.60E-06	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	4.71E-04
356	ALL	490664.6	3615006	NonCancer	2.00E-04	6.79E-07	1.26E-04	0.00E+00	0.00E+00	1.26E-04	6.79E-07	0.00E+00	6.79E-07	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	2.00E-04
357	ALL	490653.7	3615026	NonCancer	1.86E-04	6.32E-07	1.17E-04	0.00E+00	0.00E+00	1.17E-04	6.32E-07	0.00E+00	6.32E-07	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	1.86E-04
358	ALL	490631.9	3615065	NonCancer	1.53E-04	5.20E-07	9.63E-05	0.00E+00	0.00E+00	9.63E-05	5.20E-07	0.00E+00	5.20E-07	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00	1.53E-04
359	ALL	490621	3615085	NonCancer	1.36E-04	4.61E-07	8.54E-05	0.00E+00	0.00E+00	8.54E-05	4.61E-07	0.00E+00	4.61E-07	0.00E+00	0.00E+00	8.54E-05	0.00E+00	0.00E+00	1.36E-04
360	ALL	490599.2	3615124	NonCancer	1.57E-04	5.33E-07	9.87E-05	0.00E+00	0.00E+00	9.87E-05	5.33E-07	0.00E+00	5.33E-07	0.00E+00	0.00E+00	9.87E-05	0.00E+00	0.00E+00	1.57E-04
361	ALL	490588.3	3615144	NonCancer	1.88E-04	6.41E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.41E-07	0.00E+00	6.41E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.88E-04
362	ALL	490566.5	3615183	NonCancer	5.85E-04	1.99E-06	3.68E-04	0.00E+00	0.00E+00	3.68E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	5.85E-04
363	ALL	490555.7	3615203	NonCancer	7.87E-04	2.67E-06	4.95E-04	0.00E+00	0.00E+00	4.95E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	7.87E-04

364	ALL	490533.9	3615242	NonCancer	1.08E-03	3.66E-06	6.77E-04	0.00E+00	0.00E+00	6.77E-04	3.66E-06	0.00E+00	3.66E-06	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	1.08E-03
365	ALL	490523	3615262	NonCancer	1.20E-03	4.07E-06	7.53E-04	0.00E+00	0.00E+00	7.53E-04	4.07E-06	0.00E+00	4.07E-06	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00	1.20E-03
366	ALL	490501.2	3615301	NonCancer	1.58E-03	5.38E-06	9.96E-04	0.00E+00	0.00E+00	9.96E-04	5.38E-06	0.00E+00	5.38E-06	0.00E+00	0.00E+00	9.96E-04	0.00E+00	0.00E+00	1.58E-03
367	ALL	490490.3	3615321	NonCancer	1.62E-03	5.50E-06	1.02E-03	0.00E+00	0.00E+00	1.02E-03	5.50E-06	0.00E+00	5.50E-06	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.62E-03
368	ALL	490468.5	3615360	NonCancer	1.38E-03	4.68E-06	8.67E-04	0.00E+00	0.00E+00	8.67E-04	4.68E-06	0.00E+00	4.68E-06	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00	1.38E-03
369	ALL	490457.6	3615380	NonCancer	1.41E-03	4.78E-06	8.85E-04	0.00E+00	0.00E+00	8.85E-04	4.78E-06	0.00E+00	4.78E-06	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	1.41E-03
370	ALL	490435.9	3615419	NonCancer	1.56E-03	5.29E-06	9.80E-04	0.00E+00	0.00E+00	9.80E-04	5.29E-06	0.00E+00	5.29E-06	0.00E+00	0.00E+00	9.80E-04	0.00E+00	0.00E+00	1.56E-03
371	ALL	490425	3615439	NonCancer	1.53E-03	5.20E-06	9.64E-04	0.00E+00	0.00E+00	9.64E-04	5.20E-06	0.00E+00	5.20E-06	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00	1.53E-03
372	ALL	490403.2	3615478	NonCancer	1.49E-03	5.07E-06	9.40E-04	0.00E+00	0.00E+00	9.40E-04	5.07E-06	0.00E+00	5.07E-06	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	1.49E-03
373	ALL	490381.4	3615518	NonCancer	1.35E-03	4.59E-06	8.49E-04	0.00E+00	0.00E+00	8.49E-04	4.59E-06	0.00E+00	4.59E-06	0.00E+00	0.00E+00	8.49E-04	0.00E+00	0.00E+00	1.35E-03
374	ALL	490370.5	3615537	NonCancer	1.36E-03	4.61E-06	8.54E-04	0.00E+00	0.00E+00	8.54E-04	4.61E-06	0.00E+00	4.61E-06	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00	1.36E-03
375	ALL	490348.7	3615577	NonCancer	1.64E-03	5.57E-06	1.03E-03	0.00E+00	0.00E+00	1.03E-03	5.57E-06	0.00E+00	5.57E-06	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.64E-03
376	ALL	490337.8	3615596	NonCancer	1.66E-03	5.64E-06	1.05E-03	0.00E+00	0.00E+00	1.05E-03	5.64E-06	0.00E+00	5.64E-06	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.66E-03
377	ALL	490316.1	3615636	NonCancer	1.46E-03	4.98E-06	9.22E-04	0.00E+00	0.00E+00	9.22E-04	4.98E-06	0.00E+00	4.98E-06	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	1.46E-03
378	ALL	490305.2	3615655	NonCancer	1.37E-03	4.66E-06	8.63E-04	0.00E+00	0.00E+00	8.63E-04	4.66E-06	0.00E+00	4.66E-06	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	1.37E-03
379	ALL	490283.4	3615695	NonCancer	1.23E-03	4.17E-06	7.72E-04	0.00E+00	0.00E+00	7.72E-04	4.17E-06	0.00E+00	4.17E-06	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	1.23E-03
380	ALL	490250.9	3615720	NonCancer	1.33E-03	4.52E-06	8.38E-04	0.00E+00	0.00E+00	8.38E-04	4.52E-06	0.00E+00	4.52E-06	0.00E+00	0.00E+00	8.38E-04	0.00E+00	0.00E+00	1.33E-03
381	ALL	490207.8	3615733	NonCancer	1.68E-03	5.70E-06	1.06E-03	0.00E+00	0.00E+00	1.06E-03	5.70E-06	0.00E+00	5.70E-06	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.68E-03
382	ALL	490164.6	3615746	NonCancer	1.66E-03	5.65E-06	1.05E-03	0.00E+00	0.00E+00	1.05E-03	5.65E-06	0.00E+00	5.65E-06	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.66E-03
383	ALL	490143	3615752	NonCancer	1.49E-03	5.08E-06	9.40E-04	0.00E+00	0.00E+00	9.40E-04	5.08E-06	0.00E+00	5.08E-06	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	1.49E-03
384	ALL	490099.9	3615764	NonCancer	1.60E-03	5.45E-06	1.01E-03	0.00E+00	0.00E+00	1.01E-03	5.45E-06	0.00E+00	5.45E-06	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.60E-03
385	ALL	490056.7	3615777	NonCancer	1.77E-03	6.03E-06	1.12E-03	0.00E+00	0.00E+00	1.12E-03	6.03E-06	0.00E+00	6.03E-06	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	1.77E-03
386	ALL	490013.5	3615790	NonCancer	1.67E-03	5.68E-06	1.05E-03	0.00E+00	0.00E+00	1.05E-03	5.68E-06	0.00E+00	5.68E-06	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.67E-03
387	ALL	489970.4	3615802	NonCancer	1.65E-03	5.61E-06	1.04E-03	0.00E+00	0.00E+00	1.04E-03	5.61E-06	0.00E+00	5.61E-06	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.65E-03
388	ALL	489927.2	3615815	NonCancer	1.73E-03	5.90E-06	1.09E-03	0.00E+00	0.00E+00	1.09E-03	5.90E-06	0.00E+00	5.90E-06	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	1.73E-03
389	ALL	489884	3615827	NonCancer	1.63E-03	5.55E-06	1.03E-03	0.00E+00	0.00E+00	1.03E-03	5.55E-06	0.00E+00	5.55E-06	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.63E-03
390	ALL	489862.5	3615834	NonCancer	1.28E-03	4.34E-06	8.04E-04	0.00E+00	0.00E+00	8.04E-04	4.34E-06	0.00E+00	4.34E-06	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00	1.28E-03
391	ALL	489819.3	3615846	NonCancer	9.49E-04	3.23E-06	5.98E-04	0.00E+00	0.00E+00	5.98E-04	3.23E-06	0.00E+00	3.23E-06	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	9.49E-04
392	ALL	489776.1	3615859	NonCancer	2.75E-04	9.34E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.34E-07	0.00E+00	9.34E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.75E-04
393	ALL	489733	3615871	NonCancer	2.49E-04	8.47E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.47E-07	0.00E+00	8.47E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.49E-04
394	ALL	489689.8	3615884	NonCancer	2.09E-04	7.11E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.11E-07	0.00E+00	7.11E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.09E-04
395	ALL	489646.7	3615897	NonCancer	9.62E-04	3.27E-06	6.06E-04	0.00E+00	0.00E+00	6.06E-04	3.27E-06	0.00E+00	3.27E-06	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	9.62E-04
396	ALL	489603.5	3615909	NonCancer	3.10E-04	1.06E-06	1.95E-04	0.00E+00	0.00E+00	1.95E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	3.10E-04
397	ALL	489581.9	3615915	NonCancer	3.35E-04	1.14E-06	2.11E-04	0.00E+00	0.00E+00	2.11E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	3.35E-04
398	ALL	489538.7	3615928	NonCancer	3.70E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.70E-04
399	ALL	489495.6	3615941	NonCancer	3.81E-04	1.30E-06	2.40E-04	0.00E+00	0.00E+00	2.40E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	3.81E-04
400	ALL	489452.4	3615953	NonCancer	3.67E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.67E-04
401	ALL	489430.8	3615959	NonCancer	3.51E-04	1.19E-06	2.21E-04	0.00E+00	0.00E+00	2.21E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	3.51E-04
402	ALL	489387.7	3615972	NonCancer	3.07E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.07E-04
403	ALL	489344.5	3615985	NonCancer	2.51E-04	8.54E-07	1.58E-04	0.00E+00	0.00E+00	1.58E-04	8.54E-07	0.00E+00	8.54E-07	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	2.51E-04
404	ALL	489301.4	3615997	NonCancer	2.00E-04	6.79E-07	1.26E-04	0.00E+00	0.00E+00	1.26E-04	6.79E-07	0.00E+00	6.79E-07	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	2.00E-04
405	ALL	489258.2	3616010	NonCancer	1.87E-04	6.35E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.35E-07	0.00E+00	6.35E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.87E-04
406	ALL	489215	3616022	NonCancer	2.46E-04	8.35E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.35E-07	0.00E+00	8.35E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.46E-04
407	ALL	489171.9	3616035	NonCancer	3.31E-04	1.13E-06	2.09E-04	0.00E+00	0.00E+00	2.09E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.31E-04
408	ALL	489150.3	3616041	NonCancer	3.73E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.73E-04
409	ALL	489107.1	3616054	NonCancer	4.41E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.41E-04
410	ALL	489064	3616066	NonCancer	4.79E-04	1.63E-06	3.01E-04	0.00E+00	0.00E+00	3.01E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	4.79E-04
411	ALL	489020.8	3616079	NonCancer	4.77E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.77E-04
412	ALL	488977.6	3616091	NonCancer	4.38E-04	1.49E-06	2.76E-04	0.00E+00	0.00E+00	2.76E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	4.38E-04
413	ALL	490939.4	3614492	NonCancer	9.06E-04	3.08E-06	5.71E-04	0.00E+00	0.00E+00	5.71E-04	3.08E-06	0.00E+00	3.08E-06	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	9.06E-04
414	ALL	491323.3	3614580	NonCancer	3.79E-04	1.29E-06	2.39E-04	0.00E+00	0.00E+00	2.39E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	3.79E-04
415	ALL	491312.5	3614600	NonCancer	4.04E-04	1.37E-06	2.54E-04	0.00E+00	0.00E+00	2.54E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	4.04E-04

416	ALL	491290.9	3614639	NonCancer	4.53E-04	1.54E-06	2.85E-04	0.00E+00	0.00E+00	2.85E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	4.53E-04
417	ALL	491269.2	3614678	NonCancer	5.19E-04	1.77E-06	3.27E-04	0.00E+00	0.00E+00	3.27E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	5.19E-04
418	ALL	491258.4	3614697	NonCancer	5.20E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.20E-04
419	ALL	491236.7	3614736	NonCancer	5.34E-04	1.82E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.34E-04
420	ALL	491215.1	3614776	NonCancer	5.18E-04	1.76E-06	3.26E-04	0.00E+00	0.00E+00	3.26E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	5.18E-04
421	ALL	491204.3	3614795	NonCancer	4.94E-04	1.68E-06	3.11E-04	0.00E+00	0.00E+00	3.11E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	4.94E-04
422	ALL	491182.6	3614834	NonCancer	5.47E-04	1.86E-06	3.44E-04	0.00E+00	0.00E+00	3.44E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	5.47E-04
423	ALL	491161	3614873	NonCancer	7.06E-04	2.40E-06	4.44E-04	0.00E+00	0.00E+00	4.44E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	7.06E-04
424	ALL	491139.3	3614912	NonCancer	8.67E-04	2.95E-06	5.46E-04	0.00E+00	0.00E+00	5.46E-04	2.95E-06	0.00E+00	2.95E-06	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	8.67E-04
425	ALL	491117.7	3614952	NonCancer	9.15E-04	3.11E-06	5.76E-04	0.00E+00	0.00E+00	5.76E-04	3.11E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	9.15E-04
426	ALL	491096	3614991	NonCancer	8.87E-04	3.02E-06	5.58E-04	0.00E+00	0.00E+00	5.58E-04	3.02E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	8.87E-04
427	ALL	491085.2	3615010	NonCancer	9.45E-04	3.21E-06	5.95E-04	0.00E+00	0.00E+00	5.95E-04	3.21E-06	0.00E+00	3.21E-06	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	9.45E-04
428	ALL	491063.5	3615049	NonCancer	9.76E-04	3.32E-06	6.15E-04	0.00E+00	0.00E+00	6.15E-04	3.32E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	9.76E-04
429	ALL	491041.9	3615088	NonCancer	8.64E-04	2.94E-06	5.44E-04	0.00E+00	0.00E+00	5.44E-04	2.94E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	8.64E-04
430	ALL	491031	3615108	NonCancer	7.87E-04	2.68E-06	4.96E-04	0.00E+00	0.00E+00	4.96E-04	2.68E-06	0.00E+00	2.68E-06	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	7.87E-04
431	ALL	491009.4	3615147	NonCancer	1.07E-03	3.62E-06	6.71E-04	0.00E+00	0.00E+00	6.71E-04	3.62E-06	0.00E+00	3.62E-06	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	1.07E-03
432	ALL	490987.7	3615186	NonCancer	1.22E-03	4.15E-06	7.68E-04	0.00E+00	0.00E+00	7.68E-04	4.15E-06	0.00E+00	4.15E-06	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	1.22E-03
433	ALL	490976.9	3615206	NonCancer	1.25E-03	4.26E-06	7.90E-04	0.00E+00	0.00E+00	7.90E-04	4.26E-06	0.00E+00	4.26E-06	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	1.25E-03
434	ALL	490955.3	3615245	NonCancer	7.85E-04	2.67E-06	4.94E-04	0.00E+00	0.00E+00	4.94E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	7.85E-04
435	ALL	490933.6	3615284	NonCancer	5.30E-04	1.80E-06	3.34E-04	0.00E+00	0.00E+00	3.34E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	5.30E-04
436	ALL	490912	3615323	NonCancer	5.56E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.56E-04
437	ALL	490890.3	3615362	NonCancer	5.53E-04	1.88E-06	3.48E-04	0.00E+00	0.00E+00	3.48E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	5.53E-04
438	ALL	490868.7	3615401	NonCancer	4.85E-04	1.65E-06	3.05E-04	0.00E+00	0.00E+00	3.05E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	4.85E-04
439	ALL	490857.8	3615421	NonCancer	5.43E-04	1.85E-06	3.42E-04	0.00E+00	0.00E+00	3.42E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	5.43E-04
440	ALL	490836.2	3615460	NonCancer	7.11E-04	2.42E-06	4.48E-04	0.00E+00	0.00E+00	4.48E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	7.11E-04
441	ALL	490814.5	3615499	NonCancer	1.13E-03	3.86E-06	7.14E-04	0.00E+00	0.00E+00	7.14E-04	3.86E-06	0.00E+00	3.86E-06	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00	1.13E-03
442	ALL	490803.7	3615518	NonCancer	1.22E-03	4.15E-06	7.68E-04	0.00E+00	0.00E+00	7.68E-04	4.15E-06	0.00E+00	4.15E-06	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	1.22E-03
443	ALL	490782.1	3615557	NonCancer	1.29E-03	4.40E-06	8.14E-04	0.00E+00	0.00E+00	8.14E-04	4.40E-06	0.00E+00	4.40E-06	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00	1.29E-03
444	ALL	490760.4	3615597	NonCancer	1.10E-03	3.72E-06	6.89E-04	0.00E+00	0.00E+00	6.89E-04	3.72E-06	0.00E+00	3.72E-06	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	1.10E-03
445	ALL	490749.6	3615616	NonCancer	9.44E-04	3.21E-06	5.94E-04	0.00E+00	0.00E+00	5.94E-04	3.21E-06	0.00E+00	3.21E-06	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	9.44E-04
446	ALL	490727.9	3615655	NonCancer	1.10E-03	3.73E-06	6.90E-04	0.00E+00	0.00E+00	6.90E-04	3.73E-06	0.00E+00	3.73E-06	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	1.10E-03
447	ALL	490706.3	3615694	NonCancer	1.14E-03	3.88E-06	7.18E-04	0.00E+00	0.00E+00	7.18E-04	3.88E-06	0.00E+00	3.88E-06	0.00E+00	0.00E+00	7.18E-04	0.00E+00	0.00E+00	1.14E-03
448	ALL	490695.4	3615714	NonCancer	1.08E-03	3.67E-06	6.80E-04	0.00E+00	0.00E+00	6.80E-04	3.67E-06	0.00E+00	3.67E-06	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	1.08E-03
449	ALL	490673.8	3615753	NonCancer	1.08E-03	3.68E-06	6.82E-04	0.00E+00	0.00E+00	6.82E-04	3.68E-06	0.00E+00	3.68E-06	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00	1.08E-03
450	ALL	490652.1	3615792	NonCancer	9.79E-04	3.33E-06	6.16E-04	0.00E+00	0.00E+00	6.16E-04	3.33E-06	0.00E+00	3.33E-06	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	9.79E-04
451	ALL	490630.5	3615831	NonCancer	9.70E-04	3.30E-06	6.11E-04	0.00E+00	0.00E+00	6.11E-04	3.30E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	9.70E-04
452	ALL	490608.8	3615870	NonCancer	1.20E-03	4.07E-06	7.53E-04	0.00E+00	0.00E+00	7.53E-04	4.07E-06	0.00E+00	4.07E-06	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00	1.20E-03
453	ALL	490587.2	3615909	NonCancer	1.19E-03	4.04E-06	7.47E-04	0.00E+00	0.00E+00	7.47E-04	4.04E-06	0.00E+00	4.04E-06	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00	1.19E-03
454	ALL	490576.4	3615929	NonCancer	1.09E-03	3.71E-06	6.87E-04	0.00E+00	0.00E+00	6.87E-04	3.71E-06	0.00E+00	3.71E-06	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00	1.09E-03
455	ALL	490554.7	3615968	NonCancer	1.01E-03	3.43E-06	6.36E-04	0.00E+00	0.00E+00	6.36E-04	3.43E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	1.01E-03
456	ALL	490533.1	3616007	NonCancer	8.70E-04	2.96E-06	5.48E-04	0.00E+00	0.00E+00	5.48E-04	2.96E-06	0.00E+00	2.96E-06	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	8.70E-04
457	ALL	490500.8	3616033	NonCancer	7.83E-04	2.66E-06	4.93E-04	0.00E+00	0.00E+00	4.93E-04	2.66E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	7.83E-04
458	ALL	490457.9	3616045	NonCancer	9.51E-04	3.23E-06	5.99E-04	0.00E+00	0.00E+00	5.99E-04	3.23E-06	0.00E+00	3.23E-06	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00	9.51E-04
459	ALL	490415	3616058	NonCancer	1.16E-03	3.95E-06	7.32E-04	0.00E+00	0.00E+00	7.32E-04	3.95E-06	0.00E+00	3.95E-06	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	1.16E-03
460	ALL	490372.1	3616070	NonCancer	1.18E-03	4.00E-06	7.41E-04	0.00E+00	0.00E+00	7.41E-04	4.00E-06	0.00E+00	4.00E-06	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	1.18E-03
461	ALL	490329.2	3616083	NonCancer	1.15E-03	3.92E-06	7.27E-04	0.00E+00	0.00E+00	7.27E-04	3.92E-06	0.00E+00	3.92E-06	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00	1.15E-03
462	ALL	490286.3	3616095	NonCancer	1.09E-03	3.71E-06	6.88E-04	0.00E+00	0.00E+00	6.88E-04	3.71E-06	0.00E+00	3.71E-06	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	1.09E-03
463	ALL	490243.3	3616108	NonCancer	1.21E-03	4.11E-06	7.61E-04	0.00E+00	0.00E+00	7.61E-04	4.11E-06	0.00E+00	4.11E-06	0.00E+00	0.00E+00	7.61E-04	0.00E+00	0.00E+00	1.21E-03
464	ALL	490200.4	3616120	NonCancer	1.22E-03	4.16E-06	7.70E-04	0.00E+00	0.00E+00	7.70E-04	4.16E-06	0.00E+00	4.16E-06	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00	1.22E-03
465	ALL	490157.5	3616133	NonCancer	1.25E-03	4.25E-06	7.87E-04	0.00E+00	0.00E+00	7.87E-04	4.25E-06	0.00E+00	4.25E-06	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	1.25E-03
466	ALL	490114.6	3616145	NonCancer	1.46E-03	4.95E-06	9.17E-04	0.00E+00	0.00E+00	9.17E-04	4.95E-06	0.00E+00	4.95E-06	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00	1.46E-03
467	ALL	490071.7	3616158	NonCancer	1.47E-03	4.99E-06	9.25E-04	0.00E+00	0.00E+00	9.25E-04	4.99E-06	0.00E+00	4.99E-06	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00	1.47E-03

468	ALL	490028.8	3616170	NonCancer	1.40E-03	4.74E-06	8.79E-04	0.00E+00	0.00E+00	8.79E-04	4.74E-06	0.00E+00	4.74E-06	0.00E+00	0.00E+00	8.79E-04	0.00E+00	0.00E+00	1.40E-03
469	ALL	489985.9	3616183	NonCancer	1.37E-03	4.64E-06	8.60E-04	0.00E+00	0.00E+00	8.60E-04	4.64E-06	0.00E+00	4.64E-06	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	1.37E-03
470	ALL	489943	3616195	NonCancer	1.41E-03	4.78E-06	8.86E-04	0.00E+00	0.00E+00	8.86E-04	4.78E-06	0.00E+00	4.78E-06	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	1.41E-03
471	ALL	489900.1	3616208	NonCancer	1.24E-03	4.22E-06	7.81E-04	0.00E+00	0.00E+00	7.81E-04	4.22E-06	0.00E+00	4.22E-06	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	1.24E-03
472	ALL	489857.2	3616220	NonCancer	1.31E-03	4.46E-06	8.25E-04	0.00E+00	0.00E+00	8.25E-04	4.46E-06	0.00E+00	4.46E-06	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00	1.31E-03
473	ALL	489814.3	3616233	NonCancer	1.42E-03	4.83E-06	8.94E-04	0.00E+00	0.00E+00	8.94E-04	4.83E-06	0.00E+00	4.83E-06	0.00E+00	0.00E+00	8.94E-04	0.00E+00	0.00E+00	1.42E-03
474	ALL	489771.4	3616245	NonCancer	1.38E-03	4.69E-06	8.69E-04	0.00E+00	0.00E+00	8.69E-04	4.69E-06	0.00E+00	4.69E-06	0.00E+00	0.00E+00	8.69E-04	0.00E+00	0.00E+00	1.38E-03
475	ALL	489728.5	3616258	NonCancer	8.94E-04	3.04E-06	5.63E-04	0.00E+00	0.00E+00	5.63E-04	3.04E-06	0.00E+00	3.04E-06	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	8.94E-04
476	ALL	489685.6	3616270	NonCancer	2.39E-04	8.13E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.13E-07	0.00E+00	8.13E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.39E-04
477	ALL	489642.7	3616283	NonCancer	2.68E-04	9.10E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.10E-07	0.00E+00	9.10E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.68E-04
478	ALL	489599.7	3616295	NonCancer	2.85E-04	9.69E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.69E-07	0.00E+00	9.69E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.85E-04
479	ALL	489556.8	3616308	NonCancer	6.17E-04	2.10E-06	3.89E-04	0.00E+00	0.00E+00	3.89E-04	2.10E-06	0.00E+00	2.10E-06	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	6.17E-04
480	ALL	489513.9	3616320	NonCancer	1.16E-03	3.94E-06	7.30E-04	0.00E+00	0.00E+00	7.30E-04	3.94E-06	0.00E+00	3.94E-06	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	1.16E-03
481	ALL	489471	3616333	NonCancer	8.33E-04	2.83E-06	5.25E-04	0.00E+00	0.00E+00	5.25E-04	2.83E-06	0.00E+00	2.83E-06	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	8.33E-04
482	ALL	489428.1	3616345	NonCancer	2.20E-04	7.48E-07	1.39E-04	0.00E+00	0.00E+00	1.39E-04	7.48E-07	0.00E+00	7.48E-07	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	2.20E-04
483	ALL	489385.2	3616358	NonCancer	1.83E-04	6.22E-07	1.15E-04	0.00E+00	0.00E+00	1.15E-04	6.22E-07	0.00E+00	6.22E-07	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	1.83E-04
484	ALL	489342.3	3616370	NonCancer	1.54E-04	5.23E-07	9.68E-05	0.00E+00	0.00E+00	9.68E-05	5.23E-07	0.00E+00	5.23E-07	0.00E+00	0.00E+00	9.68E-05	0.00E+00	0.00E+00	1.54E-04
485	ALL	489299.4	3616383	NonCancer	1.37E-04	4.67E-07	8.66E-05	0.00E+00	0.00E+00	8.66E-05	4.67E-07	0.00E+00	4.67E-07	0.00E+00	0.00E+00	8.66E-05	0.00E+00	0.00E+00	1.37E-04
486	ALL	489256.5	3616395	NonCancer	1.46E-04	4.96E-07	9.19E-05	0.00E+00	0.00E+00	9.19E-05	4.96E-07	0.00E+00	4.96E-07	0.00E+00	0.00E+00	9.19E-05	0.00E+00	0.00E+00	1.46E-04
487	ALL	489213.6	3616408	NonCancer	1.85E-04	6.30E-07	1.17E-04	0.00E+00	0.00E+00	1.17E-04	6.30E-07	0.00E+00	6.30E-07	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	1.85E-04
488	ALL	489170.7	3616420	NonCancer	2.42E-04	8.22E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.22E-07	0.00E+00	8.22E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.42E-04
489	ALL	489127.8	3616433	NonCancer	2.95E-04	1.00E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.95E-04
490	ALL	489084.9	3616445	NonCancer	3.38E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.38E-04
491	ALL	489042	3616458	NonCancer	3.62E-04	1.23E-06	2.28E-04	0.00E+00	0.00E+00	2.28E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	3.62E-04
492	ALL	488999.1	3616470	NonCancer	3.64E-04	1.24E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.64E-04
493	ALL	488956.2	3616483	NonCancer	3.44E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.44E-04
494	ALL	491336.8	3614538	NonCancer	3.66E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.66E-04
495	ALL	491720.6	3614626	NonCancer	3.42E-04	1.16E-06	2.15E-04	0.00E+00	0.00E+00	2.15E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.42E-04
496	ALL	491698.8	3614666	NonCancer	4.03E-04	1.37E-06	2.54E-04	0.00E+00	0.00E+00	2.54E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	4.03E-04
497	ALL	491687.9	3614685	NonCancer	4.13E-04	1.40E-06	2.60E-04	0.00E+00	0.00E+00	2.60E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	4.13E-04
498	ALL	491677	3614705	NonCancer	4.42E-04	1.50E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.42E-04
499	ALL	491655.2	3614744	NonCancer	5.33E-04	1.81E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.33E-04
500	ALL	491644.3	3614764	NonCancer	5.56E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.56E-04
501	ALL	491633.4	3614784	NonCancer	5.60E-04	1.90E-06	3.53E-04	0.00E+00	0.00E+00	3.53E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	5.60E-04
502	ALL	491611.6	3614823	NonCancer	5.19E-04	1.76E-06	3.27E-04	0.00E+00	0.00E+00	3.27E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	5.19E-04
503	ALL	491600.7	3614843	NonCancer	4.98E-04	1.69E-06	3.13E-04	0.00E+00	0.00E+00	3.13E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	4.98E-04
504	ALL	491589.8	3614862	NonCancer	5.16E-04	1.76E-06	3.25E-04	0.00E+00	0.00E+00	3.25E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	5.16E-04
505	ALL	491568	3614902	NonCancer	6.15E-04	2.09E-06	3.87E-04	0.00E+00	0.00E+00	3.87E-04	2.09E-06	0.00E+00	2.09E-06	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	6.15E-04
506	ALL	491557.1	3614921	NonCancer	6.76E-04	2.30E-06	4.25E-04	0.00E+00	0.00E+00	4.25E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	6.76E-04
507	ALL	491546.2	3614941	NonCancer	7.24E-04	2.46E-06	4.56E-04	0.00E+00	0.00E+00	4.56E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	7.24E-04
508	ALL	491524.4	3614981	NonCancer	9.50E-04	3.23E-06	5.98E-04	0.00E+00	0.00E+00	5.98E-04	3.23E-06	0.00E+00	3.23E-06	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	9.50E-04
509	ALL	491513.4	3615000	NonCancer	1.05E-03	3.56E-06	6.59E-04	0.00E+00	0.00E+00	6.59E-04	3.56E-06	0.00E+00	3.56E-06	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	1.05E-03
510	ALL	491502.5	3615020	NonCancer	1.06E-03	3.59E-06	6.65E-04	0.00E+00	0.00E+00	6.65E-04	3.59E-06	0.00E+00	3.59E-06	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	1.06E-03
511	ALL	491480.7	3615059	NonCancer	1.14E-03	3.88E-06	7.19E-04	0.00E+00	0.00E+00	7.19E-04	3.88E-06	0.00E+00	3.88E-06	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	1.14E-03
512	ALL	491469.8	3615079	NonCancer	1.16E-03	3.95E-06	7.31E-04	0.00E+00	0.00E+00	7.31E-04	3.95E-06	0.00E+00	3.95E-06	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00	1.16E-03
513	ALL	491458.9	3615099	NonCancer	1.17E-03	3.96E-06	7.34E-04	0.00E+00	0.00E+00	7.34E-04	3.96E-06	0.00E+00	3.96E-06	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00	1.17E-03
514	ALL	491448	3615118	NonCancer	1.13E-03	3.84E-06	7.10E-04	0.00E+00	0.00E+00	7.10E-04	3.84E-06	0.00E+00	3.84E-06	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	1.13E-03
515	ALL	491426.2	3615158	NonCancer	9.69E-04	3.29E-06	6.10E-04	0.00E+00	0.00E+00	6.10E-04	3.29E-06	0.00E+00	3.29E-06	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	9.69E-04
516	ALL	491415.3	3615177	NonCancer	9.40E-04	3.20E-06	5.92E-04	0.00E+00	0.00E+00	5.92E-04	3.20E-06	0.00E+00	3.20E-06	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	9.40E-04
517	ALL	491404.4	3615197	NonCancer	8.88E-04	3.02E-06	5.59E-04	0.00E+00	0.00E+00	5.59E-04	3.02E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	8.88E-04
518	ALL	491382.6	3615237	NonCancer	7.43E-04	2.53E-06	4.68E-04	0.00E+00	0.00E+00	4.68E-04	2.53E-06	0.00E+00	2.53E-06	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	7.43E-04
519	ALL	491371.7	3615256	NonCancer	6.51E-04	2.21E-06	4.10E-04	0.00E+00	0.00E+00	4.10E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	6.51E-04

520	ALL	491360.8	3615276	NonCancer	6.66E-04	2.26E-06	4.19E-04	0.00E+00	0.00E+00	4.19E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	6.66E-04
521	ALL	491339	3615315	NonCancer	7.91E-04	2.69E-06	4.98E-04	0.00E+00	0.00E+00	4.98E-04	2.69E-06	0.00E+00	2.69E-06	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	7.91E-04
522	ALL	491328.1	3615335	NonCancer	8.07E-04	2.74E-06	5.08E-04	0.00E+00	0.00E+00	5.08E-04	2.74E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	8.07E-04
523	ALL	491317.2	3615355	NonCancer	8.26E-04	2.81E-06	5.20E-04	0.00E+00	0.00E+00	5.20E-04	2.81E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	8.26E-04
524	ALL	491295.4	3615394	NonCancer	8.15E-04	2.77E-06	5.13E-04	0.00E+00	0.00E+00	5.13E-04	2.77E-06	0.00E+00	2.77E-06	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	8.15E-04
525	ALL	491284.5	3615414	NonCancer	7.75E-04	2.63E-06	4.88E-04	0.00E+00	0.00E+00	4.88E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	7.75E-04
526	ALL	491273.6	3615433	NonCancer	7.25E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.25E-04
527	ALL	491251.7	3615473	NonCancer	7.21E-04	2.45E-06	4.54E-04	0.00E+00	0.00E+00	4.54E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	7.21E-04
528	ALL	491240.8	3615492	NonCancer	7.13E-04	2.42E-06	4.49E-04	0.00E+00	0.00E+00	4.49E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	7.13E-04
529	ALL	491229.9	3615512	NonCancer	6.59E-04	2.24E-06	4.15E-04	0.00E+00	0.00E+00	4.15E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	6.59E-04
530	ALL	491208.1	3615552	NonCancer	5.87E-04	1.99E-06	3.69E-04	0.00E+00	0.00E+00	3.69E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	5.87E-04
531	ALL	491197.2	3615571	NonCancer	5.88E-04	2.00E-06	3.70E-04	0.00E+00	0.00E+00	3.70E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	5.88E-04
532	ALL	491186.3	3615591	NonCancer	5.85E-04	1.99E-06	3.68E-04	0.00E+00	0.00E+00	3.68E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	5.85E-04
533	ALL	491164.5	3615630	NonCancer	5.53E-04	1.88E-06	3.48E-04	0.00E+00	0.00E+00	3.48E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	5.53E-04
534	ALL	491153.6	3615650	NonCancer	6.35E-04	2.16E-06	3.99E-04	0.00E+00	0.00E+00	3.99E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	6.35E-04
535	ALL	491142.7	3615670	NonCancer	7.33E-04	2.49E-06	4.62E-04	0.00E+00	0.00E+00	4.62E-04	2.49E-06	0.00E+00	2.49E-06	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	7.33E-04
536	ALL	491120.9	3615709	NonCancer	8.57E-04	2.91E-06	5.40E-04	0.00E+00	0.00E+00	5.40E-04	2.91E-06	0.00E+00	2.91E-06	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	8.57E-04
537	ALL	491110	3615729	NonCancer	8.83E-04	3.00E-06	5.56E-04	0.00E+00	0.00E+00	5.56E-04	3.00E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	8.83E-04
538	ALL	491099.1	3615748	NonCancer	8.66E-04	2.94E-06	5.45E-04	0.00E+00	0.00E+00	5.45E-04	2.94E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	8.66E-04
539	ALL	491077.3	3615788	NonCancer	8.55E-04	2.91E-06	5.38E-04	0.00E+00	0.00E+00	5.38E-04	2.91E-06	0.00E+00	2.91E-06	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	8.55E-04
540	ALL	491066.4	3615808	NonCancer	8.07E-04	2.74E-06	5.08E-04	0.00E+00	0.00E+00	5.08E-04	2.74E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	8.07E-04
541	ALL	491055.5	3615827	NonCancer	7.22E-04	2.46E-06	4.55E-04	0.00E+00	0.00E+00	4.55E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	7.22E-04
542	ALL	491044.6	3615847	NonCancer	6.07E-04	2.06E-06	3.82E-04	0.00E+00	0.00E+00	3.82E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	6.07E-04
543	ALL	491022.8	3615886	NonCancer	5.60E-04	1.90E-06	3.52E-04	0.00E+00	0.00E+00	3.52E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	5.60E-04
544	ALL	491011.9	3615906	NonCancer	6.04E-04	2.05E-06	3.80E-04	0.00E+00	0.00E+00	3.80E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	6.04E-04
545	ALL	491001	3615926	NonCancer	6.68E-04	2.27E-06	4.21E-04	0.00E+00	0.00E+00	4.21E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	6.68E-04
546	ALL	490979.1	3615965	NonCancer	7.05E-04	2.40E-06	4.44E-04	0.00E+00	0.00E+00	4.44E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	7.05E-04
547	ALL	490968.2	3615985	NonCancer	6.75E-04	2.30E-06	4.25E-04	0.00E+00	0.00E+00	4.25E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	6.75E-04
548	ALL	490957.3	3616004	NonCancer	7.10E-04	2.41E-06	4.47E-04	0.00E+00	0.00E+00	4.47E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	7.10E-04
549	ALL	490935.5	3616044	NonCancer	7.23E-04	2.46E-06	4.55E-04	0.00E+00	0.00E+00	4.55E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	7.23E-04
550	ALL	490924.6	3616063	NonCancer	6.85E-04	2.33E-06	4.31E-04	0.00E+00	0.00E+00	4.31E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	6.85E-04
551	ALL	490913.7	3616083	NonCancer	6.73E-04	2.29E-06	4.24E-04	0.00E+00	0.00E+00	4.24E-04	2.29E-06	0.00E+00	2.29E-06	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	6.73E-04
552	ALL	490891.9	3616123	NonCancer	6.48E-04	2.20E-06	4.08E-04	0.00E+00	0.00E+00	4.08E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	6.48E-04
553	ALL	490881	3616142	NonCancer	7.43E-04	2.53E-06	4.68E-04	0.00E+00	0.00E+00	4.68E-04	2.53E-06	0.00E+00	2.53E-06	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	7.43E-04
554	ALL	490870.1	3616162	NonCancer	8.15E-04	2.77E-06	5.13E-04	0.00E+00	0.00E+00	5.13E-04	2.77E-06	0.00E+00	2.77E-06	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	8.15E-04
555	ALL	490848.3	3616201	NonCancer	8.81E-04	2.99E-06	5.54E-04	0.00E+00	0.00E+00	5.54E-04	2.99E-06	0.00E+00	2.99E-06	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	8.81E-04
556	ALL	490837.4	3616221	NonCancer	8.57E-04	2.91E-06	5.39E-04	0.00E+00	0.00E+00	5.39E-04	2.91E-06	0.00E+00	2.91E-06	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	8.57E-04
557	ALL	490826.5	3616241	NonCancer	8.00E-04	2.72E-06	5.03E-04	0.00E+00	0.00E+00	5.03E-04	2.72E-06	0.00E+00	2.72E-06	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	8.00E-04
558	ALL	490804.7	3616280	NonCancer	8.32E-04	2.83E-06	5.24E-04	0.00E+00	0.00E+00	5.24E-04	2.83E-06	0.00E+00	2.83E-06	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	8.32E-04
559	ALL	490793.8	3616300	NonCancer	8.25E-04	2.81E-06	5.20E-04	0.00E+00	0.00E+00	5.20E-04	2.81E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	8.25E-04
560	ALL	490782.9	3616319	NonCancer	7.77E-04	2.64E-06	4.89E-04	0.00E+00	0.00E+00	4.89E-04	2.64E-06	0.00E+00	2.64E-06	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	7.77E-04
561	ALL	490750.4	3616345	NonCancer	6.94E-04	2.36E-06	4.37E-04	0.00E+00	0.00E+00	4.37E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	6.94E-04
562	ALL	490707.1	3616358	NonCancer	8.52E-04	2.90E-06	5.37E-04	0.00E+00	0.00E+00	5.37E-04	2.90E-06	0.00E+00	2.90E-06	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	8.52E-04
563	ALL	490663.9	3616371	NonCancer	1.05E-03	3.56E-06	6.60E-04	0.00E+00	0.00E+00	6.60E-04	3.56E-06	0.00E+00	3.56E-06	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	1.05E-03
564	ALL	490642.3	3616377	NonCancer	1.17E-03	3.98E-06	7.37E-04	0.00E+00	0.00E+00	7.37E-04	3.98E-06	0.00E+00	3.98E-06	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	1.17E-03
565	ALL	490599.1	3616389	NonCancer	1.18E-03	4.00E-06	7.42E-04	0.00E+00	0.00E+00	7.42E-04	4.00E-06	0.00E+00	4.00E-06	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	1.18E-03
566	ALL	490555.9	3616402	NonCancer	1.07E-03	3.62E-06	6.71E-04	0.00E+00	0.00E+00	6.71E-04	3.62E-06	0.00E+00	3.62E-06	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	1.07E-03
567	ALL	490512.7	3616415	NonCancer	9.86E-04	3.35E-06	6.21E-04	0.00E+00	0.00E+00	6.21E-04	3.35E-06	0.00E+00	3.35E-06	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	9.86E-04
568	ALL	490469.5	3616427	NonCancer	8.60E-04	2.93E-06	5.42E-04	0.00E+00	0.00E+00	5.42E-04	2.93E-06	0.00E+00	2.93E-06	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	8.60E-04
569	ALL	490426.2	3616440	NonCancer	7.97E-04	2.71E-06	5.02E-04	0.00E+00	0.00E+00	5.02E-04	2.71E-06	0.00E+00	2.71E-06	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	7.97E-04
570	ALL	490404.6	3616446	NonCancer	7.71E-04	2.62E-06	4.86E-04	0.00E+00	0.00E+00	4.86E-04	2.62E-06	0.00E+00	2.62E-06	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	7.71E-04
571	ALL	490383	3616452	NonCancer	8.40E-04	2.86E-06	5.29E-04	0.00E+00	0.00E+00	5.29E-04	2.86E-06	0.00E+00	2.86E-06	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	8.40E-04

572	ALL	490339.8	3616465	NonCancer	6.95E-04	2.36E-06	4.37E-04	0.00E+00	0.00E+00	4.37E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	6.95E-04
573	ALL	490318.2	3616471	NonCancer	5.87E-04	2.00E-06	3.70E-04	0.00E+00	0.00E+00	3.70E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	5.87E-04
574	ALL	490275	3616484	NonCancer	5.97E-04	2.03E-06	3.76E-04	0.00E+00	0.00E+00	3.76E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	5.97E-04
575	ALL	490231.8	3616497	NonCancer	6.39E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.39E-04
576	ALL	490188.5	3616509	NonCancer	5.77E-04	1.96E-06	3.63E-04	0.00E+00	0.00E+00	3.63E-04	1.96E-06	0.00E+00	1.96E-06	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	5.77E-04
577	ALL	490166.9	3616515	NonCancer	5.49E-04	1.87E-06	3.46E-04	0.00E+00	0.00E+00	3.46E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	5.49E-04
578	ALL	490145.3	3616522	NonCancer	5.32E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.32E-04
579	ALL	490102.1	3616534	NonCancer	6.60E-04	2.24E-06	4.15E-04	0.00E+00	0.00E+00	4.15E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	6.60E-04
580	ALL	490058.9	3616547	NonCancer	8.72E-04	2.96E-06	5.49E-04	0.00E+00	0.00E+00	5.49E-04	2.96E-06	0.00E+00	2.96E-06	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	8.72E-04
581	ALL	490037.3	3616553	NonCancer	9.28E-04	3.16E-06	5.84E-04	0.00E+00	0.00E+00	5.84E-04	3.16E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	9.28E-04
582	ALL	489994.1	3616566	NonCancer	1.02E-03	3.45E-06	6.39E-04	0.00E+00	0.00E+00	6.39E-04	3.45E-06	0.00E+00	3.45E-06	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	1.02E-03
583	ALL	489950.9	3616578	NonCancer	1.18E-03	4.01E-06	7.43E-04	0.00E+00	0.00E+00	7.43E-04	4.01E-06	0.00E+00	4.01E-06	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	1.18E-03
584	ALL	489929.2	3616585	NonCancer	1.21E-03	4.10E-06	7.60E-04	0.00E+00	0.00E+00	7.60E-04	4.10E-06	0.00E+00	4.10E-06	0.00E+00	0.00E+00	7.60E-04	0.00E+00	0.00E+00	1.21E-03
585	ALL	489907.6	3616591	NonCancer	1.25E-03	4.24E-06	7.84E-04	0.00E+00	0.00E+00	7.84E-04	4.24E-06	0.00E+00	4.24E-06	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00	1.25E-03
586	ALL	489864.4	3616604	NonCancer	1.21E-03	4.10E-06	7.59E-04	0.00E+00	0.00E+00	7.59E-04	4.10E-06	0.00E+00	4.10E-06	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	1.21E-03
587	ALL	489821.2	3616616	NonCancer	1.08E-03	3.68E-06	6.82E-04	0.00E+00	0.00E+00	6.82E-04	3.68E-06	0.00E+00	3.68E-06	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00	1.08E-03
588	ALL	489778	3616629	NonCancer	1.05E-03	3.58E-06	6.63E-04	0.00E+00	0.00E+00	6.63E-04	3.58E-06	0.00E+00	3.58E-06	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	1.05E-03
589	ALL	489734.8	3616641	NonCancer	1.01E-03	3.44E-06	6.37E-04	0.00E+00	0.00E+00	6.37E-04	3.44E-06	0.00E+00	3.44E-06	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	1.01E-03
590	ALL	489691.6	3616654	NonCancer	1.09E-03	3.72E-06	6.89E-04	0.00E+00	0.00E+00	6.89E-04	3.72E-06	0.00E+00	3.72E-06	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	1.09E-03
591	ALL	489669.9	3616660	NonCancer	1.09E-03	3.69E-06	6.83E-04	0.00E+00	0.00E+00	6.83E-04	3.69E-06	0.00E+00	3.69E-06	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	1.09E-03
592	ALL	489626.7	3616673	NonCancer	9.69E-04	3.29E-06	6.10E-04	0.00E+00	0.00E+00	6.10E-04	3.29E-06	0.00E+00	3.29E-06	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	9.69E-04
593	ALL	489583.5	3616685	NonCancer	1.05E-03	3.56E-06	6.59E-04	0.00E+00	0.00E+00	6.59E-04	3.56E-06	0.00E+00	3.56E-06	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	1.05E-03
594	ALL	489540.3	3616698	NonCancer	1.01E-03	3.42E-06	6.33E-04	0.00E+00	0.00E+00	6.33E-04	3.42E-06	0.00E+00	3.42E-06	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	1.01E-03
595	ALL	489497.1	3616711	NonCancer	8.34E-04	2.84E-06	5.25E-04	0.00E+00	0.00E+00	5.25E-04	2.84E-06	0.00E+00	2.84E-06	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	8.34E-04
596	ALL	489453.9	3616723	NonCancer	7.17E-04	2.44E-06	4.51E-04	0.00E+00	0.00E+00	4.51E-04	2.44E-06	0.00E+00	2.44E-06	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	7.17E-04
597	ALL	489410.6	3616736	NonCancer	5.32E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.32E-04
598	ALL	489367.4	3616748	NonCancer	1.19E-04	4.05E-07	7.50E-05	0.00E+00	0.00E+00	7.50E-05	4.05E-07	0.00E+00	4.05E-07	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	1.19E-04
599	ALL	489345.8	3616755	NonCancer	1.13E-04	3.86E-07	7.14E-05	0.00E+00	0.00E+00	7.14E-05	3.86E-07	0.00E+00	3.86E-07	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00	1.13E-04
600	ALL	489302.6	3616767	NonCancer	1.08E-04	3.66E-07	6.78E-05	0.00E+00	0.00E+00	6.78E-05	3.66E-07	0.00E+00	3.66E-07	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00	1.08E-04
601	ALL	489259.4	3616780	NonCancer	1.17E-04	3.99E-07	7.39E-05	0.00E+00	0.00E+00	7.39E-05	3.99E-07	0.00E+00	3.99E-07	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	1.17E-04
602	ALL	489216.2	3616792	NonCancer	1.42E-04	4.83E-07	8.94E-05	0.00E+00	0.00E+00	8.94E-05	4.83E-07	0.00E+00	4.83E-07	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00	1.42E-04
603	ALL	489173	3616805	NonCancer	5.21E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.21E-04
604	ALL	489129.7	3616818	NonCancer	9.06E-04	3.08E-06	5.70E-04	0.00E+00	0.00E+00	5.70E-04	3.08E-06	0.00E+00	3.08E-06	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	9.06E-04
605	ALL	489108.1	3616824	NonCancer	8.48E-04	2.88E-06	5.34E-04	0.00E+00	0.00E+00	5.34E-04	2.88E-06	0.00E+00	2.88E-06	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	8.48E-04
606	ALL	489086.5	3616830	NonCancer	7.61E-04	2.59E-06	4.79E-04	0.00E+00	0.00E+00	4.79E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	7.61E-04
607	ALL	489043.3	3616843	NonCancer	4.72E-04	1.60E-06	2.97E-04	0.00E+00	0.00E+00	2.97E-04	1.60E-06	0.00E+00	1.60E-06	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	4.72E-04
608	ALL	489021.7	3616849	NonCancer	2.86E-04	9.72E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.72E-07	0.00E+00	9.72E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.86E-04
609	ALL	489000.1	3616855	NonCancer	2.90E-04	9.85E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.85E-07	0.00E+00	9.85E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.90E-04
610	ALL	488978.5	3616862	NonCancer	2.90E-04	9.85E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.85E-07	0.00E+00	9.85E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.90E-04
611	ALL	488935.3	3616874	NonCancer	2.79E-04	9.49E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.49E-07	0.00E+00	9.49E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.79E-04
612	ALL	488892	3616887	NonCancer	2.55E-04	8.69E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.69E-07	0.00E+00	8.69E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.55E-04
613	ALL	491731.5	3614606	NonCancer	3.39E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.39E-04
614	ALL	491734.1	3614584	NonCancer	3.34E-04	1.14E-06	2.11E-04	0.00E+00	0.00E+00	2.11E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	3.34E-04
615	ALL	492118	3614672	NonCancer	4.01E-04	1.36E-06	2.53E-04	0.00E+00	0.00E+00	2.53E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	4.01E-04
616	ALL	492096.3	3614711	NonCancer	4.26E-04	1.45E-06	2.68E-04	0.00E+00	0.00E+00	2.68E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	4.26E-04
617	ALL	492074.6	3614750	NonCancer	4.90E-04	1.66E-06	3.08E-04	0.00E+00	0.00E+00	3.08E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	4.90E-04
618	ALL	492063.8	3614770	NonCancer	5.44E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.44E-04
619	ALL	492042	3614809	NonCancer	6.40E-04	2.17E-06	4.03E-04	0.00E+00	0.00E+00	4.03E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	6.40E-04
620	ALL	492020.3	3614848	NonCancer	6.78E-04	2.30E-06	4.27E-04	0.00E+00	0.00E+00	4.27E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	6.78E-04
621	ALL	492009.5	3614868	NonCancer	6.71E-04	2.28E-06	4.23E-04	0.00E+00	0.00E+00	4.23E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	6.71E-04
622	ALL	491987.8	3614907	NonCancer	6.03E-04	2.05E-06	3.80E-04	0.00E+00	0.00E+00	3.80E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	6.03E-04
623	ALL	491966.1	3614946	NonCancer	4.58E-04	1.56E-06	2.89E-04	0.00E+00	0.00E+00	2.89E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	4.58E-04

624	ALL	491955.2	3614966	NonCancer	4.20E-04	1.43E-06	2.65E-04	0.00E+00	0.00E+00	2.65E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	4.20E-04
625	ALL	491933.5	3615005	NonCancer	3.51E-04	1.19E-06	2.21E-04	0.00E+00	0.00E+00	2.21E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	3.51E-04
626	ALL	491911.8	3615044	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
627	ALL	491900.9	3615064	NonCancer	3.65E-04	1.24E-06	2.30E-04	0.00E+00	0.00E+00	2.30E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	3.65E-04
628	ALL	491879.2	3615103	NonCancer	4.49E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.49E-04
629	ALL	491857.5	3615142	NonCancer	5.90E-04	2.00E-06	3.71E-04	0.00E+00	0.00E+00	3.71E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	5.90E-04
630	ALL	491846.7	3615162	NonCancer	6.92E-04	2.35E-06	4.35E-04	0.00E+00	0.00E+00	4.35E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	6.92E-04
631	ALL	491825	3615201	NonCancer	8.58E-04	2.92E-06	5.40E-04	0.00E+00	0.00E+00	5.40E-04	2.92E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	8.58E-04
632	ALL	491803.2	3615240	NonCancer	9.03E-04	3.07E-06	5.69E-04	0.00E+00	0.00E+00	5.69E-04	3.07E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	9.03E-04
633	ALL	491792.4	3615260	NonCancer	8.71E-04	2.96E-06	5.49E-04	0.00E+00	0.00E+00	5.49E-04	2.96E-06	0.00E+00	2.96E-06	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	8.71E-04
634	ALL	491770.7	3615299	NonCancer	8.38E-04	2.85E-06	5.27E-04	0.00E+00	0.00E+00	5.27E-04	2.85E-06	0.00E+00	2.85E-06	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	8.38E-04
635	ALL	491749	3615338	NonCancer	7.78E-04	2.65E-06	4.90E-04	0.00E+00	0.00E+00	4.90E-04	2.65E-06	0.00E+00	2.65E-06	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	7.78E-04
636	ALL	491738.1	3615358	NonCancer	7.25E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.25E-04
637	ALL	491716.4	3615397	NonCancer	5.88E-04	2.00E-06	3.70E-04	0.00E+00	0.00E+00	3.70E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	5.88E-04
638	ALL	491694.7	3615436	NonCancer	5.68E-04	1.93E-06	3.58E-04	0.00E+00	0.00E+00	3.58E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	5.68E-04
639	ALL	491683.8	3615456	NonCancer	6.44E-04	2.19E-06	4.06E-04	0.00E+00	0.00E+00	4.06E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	6.44E-04
640	ALL	491662.1	3615495	NonCancer	8.07E-04	2.74E-06	5.08E-04	0.00E+00	0.00E+00	5.08E-04	2.74E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	8.07E-04
641	ALL	491640.4	3615534	NonCancer	9.02E-04	3.07E-06	5.68E-04	0.00E+00	0.00E+00	5.68E-04	3.07E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	9.02E-04
642	ALL	491629.6	3615554	NonCancer	9.26E-04	3.15E-06	5.83E-04	0.00E+00	0.00E+00	5.83E-04	3.15E-06	0.00E+00	3.15E-06	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	9.26E-04
643	ALL	491607.9	3615593	NonCancer	8.70E-04	2.96E-06	5.48E-04	0.00E+00	0.00E+00	5.48E-04	2.96E-06	0.00E+00	2.96E-06	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	8.70E-04
644	ALL	491586.1	3615632	NonCancer	7.12E-04	2.42E-06	4.48E-04	0.00E+00	0.00E+00	4.48E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	7.12E-04
645	ALL	491575.3	3615652	NonCancer	7.10E-04	2.42E-06	4.47E-04	0.00E+00	0.00E+00	4.47E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	7.10E-04
646	ALL	491553.6	3615691	NonCancer	5.52E-04	1.88E-06	3.47E-04	0.00E+00	0.00E+00	3.47E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	5.52E-04
647	ALL	491531.9	3615730	NonCancer	6.22E-04	2.11E-06	3.91E-04	0.00E+00	0.00E+00	3.91E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	6.22E-04
648	ALL	491521	3615750	NonCancer	6.17E-04	2.10E-06	3.89E-04	0.00E+00	0.00E+00	3.89E-04	2.10E-06	0.00E+00	2.10E-06	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	6.17E-04
649	ALL	491499.3	3615789	NonCancer	6.00E-04	2.04E-06	3.78E-04	0.00E+00	0.00E+00	3.78E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	6.00E-04
650	ALL	491477.6	3615828	NonCancer	5.23E-04	1.78E-06	3.29E-04	0.00E+00	0.00E+00	3.29E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	5.23E-04
651	ALL	491466.7	3615848	NonCancer	4.80E-04	1.63E-06	3.02E-04	0.00E+00	0.00E+00	3.02E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	4.80E-04
652	ALL	491445	3615887	NonCancer	5.53E-04	1.88E-06	3.48E-04	0.00E+00	0.00E+00	3.48E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	5.53E-04
653	ALL	491423.3	3615926	NonCancer	6.24E-04	2.12E-06	3.93E-04	0.00E+00	0.00E+00	3.93E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	6.24E-04
654	ALL	491412.5	3615946	NonCancer	6.63E-04	2.26E-06	4.18E-04	0.00E+00	0.00E+00	4.18E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	6.63E-04
655	ALL	491390.8	3615985	NonCancer	8.06E-04	2.74E-06	5.08E-04	0.00E+00	0.00E+00	5.08E-04	2.74E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	8.06E-04
656	ALL	491369.1	3616024	NonCancer	7.69E-04	2.61E-06	4.84E-04	0.00E+00	0.00E+00	4.84E-04	2.61E-06	0.00E+00	2.61E-06	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	7.69E-04
657	ALL	491358.2	3616044	NonCancer	7.51E-04	2.55E-06	4.73E-04	0.00E+00	0.00E+00	4.73E-04	2.55E-06	0.00E+00	2.55E-06	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	7.51E-04
658	ALL	491336.5	3616083	NonCancer	6.75E-04	2.30E-06	4.25E-04	0.00E+00	0.00E+00	4.25E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	6.75E-04
659	ALL	491314.8	3616122	NonCancer	5.60E-04	1.90E-06	3.52E-04	0.00E+00	0.00E+00	3.52E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	5.60E-04
660	ALL	491303.9	3616142	NonCancer	5.94E-04	2.02E-06	3.74E-04	0.00E+00	0.00E+00	3.74E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	5.94E-04
661	ALL	491282.2	3616181	NonCancer	6.79E-04	2.31E-06	4.28E-04	0.00E+00	0.00E+00	4.28E-04	2.31E-06	0.00E+00	2.31E-06	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	6.79E-04
662	ALL	491260.5	3616220	NonCancer	6.88E-04	2.34E-06	4.33E-04	0.00E+00	0.00E+00	4.33E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	6.88E-04
663	ALL	491249.7	3616240	NonCancer	6.41E-04	2.18E-06	4.03E-04	0.00E+00	0.00E+00	4.03E-04	2.18E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	6.41E-04
664	ALL	491227.9	3616279	NonCancer	5.92E-04	2.01E-06	3.73E-04	0.00E+00	0.00E+00	3.73E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	5.92E-04
665	ALL	491206.2	3616318	NonCancer	6.67E-04	2.27E-06	4.20E-04	0.00E+00	0.00E+00	4.20E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	6.67E-04
666	ALL	491195.4	3616338	NonCancer	6.61E-04	2.25E-06	4.16E-04	0.00E+00	0.00E+00	4.16E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	6.61E-04
667	ALL	491173.7	3616377	NonCancer	7.09E-04	2.41E-06	4.47E-04	0.00E+00	0.00E+00	4.47E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	7.09E-04
668	ALL	491152	3616416	NonCancer	7.76E-04	2.64E-06	4.89E-04	0.00E+00	0.00E+00	4.89E-04	2.64E-06	0.00E+00	2.64E-06	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	7.76E-04
669	ALL	491141.1	3616436	NonCancer	8.52E-04	2.90E-06	5.37E-04	0.00E+00	0.00E+00	5.37E-04	2.90E-06	0.00E+00	2.90E-06	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	8.52E-04
670	ALL	491119.4	3616475	NonCancer	9.31E-04	3.17E-06	5.86E-04	0.00E+00	0.00E+00	5.86E-04	3.17E-06	0.00E+00	3.17E-06	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	9.31E-04
671	ALL	491097.7	3616514	NonCancer	8.87E-04	3.02E-06	5.58E-04	0.00E+00	0.00E+00	5.58E-04	3.02E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	8.87E-04
672	ALL	491086.8	3616534	NonCancer	8.39E-04	2.85E-06	5.28E-04	0.00E+00	0.00E+00	5.28E-04	2.85E-06	0.00E+00	2.85E-06	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	8.39E-04
673	ALL	491065.1	3616573	NonCancer	7.48E-04	2.54E-06	4.71E-04	0.00E+00	0.00E+00	4.71E-04	2.54E-06	0.00E+00	2.54E-06	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	7.48E-04
674	ALL	491043.4	3616612	NonCancer	7.37E-04	2.51E-06	4.64E-04	0.00E+00	0.00E+00	4.64E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	7.37E-04
675	ALL	491032.6	3616632	NonCancer	7.01E-04	2.38E-06	4.41E-04	0.00E+00	0.00E+00	4.41E-04	2.38E-06	0.00E+00	2.38E-06	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	7.01E-04

676	ALL	491000.2	3616658	NonCancer	5.94E-04	2.02E-06	3.74E-04	0.00E+00	0.00E+00	3.74E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	5.94E-04
677	ALL	490957.2	3616670	NonCancer	6.57E-04	2.23E-06	4.14E-04	0.00E+00	0.00E+00	4.14E-04	2.23E-06	0.00E+00	2.23E-06	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	6.57E-04
678	ALL	490914.1	3616683	NonCancer	8.45E-04	2.87E-06	5.32E-04	0.00E+00	0.00E+00	5.32E-04	2.87E-06	0.00E+00	2.87E-06	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	8.45E-04
679	ALL	490871.1	3616695	NonCancer	9.94E-04	3.38E-06	6.26E-04	0.00E+00	0.00E+00	6.26E-04	3.38E-06	0.00E+00	3.38E-06	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	9.94E-04
680	ALL	490828.1	3616708	NonCancer	1.05E-03	3.57E-06	6.62E-04	0.00E+00	0.00E+00	6.62E-04	3.57E-06	0.00E+00	3.57E-06	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	1.05E-03
681	ALL	490785.1	3616721	NonCancer	9.65E-04	3.28E-06	6.08E-04	0.00E+00	0.00E+00	6.08E-04	3.28E-06	0.00E+00	3.28E-06	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00	9.65E-04
682	ALL	490742.1	3616733	NonCancer	1.07E-03	3.65E-06	6.76E-04	0.00E+00	0.00E+00	6.76E-04	3.65E-06	0.00E+00	3.65E-06	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	1.07E-03
683	ALL	490699	3616746	NonCancer	1.02E-03	3.47E-06	6.42E-04	0.00E+00	0.00E+00	6.42E-04	3.47E-06	0.00E+00	3.47E-06	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	1.02E-03
684	ALL	490656	3616758	NonCancer	9.64E-04	3.28E-06	6.07E-04	0.00E+00	0.00E+00	6.07E-04	3.28E-06	0.00E+00	3.28E-06	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	9.64E-04
685	ALL	490613	3616771	NonCancer	1.04E-03	3.53E-06	6.54E-04	0.00E+00	0.00E+00	6.54E-04	3.53E-06	0.00E+00	3.53E-06	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	1.04E-03
686	ALL	490570	3616783	NonCancer	1.02E-03	3.45E-06	6.39E-04	0.00E+00	0.00E+00	6.39E-04	3.45E-06	0.00E+00	3.45E-06	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	1.02E-03
687	ALL	490527	3616796	NonCancer	9.19E-04	3.13E-06	5.79E-04	0.00E+00	0.00E+00	5.79E-04	3.13E-06	0.00E+00	3.13E-06	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	9.19E-04
688	ALL	490483.9	3616808	NonCancer	9.57E-04	3.26E-06	6.03E-04	0.00E+00	0.00E+00	6.03E-04	3.26E-06	0.00E+00	3.26E-06	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	9.57E-04
689	ALL	490440.9	3616821	NonCancer	1.05E-03	3.58E-06	6.63E-04	0.00E+00	0.00E+00	6.63E-04	3.58E-06	0.00E+00	3.58E-06	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	1.05E-03
690	ALL	490397.9	3616833	NonCancer	1.03E-03	3.51E-06	6.49E-04	0.00E+00	0.00E+00	6.49E-04	3.51E-06	0.00E+00	3.51E-06	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	1.03E-03
691	ALL	490354.9	3616846	NonCancer	9.73E-04	3.31E-06	6.13E-04	0.00E+00	0.00E+00	6.13E-04	3.31E-06	0.00E+00	3.31E-06	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	9.73E-04
692	ALL	490311.9	3616858	NonCancer	8.54E-04	2.90E-06	5.38E-04	0.00E+00	0.00E+00	5.38E-04	2.90E-06	0.00E+00	2.90E-06	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	8.54E-04
693	ALL	490268.8	3616871	NonCancer	9.07E-04	3.08E-06	5.71E-04	0.00E+00	0.00E+00	5.71E-04	3.08E-06	0.00E+00	3.08E-06	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	9.07E-04
694	ALL	490225.8	3616883	NonCancer	8.82E-04	3.00E-06	5.55E-04	0.00E+00	0.00E+00	5.55E-04	3.00E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	8.82E-04
695	ALL	490182.8	3616896	NonCancer	7.59E-04	2.58E-06	4.78E-04	0.00E+00	0.00E+00	4.78E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	7.59E-04
696	ALL	490139.8	3616909	NonCancer	6.45E-04	2.19E-06	4.06E-04	0.00E+00	0.00E+00	4.06E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	6.45E-04
697	ALL	490096.7	3616921	NonCancer	7.18E-04	2.44E-06	4.52E-04	0.00E+00	0.00E+00	4.52E-04	2.44E-06	0.00E+00	2.44E-06	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	7.18E-04
698	ALL	490053.7	3616934	NonCancer	8.38E-04	2.85E-06	5.28E-04	0.00E+00	0.00E+00	5.28E-04	2.85E-06	0.00E+00	2.85E-06	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	8.38E-04
699	ALL	490010.7	3616946	NonCancer	9.59E-04	3.26E-06	6.04E-04	0.00E+00	0.00E+00	6.04E-04	3.26E-06	0.00E+00	3.26E-06	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	9.59E-04
700	ALL	489967.7	3616959	NonCancer	9.55E-04	3.25E-06	6.01E-04	0.00E+00	0.00E+00	6.01E-04	3.25E-06	0.00E+00	3.25E-06	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	9.55E-04
701	ALL	489924.7	3616971	NonCancer	8.11E-04	2.76E-06	5.10E-04	0.00E+00	0.00E+00	5.10E-04	2.76E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	8.11E-04
702	ALL	489881.6	3616984	NonCancer	8.12E-04	2.76E-06	5.11E-04	0.00E+00	0.00E+00	5.11E-04	2.76E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	8.12E-04
703	ALL	489838.6	3616996	NonCancer	8.55E-04	2.91E-06	5.38E-04	0.00E+00	0.00E+00	5.38E-04	2.91E-06	0.00E+00	2.91E-06	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	8.55E-04
704	ALL	489795.6	3617009	NonCancer	9.18E-04	3.12E-06	5.78E-04	0.00E+00	0.00E+00	5.78E-04	3.12E-06	0.00E+00	3.12E-06	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	9.18E-04
705	ALL	489752.6	3617021	NonCancer	9.63E-04	3.27E-06	6.06E-04	0.00E+00	0.00E+00	6.06E-04	3.27E-06	0.00E+00	3.27E-06	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	9.63E-04
706	ALL	489709.6	3617034	NonCancer	4.60E-04	1.56E-06	2.90E-04	0.00E+00	0.00E+00	2.90E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	4.60E-04
707	ALL	489666.5	3617046	NonCancer	1.84E-04	6.24E-07	1.16E-04	0.00E+00	0.00E+00	1.16E-04	6.24E-07	0.00E+00	6.24E-07	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.84E-04
708	ALL	489623.5	3617059	NonCancer	1.74E-04	5.93E-07	1.10E-04	0.00E+00	0.00E+00	1.10E-04	5.93E-07	0.00E+00	5.93E-07	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	1.74E-04
709	ALL	489580.5	3617071	NonCancer	1.60E-04	5.45E-07	1.01E-04	0.00E+00	0.00E+00	1.01E-04	5.45E-07	0.00E+00	5.45E-07	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	1.60E-04
710	ALL	489537.5	3617084	NonCancer	1.43E-04	4.85E-07	8.99E-05	0.00E+00	0.00E+00	8.99E-05	4.85E-07	0.00E+00	4.85E-07	0.00E+00	0.00E+00	8.99E-05	0.00E+00	0.00E+00	1.43E-04
711	ALL	489494.5	3617097	NonCancer	1.23E-04	4.19E-07	7.76E-05	0.00E+00	0.00E+00	7.76E-05	4.19E-07	0.00E+00	4.19E-07	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	1.23E-04
712	ALL	489451.4	3617109	NonCancer	1.08E-04	3.67E-07	6.79E-05	0.00E+00	0.00E+00	6.79E-05	3.67E-07	0.00E+00	3.67E-07	0.00E+00	0.00E+00	6.79E-05	0.00E+00	0.00E+00	1.08E-04
713	ALL	489408.4	3617122	NonCancer	9.87E-05	3.36E-07	6.21E-05	0.00E+00	0.00E+00	6.21E-05	3.36E-07	0.00E+00	3.36E-07	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00	9.87E-05
714	ALL	489365.4	3617134	NonCancer	9.02E-05	3.07E-07	5.68E-05	0.00E+00	0.00E+00	5.68E-05	3.07E-07	0.00E+00	3.07E-07	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	9.02E-05
715	ALL	489322.4	3617147	NonCancer	8.92E-05	3.03E-07	5.61E-05	0.00E+00	0.00E+00	5.61E-05	3.03E-07	0.00E+00	3.03E-07	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	8.92E-05
716	ALL	489279.3	3617159	NonCancer	4.16E-04	1.41E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.16E-04
717	ALL	489236.3	3617172	NonCancer	3.64E-04	1.24E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.64E-04
718	ALL	489193.3	3617184	NonCancer	1.29E-04	4.38E-07	8.12E-05	0.00E+00	0.00E+00	8.12E-05	4.38E-07	0.00E+00	4.38E-07	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	1.29E-04
719	ALL	489150.3	3617197	NonCancer	1.59E-04	5.40E-07	9.99E-05	0.00E+00	0.00E+00	9.99E-05	5.40E-07	0.00E+00	5.40E-07	0.00E+00	0.00E+00	9.99E-05	0.00E+00	0.00E+00	1.59E-04
720	ALL	489107.3	3617209	NonCancer	4.85E-04	1.65E-06	3.05E-04	0.00E+00	0.00E+00	3.05E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	4.85E-04
721	ALL	489064.2	3617222	NonCancer	5.40E-04	1.84E-06	3.40E-04	0.00E+00	0.00E+00	3.40E-04	1.84E-06	0.00E+00	1.84E-06	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	5.40E-04
722	ALL	489021.2	3617234	NonCancer	5.16E-04	1.75E-06	3.25E-04	0.00E+00	0.00E+00	3.25E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	5.16E-04
723	ALL	488978.2	3617247	NonCancer	5.45E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.45E-04
724	ALL	488935.2	3617260	NonCancer	5.67E-04	1.93E-06	3.57E-04	0.00E+00	0.00E+00	3.57E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	5.67E-04
725	ALL	488892.2	3617272	NonCancer	5.30E-04	1.80E-06	3.34E-04	0.00E+00	0.00E+00	3.34E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	5.30E-04
726	ALL	488849.1	3617285	NonCancer	4.70E-04	1.60E-06	2.96E-04	0.00E+00	0.00E+00	2.96E-04	1.60E-06	0.00E+00	1.60E-06	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	4.70E-04
727	ALL	492128.9	3614652	NonCancer	4.66E-04	1.58E-06	2.93E-04	0.00E+00	0.00E+00	2.93E-04	1.58E-06	0.00E+00	1.58E-06	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	4.66E-04

728	ALL	492515.3	3614718	NonCancer	1.18E-04	4.02E-07	7.44E-05	0.00E+00	0.00E+00	7.44E-05	4.02E-07	0.00E+00	4.02E-07	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	1.18E-04
729	ALL	492504.4	3614738	NonCancer	1.16E-04	3.96E-07	7.33E-05	0.00E+00	0.00E+00	7.33E-05	3.96E-07	0.00E+00	3.96E-07	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	1.16E-04
730	ALL	492493.5	3614757	NonCancer	1.13E-04	3.84E-07	7.11E-05	0.00E+00	0.00E+00	7.11E-05	3.84E-07	0.00E+00	3.84E-07	0.00E+00	0.00E+00	7.11E-05	0.00E+00	0.00E+00	1.13E-04
731	ALL	492471.7	3614797	NonCancer	1.24E-04	4.22E-07	7.81E-05	0.00E+00	0.00E+00	7.81E-05	4.22E-07	0.00E+00	4.22E-07	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	1.24E-04
732	ALL	492460.8	3614816	NonCancer	1.32E-04	4.48E-07	8.29E-05	0.00E+00	0.00E+00	8.29E-05	4.48E-07	0.00E+00	4.48E-07	0.00E+00	0.00E+00	8.29E-05	0.00E+00	0.00E+00	1.32E-04
733	ALL	492449.9	3614836	NonCancer	1.40E-04	4.77E-07	8.83E-05	0.00E+00	0.00E+00	8.83E-05	4.77E-07	0.00E+00	4.77E-07	0.00E+00	0.00E+00	8.83E-05	0.00E+00	0.00E+00	1.40E-04
734	ALL	492439	3614856	NonCancer	1.52E-04	5.18E-07	9.60E-05	0.00E+00	0.00E+00	9.60E-05	5.18E-07	0.00E+00	5.18E-07	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	1.52E-04
735	ALL	492417.1	3614895	NonCancer	1.62E-04	5.51E-07	1.02E-04	0.00E+00	0.00E+00	1.02E-04	5.51E-07	0.00E+00	5.51E-07	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	1.62E-04
736	ALL	492406.2	3614915	NonCancer	1.66E-04	5.63E-07	1.04E-04	0.00E+00	0.00E+00	1.04E-04	5.63E-07	0.00E+00	5.63E-07	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	1.66E-04
737	ALL	492395.3	3614935	NonCancer	1.86E-04	6.32E-07	1.17E-04	0.00E+00	0.00E+00	1.17E-04	6.32E-07	0.00E+00	6.32E-07	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	1.86E-04
738	ALL	492384.4	3614954	NonCancer	2.07E-04	7.03E-07	1.30E-04	0.00E+00	0.00E+00	1.30E-04	7.03E-07	0.00E+00	7.03E-07	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	2.07E-04
739	ALL	492362.6	3614994	NonCancer	2.39E-04	8.12E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04	8.12E-07	0.00E+00	8.12E-07	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	2.39E-04
740	ALL	492351.7	3615014	NonCancer	2.51E-04	8.53E-07	1.58E-04	0.00E+00	0.00E+00	1.58E-04	8.53E-07	0.00E+00	8.53E-07	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	2.51E-04
741	ALL	492340.7	3615033	NonCancer	2.45E-04	8.33E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.33E-07	0.00E+00	8.33E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.45E-04
742	ALL	492329.8	3615053	NonCancer	2.57E-04	8.74E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.74E-07	0.00E+00	8.74E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.57E-04
743	ALL	492308	3615092	NonCancer	2.49E-04	8.48E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.48E-07	0.00E+00	8.48E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.49E-04
744	ALL	492297.1	3615112	NonCancer	2.67E-04	9.08E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.08E-07	0.00E+00	9.08E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.67E-04
745	ALL	492286.2	3615132	NonCancer	2.46E-04	8.35E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.35E-07	0.00E+00	8.35E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.46E-04
746	ALL	492275.3	3615151	NonCancer	2.74E-04	9.33E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.33E-07	0.00E+00	9.33E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.74E-04
747	ALL	492253.5	3615191	NonCancer	3.75E-04	1.27E-06	2.36E-04	0.00E+00	0.00E+00	2.36E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	3.75E-04
748	ALL	492242.5	3615211	NonCancer	4.42E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.42E-04
749	ALL	492231.6	3615230	NonCancer	5.28E-04	1.79E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.28E-04
750	ALL	492220.7	3615250	NonCancer	5.65E-04	1.92E-06	3.56E-04	0.00E+00	0.00E+00	3.56E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	5.65E-04
751	ALL	492209.8	3615270	NonCancer	6.41E-04	2.18E-06	4.03E-04	0.00E+00	0.00E+00	4.03E-04	2.18E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	6.41E-04
752	ALL	492188	3615309	NonCancer	6.70E-04	2.28E-06	4.22E-04	0.00E+00	0.00E+00	4.22E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	6.70E-04
753	ALL	492177.1	3615329	NonCancer	6.70E-04	2.28E-06	4.22E-04	0.00E+00	0.00E+00	4.22E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	6.70E-04
754	ALL	492166.2	3615348	NonCancer	6.60E-04	2.25E-06	4.16E-04	0.00E+00	0.00E+00	4.16E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	6.60E-04
755	ALL	492155.3	3615368	NonCancer	6.48E-04	2.20E-06	4.08E-04	0.00E+00	0.00E+00	4.08E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	6.48E-04
756	ALL	492133.4	3615408	NonCancer	5.64E-04	1.92E-06	3.55E-04	0.00E+00	0.00E+00	3.55E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	5.64E-04
757	ALL	492122.5	3615427	NonCancer	5.47E-04	1.86E-06	3.44E-04	0.00E+00	0.00E+00	3.44E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	5.47E-04
758	ALL	492111.6	3615447	NonCancer	5.48E-04	1.86E-06	3.45E-04	0.00E+00	0.00E+00	3.45E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	5.48E-04
759	ALL	492100.7	3615467	NonCancer	5.17E-04	1.76E-06	3.25E-04	0.00E+00	0.00E+00	3.25E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	5.17E-04
760	ALL	492078.9	3615506	NonCancer	5.74E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.74E-04
761	ALL	492068	3615526	NonCancer	5.21E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.21E-04
762	ALL	492057.1	3615545	NonCancer	4.38E-04	1.49E-06	2.76E-04	0.00E+00	0.00E+00	2.76E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	4.38E-04
763	ALL	492046.1	3615565	NonCancer	3.96E-04	1.35E-06	2.49E-04	0.00E+00	0.00E+00	2.49E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	3.96E-04
764	ALL	492024.3	3615605	NonCancer	3.46E-04	1.18E-06	2.18E-04	0.00E+00	0.00E+00	2.18E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	3.46E-04
765	ALL	492013.4	3615624	NonCancer	3.71E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.71E-04
766	ALL	492002.5	3615644	NonCancer	4.00E-04	1.36E-06	2.52E-04	0.00E+00	0.00E+00	2.52E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	4.00E-04
767	ALL	491991.6	3615664	NonCancer	4.47E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.47E-04
768	ALL	491980.7	3615683	NonCancer	4.88E-04	1.66E-06	3.07E-04	0.00E+00	0.00E+00	3.07E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	4.88E-04
769	ALL	491958.9	3615723	NonCancer	5.33E-04	1.81E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.33E-04
770	ALL	491947.9	3615742	NonCancer	5.30E-04	1.80E-06	3.34E-04	0.00E+00	0.00E+00	3.34E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	5.30E-04
771	ALL	491937	3615762	NonCancer	5.13E-04	1.75E-06	3.23E-04	0.00E+00	0.00E+00	3.23E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	5.13E-04
772	ALL	491926.1	3615782	NonCancer	4.90E-04	1.66E-06	3.08E-04	0.00E+00	0.00E+00	3.08E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	4.90E-04
773	ALL	491904.3	3615821	NonCancer	4.16E-04	1.42E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.16E-04
774	ALL	491893.4	3615841	NonCancer	4.39E-04	1.49E-06	2.77E-04	0.00E+00	0.00E+00	2.77E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	4.39E-04
775	ALL	491882.5	3615861	NonCancer	4.22E-04	1.43E-06	2.66E-04	0.00E+00	0.00E+00	2.66E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	4.22E-04
776	ALL	491871.6	3615880	NonCancer	4.24E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.24E-04
777	ALL	491849.7	3615920	NonCancer	4.83E-04	1.64E-06	3.04E-04	0.00E+00	0.00E+00	3.04E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	4.83E-04
778	ALL	491838.8	3615940	NonCancer	5.31E-04	1.80E-06	3.34E-04	0.00E+00	0.00E+00	3.34E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	5.31E-04
779	ALL	491827.9	3615959	NonCancer	5.49E-04	1.87E-06	3.46E-04	0.00E+00	0.00E+00	3.46E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	5.49E-04

780	ALL	491817	3615979	NonCancer	5.65E-04	1.92E-06	3.56E-04	0.00E+00	0.00E+00	3.56E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	5.65E-04
781	ALL	491795.2	3616018	NonCancer	5.22E-04	1.78E-06	3.29E-04	0.00E+00	0.00E+00	3.29E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	5.22E-04
782	ALL	491784.3	3616038	NonCancer	5.08E-04	1.73E-06	3.20E-04	0.00E+00	0.00E+00	3.20E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	5.08E-04
783	ALL	491773.4	3616058	NonCancer	4.62E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.62E-04
784	ALL	491762.4	3616077	NonCancer	4.48E-04	1.52E-06	2.82E-04	0.00E+00	0.00E+00	2.82E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	4.48E-04
785	ALL	491751.5	3616097	NonCancer	4.53E-04	1.54E-06	2.85E-04	0.00E+00	0.00E+00	2.85E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	4.53E-04
786	ALL	491729.7	3616137	NonCancer	5.43E-04	1.85E-06	3.42E-04	0.00E+00	0.00E+00	3.42E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	5.43E-04
787	ALL	491718.8	3616156	NonCancer	5.65E-04	1.92E-06	3.56E-04	0.00E+00	0.00E+00	3.56E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	5.65E-04
788	ALL	491707.9	3616176	NonCancer	5.28E-04	1.79E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.28E-04
789	ALL	491697	3616196	NonCancer	6.10E-04	2.07E-06	3.84E-04	0.00E+00	0.00E+00	3.84E-04	2.07E-06	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	6.10E-04
790	ALL	491675.2	3616235	NonCancer	6.87E-04	2.33E-06	4.32E-04	0.00E+00	0.00E+00	4.32E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	6.87E-04
791	ALL	491664.2	3616255	NonCancer	7.05E-04	2.40E-06	4.44E-04	0.00E+00	0.00E+00	4.44E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	7.05E-04
792	ALL	491653.3	3616274	NonCancer	7.17E-04	2.44E-06	4.51E-04	0.00E+00	0.00E+00	4.51E-04	2.44E-06	0.00E+00	2.44E-06	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	7.17E-04
793	ALL	491642.4	3616294	NonCancer	6.74E-04	2.29E-06	4.25E-04	0.00E+00	0.00E+00	4.25E-04	2.29E-06	0.00E+00	2.29E-06	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	6.74E-04
794	ALL	491620.6	3616334	NonCancer	5.22E-04	1.78E-06	3.29E-04	0.00E+00	0.00E+00	3.29E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	5.22E-04
795	ALL	491609.7	3616353	NonCancer	4.99E-04	1.70E-06	3.14E-04	0.00E+00	0.00E+00	3.14E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	4.99E-04
796	ALL	491598.8	3616373	NonCancer	4.95E-04	1.68E-06	3.12E-04	0.00E+00	0.00E+00	3.12E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	4.95E-04
797	ALL	491587.9	3616393	NonCancer	4.78E-04	1.63E-06	3.01E-04	0.00E+00	0.00E+00	3.01E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	4.78E-04
798	ALL	491566	3616432	NonCancer	5.44E-04	1.85E-06	3.42E-04	0.00E+00	0.00E+00	3.42E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	5.44E-04
799	ALL	491555.1	3616452	NonCancer	5.98E-04	2.03E-06	3.77E-04	0.00E+00	0.00E+00	3.77E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	5.98E-04
800	ALL	491544.2	3616471	NonCancer	6.67E-04	2.27E-06	4.20E-04	0.00E+00	0.00E+00	4.20E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	6.67E-04
801	ALL	491533.3	3616491	NonCancer	6.37E-04	2.16E-06	4.01E-04	0.00E+00	0.00E+00	4.01E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	6.37E-04
802	ALL	491522.4	3616511	NonCancer	5.72E-04	1.94E-06	3.60E-04	0.00E+00	0.00E+00	3.60E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	5.72E-04
803	ALL	491500.6	3616550	NonCancer	6.12E-04	2.08E-06	3.85E-04	0.00E+00	0.00E+00	3.85E-04	2.08E-06	0.00E+00	2.08E-06	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	6.12E-04
804	ALL	491489.7	3616570	NonCancer	6.10E-04	2.07E-06	3.84E-04	0.00E+00	0.00E+00	3.84E-04	2.07E-06	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	6.10E-04
805	ALL	491478.8	3616590	NonCancer	6.10E-04	2.08E-06	3.84E-04	0.00E+00	0.00E+00	3.84E-04	2.08E-06	0.00E+00	2.08E-06	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	6.10E-04
806	ALL	491467.8	3616609	NonCancer	5.89E-04	2.00E-06	3.71E-04	0.00E+00	0.00E+00	3.71E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	5.89E-04
807	ALL	491446	3616649	NonCancer	5.14E-04	1.75E-06	3.24E-04	0.00E+00	0.00E+00	3.24E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	5.14E-04
808	ALL	491435.1	3616669	NonCancer	4.73E-04	1.61E-06	2.98E-04	0.00E+00	0.00E+00	2.98E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	4.73E-04
809	ALL	491424.2	3616688	NonCancer	4.39E-04	1.49E-06	2.76E-04	0.00E+00	0.00E+00	2.76E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	4.39E-04
810	ALL	491413.3	3616708	NonCancer	4.05E-04	1.38E-06	2.55E-04	0.00E+00	0.00E+00	2.55E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	4.05E-04
811	ALL	491391.5	3616747	NonCancer	4.66E-04	1.58E-06	2.93E-04	0.00E+00	0.00E+00	2.93E-04	1.58E-06	0.00E+00	1.58E-06	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	4.66E-04
812	ALL	491380.5	3616767	NonCancer	4.74E-04	1.61E-06	2.99E-04	0.00E+00	0.00E+00	2.99E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	4.74E-04
813	ALL	491369.6	3616787	NonCancer	4.76E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.76E-04
814	ALL	491358.7	3616806	NonCancer	4.71E-04	1.60E-06	2.97E-04	0.00E+00	0.00E+00	2.97E-04	1.60E-06	0.00E+00	1.60E-06	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	4.71E-04
815	ALL	491336.9	3616846	NonCancer	4.58E-04	1.56E-06	2.88E-04	0.00E+00	0.00E+00	2.88E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	4.58E-04
816	ALL	491326	3616866	NonCancer	5.27E-04	1.79E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.27E-04
817	ALL	491315.1	3616885	NonCancer	5.95E-04	2.02E-06	3.75E-04	0.00E+00	0.00E+00	3.75E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	5.95E-04
818	ALL	491304.2	3616905	NonCancer	5.94E-04	2.02E-06	3.74E-04	0.00E+00	0.00E+00	3.74E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	5.94E-04
819	ALL	491293.3	3616925	NonCancer	5.83E-04	1.98E-06	3.67E-04	0.00E+00	0.00E+00	3.67E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	5.83E-04
820	ALL	491249.8	3616970	NonCancer	4.77E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.77E-04
821	ALL	491228.2	3616977	NonCancer	4.69E-04	1.59E-06	2.95E-04	0.00E+00	0.00E+00	2.95E-04	1.59E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	4.69E-04
822	ALL	491206.6	3616983	NonCancer	4.49E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.49E-04
823	ALL	491184.9	3616989	NonCancer	4.31E-04	1.46E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.31E-04
824	ALL	491163.3	3616996	NonCancer	4.33E-04	1.47E-06	2.73E-04	0.00E+00	0.00E+00	2.73E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	4.33E-04
825	ALL	491141.7	3617002	NonCancer	3.37E-04	1.14E-06	2.12E-04	0.00E+00	0.00E+00	2.12E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	3.37E-04
826	ALL	491120.1	3617008	NonCancer	3.13E-04	1.07E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.13E-04
827	ALL	491098.5	3617014	NonCancer	3.66E-04	1.24E-06	2.30E-04	0.00E+00	0.00E+00	2.30E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	3.66E-04
828	ALL	491076.8	3617021	NonCancer	5.02E-04	1.71E-06	3.16E-04	0.00E+00	0.00E+00	3.16E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	5.02E-04
829	ALL	491055.2	3617027	NonCancer	5.40E-04	1.83E-06	3.40E-04	0.00E+00	0.00E+00	3.40E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	5.40E-04
830	ALL	491012	3617040	NonCancer	4.92E-04	1.67E-06	3.10E-04	0.00E+00	0.00E+00	3.10E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	4.92E-04
831	ALL	490990.3	3617046	NonCancer	4.34E-04	1.48E-06	2.73E-04	0.00E+00	0.00E+00	2.73E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	4.34E-04

832	ALL	490968.7	3617052	NonCancer	5.12E-04	1.74E-06	3.23E-04	0.00E+00	0.00E+00	3.23E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	5.12E-04
833	ALL	490947.1	3617059	NonCancer	8.51E-04	2.89E-06	5.36E-04	0.00E+00	0.00E+00	5.36E-04	2.89E-06	0.00E+00	2.89E-06	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	8.51E-04
834	ALL	490925.5	3617065	NonCancer	9.41E-04	3.20E-06	5.93E-04	0.00E+00	0.00E+00	5.93E-04	3.20E-06	0.00E+00	3.20E-06	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	9.41E-04
835	ALL	490903.8	3617071	NonCancer	9.30E-04	3.16E-06	5.86E-04	0.00E+00	0.00E+00	5.86E-04	3.16E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	9.30E-04
836	ALL	490882.2	3617077	NonCancer	8.83E-04	3.00E-06	5.56E-04	0.00E+00	0.00E+00	5.56E-04	3.00E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	8.83E-04
837	ALL	490860.6	3617084	NonCancer	8.15E-04	2.77E-06	5.13E-04	0.00E+00	0.00E+00	5.13E-04	2.77E-06	0.00E+00	2.77E-06	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	8.15E-04
838	ALL	490839	3617090	NonCancer	8.36E-04	2.84E-06	5.26E-04	0.00E+00	0.00E+00	5.26E-04	2.84E-06	0.00E+00	2.84E-06	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	8.36E-04
839	ALL	490817.4	3617096	NonCancer	8.56E-04	2.91E-06	5.39E-04	0.00E+00	0.00E+00	5.39E-04	2.91E-06	0.00E+00	2.91E-06	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	8.56E-04
840	ALL	490795.7	3617103	NonCancer	8.70E-04	2.96E-06	5.48E-04	0.00E+00	0.00E+00	5.48E-04	2.96E-06	0.00E+00	2.96E-06	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	8.70E-04
841	ALL	490774.1	3617109	NonCancer	8.58E-04	2.92E-06	5.40E-04	0.00E+00	0.00E+00	5.40E-04	2.92E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	8.58E-04
842	ALL	490752.5	3617115	NonCancer	8.75E-04	2.97E-06	5.51E-04	0.00E+00	0.00E+00	5.51E-04	2.97E-06	0.00E+00	2.97E-06	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	8.75E-04
843	ALL	490709.2	3617128	NonCancer	8.26E-04	2.81E-06	5.20E-04	0.00E+00	0.00E+00	5.20E-04	2.81E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	8.26E-04
844	ALL	490687.6	3617134	NonCancer	7.91E-04	2.69E-06	4.98E-04	0.00E+00	0.00E+00	4.98E-04	2.69E-06	0.00E+00	2.69E-06	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	7.91E-04
845	ALL	490666	3617140	NonCancer	8.14E-04	2.77E-06	5.12E-04	0.00E+00	0.00E+00	5.12E-04	2.77E-06	0.00E+00	2.77E-06	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	8.14E-04
846	ALL	490644.4	3617147	NonCancer	8.17E-04	2.78E-06	5.14E-04	0.00E+00	0.00E+00	5.14E-04	2.78E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	8.17E-04
847	ALL	490622.8	3617153	NonCancer	8.01E-04	2.72E-06	5.04E-04	0.00E+00	0.00E+00	5.04E-04	2.72E-06	0.00E+00	2.72E-06	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	8.01E-04
848	ALL	490601.1	3617159	NonCancer	7.52E-04	2.56E-06	4.73E-04	0.00E+00	0.00E+00	4.73E-04	2.56E-06	0.00E+00	2.56E-06	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	7.52E-04
849	ALL	490579.5	3617166	NonCancer	6.76E-04	2.30E-06	4.26E-04	0.00E+00	0.00E+00	4.26E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	6.76E-04
850	ALL	490557.9	3617172	NonCancer	6.48E-04	2.20E-06	4.08E-04	0.00E+00	0.00E+00	4.08E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	6.48E-04
851	ALL	490536.3	3617178	NonCancer	6.47E-04	2.20E-06	4.07E-04	0.00E+00	0.00E+00	4.07E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	6.47E-04
852	ALL	490514.6	3617185	NonCancer	6.39E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.39E-04
853	ALL	490493	3617191	NonCancer	6.21E-04	2.11E-06	3.91E-04	0.00E+00	0.00E+00	3.91E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	6.21E-04
854	ALL	490471.4	3617197	NonCancer	5.85E-04	1.99E-06	3.68E-04	0.00E+00	0.00E+00	3.68E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	5.85E-04
855	ALL	490449.8	3617203	NonCancer	5.81E-04	1.98E-06	3.66E-04	0.00E+00	0.00E+00	3.66E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	5.81E-04
856	ALL	490406.5	3617216	NonCancer	6.94E-04	2.36E-06	4.37E-04	0.00E+00	0.00E+00	4.37E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	6.94E-04
857	ALL	490384.9	3617222	NonCancer	7.26E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.26E-04
858	ALL	490363.3	3617229	NonCancer	7.30E-04	2.48E-06	4.59E-04	0.00E+00	0.00E+00	4.59E-04	2.48E-06	0.00E+00	2.48E-06	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	7.30E-04
859	ALL	490341.7	3617235	NonCancer	7.13E-04	2.42E-06	4.49E-04	0.00E+00	0.00E+00	4.49E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	7.13E-04
860	ALL	490320	3617241	NonCancer	6.92E-04	2.35E-06	4.35E-04	0.00E+00	0.00E+00	4.35E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	6.92E-04
861	ALL	490298.4	3617248	NonCancer	6.70E-04	2.28E-06	4.22E-04	0.00E+00	0.00E+00	4.22E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	6.70E-04
862	ALL	490276.8	3617254	NonCancer	6.15E-04	2.09E-06	3.87E-04	0.00E+00	0.00E+00	3.87E-04	2.09E-06	0.00E+00	2.09E-06	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	6.15E-04
863	ALL	490255.2	3617260	NonCancer	6.07E-04	2.06E-06	3.82E-04	0.00E+00	0.00E+00	3.82E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	6.07E-04
864	ALL	490233.5	3617266	NonCancer	6.80E-04	2.31E-06	4.28E-04	0.00E+00	0.00E+00	4.28E-04	2.31E-06	0.00E+00	2.31E-06	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	6.80E-04
865	ALL	490211.9	3617273	NonCancer	8.04E-04	2.73E-06	5.06E-04	0.00E+00	0.00E+00	5.06E-04	2.73E-06	0.00E+00	2.73E-06	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	8.04E-04
866	ALL	490190.3	3617279	NonCancer	7.85E-04	2.67E-06	4.94E-04	0.00E+00	0.00E+00	4.94E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	7.85E-04
867	ALL	490168.7	3617285	NonCancer	6.39E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.39E-04
868	ALL	490147.1	3617292	NonCancer	5.76E-04	1.96E-06	3.62E-04	0.00E+00	0.00E+00	3.62E-04	1.96E-06	0.00E+00	1.96E-06	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	5.76E-04
869	ALL	490103.8	3617304	NonCancer	4.90E-04	1.67E-06	3.09E-04	0.00E+00	0.00E+00	3.09E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	4.90E-04
870	ALL	490082.2	3617311	NonCancer	4.51E-04	1.53E-06	2.84E-04	0.00E+00	0.00E+00	2.84E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	4.51E-04
871	ALL	490060.6	3617317	NonCancer	4.01E-04	1.36E-06	2.52E-04	0.00E+00	0.00E+00	2.52E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	4.01E-04
872	ALL	490038.9	3617323	NonCancer	9.45E-05	3.21E-07	5.95E-05	0.00E+00	0.00E+00	5.95E-05	3.21E-07	0.00E+00	3.21E-07	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	9.45E-05
873	ALL	490017.3	3617329	NonCancer	3.17E-04	1.08E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.17E-04
874	ALL	489995.7	3617336	NonCancer	2.56E-04	8.70E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.70E-07	0.00E+00	8.70E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.56E-04
875	ALL	489974.1	3617342	NonCancer	2.81E-04	9.54E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.54E-07	0.00E+00	9.54E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.81E-04
876	ALL	489952.4	3617348	NonCancer	2.46E-04	8.37E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.37E-07	0.00E+00	8.37E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.46E-04
877	ALL	489930.8	3617355	NonCancer	2.40E-04	8.16E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.16E-07	0.00E+00	8.16E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04
878	ALL	489909.2	3617361	NonCancer	2.52E-04	8.57E-07	1.59E-04	0.00E+00	0.00E+00	1.59E-04	8.57E-07	0.00E+00	8.57E-07	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	2.52E-04
879	ALL	489887.6	3617367	NonCancer	2.47E-04	8.41E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.41E-07	0.00E+00	8.41E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.47E-04
880	ALL	489866	3617374	NonCancer	2.36E-04	8.03E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.03E-07	0.00E+00	8.03E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.36E-04
881	ALL	489844.3	3617380	NonCancer	2.91E-04	9.90E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.90E-07	0.00E+00	9.90E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.91E-04
882	ALL	489822.7	3617386	NonCancer	3.24E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.24E-04
883	ALL	489801.1	3617392	NonCancer	2.91E-04	9.89E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.89E-07	0.00E+00	9.89E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.91E-04

884	ALL	489779.5	3617399	NonCancer	3.14E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.14E-04
885	ALL	489757.8	3617405	NonCancer	3.34E-04	1.14E-06	2.10E-04	0.00E+00	0.00E+00	2.10E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	3.34E-04
886	ALL	489736.2	3617411	NonCancer	6.83E-04	2.32E-06	4.30E-04	0.00E+00	0.00E+00	4.30E-04	2.32E-06	0.00E+00	2.32E-06	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	6.83E-04
887	ALL	489714.6	3617418	NonCancer	8.23E-04	2.80E-06	5.18E-04	0.00E+00	0.00E+00	5.18E-04	2.80E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	8.23E-04
888	ALL	489693	3617424	NonCancer	9.00E-04	3.06E-06	5.67E-04	0.00E+00	0.00E+00	5.67E-04	3.06E-06	0.00E+00	3.06E-06	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	9.00E-04
889	ALL	489671.3	3617430	NonCancer	9.48E-04	3.22E-06	5.97E-04	0.00E+00	0.00E+00	5.97E-04	3.22E-06	0.00E+00	3.22E-06	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	9.48E-04
890	ALL	489649.7	3617437	NonCancer	9.34E-04	3.18E-06	5.88E-04	0.00E+00	0.00E+00	5.88E-04	3.18E-06	0.00E+00	3.18E-06	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00	9.34E-04
891	ALL	489628.1	3617443	NonCancer	8.92E-04	3.03E-06	5.62E-04	0.00E+00	0.00E+00	5.62E-04	3.03E-06	0.00E+00	3.03E-06	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	8.92E-04
892	ALL	489606.5	3617449	NonCancer	8.32E-04	2.83E-06	5.24E-04	0.00E+00	0.00E+00	5.24E-04	2.83E-06	0.00E+00	2.83E-06	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	8.32E-04
893	ALL	489584.9	3617455	NonCancer	7.83E-04	2.66E-06	4.93E-04	0.00E+00	0.00E+00	4.93E-04	2.66E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	7.83E-04
894	ALL	489563.2	3617462	NonCancer	7.89E-04	2.68E-06	4.97E-04	0.00E+00	0.00E+00	4.97E-04	2.68E-06	0.00E+00	2.68E-06	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	7.89E-04
895	ALL	489541.6	3617468	NonCancer	7.64E-04	2.60E-06	4.81E-04	0.00E+00	0.00E+00	4.81E-04	2.60E-06	0.00E+00	2.60E-06	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	7.64E-04
896	ALL	489498.4	3617481	NonCancer	6.36E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.36E-04
897	ALL	489476.7	3617487	NonCancer	5.68E-04	1.93E-06	3.58E-04	0.00E+00	0.00E+00	3.58E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	5.68E-04
898	ALL	489455.1	3617493	NonCancer	6.35E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.35E-04
899	ALL	489433.5	3617500	NonCancer	6.94E-04	2.36E-06	4.37E-04	0.00E+00	0.00E+00	4.37E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	6.94E-04
900	ALL	489411.9	3617506	NonCancer	7.47E-04	2.54E-06	4.70E-04	0.00E+00	0.00E+00	4.70E-04	2.54E-06	0.00E+00	2.54E-06	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	7.47E-04
901	ALL	489390.3	3617512	NonCancer	7.73E-04	2.63E-06	4.87E-04	0.00E+00	0.00E+00	4.87E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	7.73E-04
902	ALL	489368.6	3617518	NonCancer	7.78E-04	2.65E-06	4.90E-04	0.00E+00	0.00E+00	4.90E-04	2.65E-06	0.00E+00	2.65E-06	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	7.78E-04
903	ALL	489347	3617525	NonCancer	7.87E-04	2.68E-06	4.96E-04	0.00E+00	0.00E+00	4.96E-04	2.68E-06	0.00E+00	2.68E-06	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	7.87E-04
904	ALL	489325.4	3617531	NonCancer	7.84E-04	2.67E-06	4.94E-04	0.00E+00	0.00E+00	4.94E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	7.84E-04
905	ALL	489303.8	3617537	NonCancer	7.60E-04	2.58E-06	4.78E-04	0.00E+00	0.00E+00	4.78E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	7.60E-04
906	ALL	489282.1	3617544	NonCancer	7.39E-04	2.51E-06	4.65E-04	0.00E+00	0.00E+00	4.65E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	7.39E-04
907	ALL	489260.5	3617550	NonCancer	7.38E-04	2.51E-06	4.65E-04	0.00E+00	0.00E+00	4.65E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	7.38E-04
908	ALL	489238.9	3617556	NonCancer	7.96E-04	2.71E-06	5.01E-04	0.00E+00	0.00E+00	5.01E-04	2.71E-06	0.00E+00	2.71E-06	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	7.96E-04
909	ALL	489195.6	3617569	NonCancer	8.07E-04	2.74E-06	5.08E-04	0.00E+00	0.00E+00	5.08E-04	2.74E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	8.07E-04
910	ALL	489174	3617575	NonCancer	8.03E-04	2.73E-06	5.06E-04	0.00E+00	0.00E+00	5.06E-04	2.73E-06	0.00E+00	2.73E-06	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	8.03E-04
911	ALL	489152.4	3617581	NonCancer	7.71E-04	2.62E-06	4.86E-04	0.00E+00	0.00E+00	4.86E-04	2.62E-06	0.00E+00	2.62E-06	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	7.71E-04
912	ALL	489130.8	3617588	NonCancer	7.60E-04	2.58E-06	4.78E-04	0.00E+00	0.00E+00	4.78E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	7.60E-04
913	ALL	489109.2	3617594	NonCancer	7.35E-04	2.50E-06	4.62E-04	0.00E+00	0.00E+00	4.62E-04	2.50E-06	0.00E+00	2.50E-06	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	7.35E-04
914	ALL	489087.5	3617600	NonCancer	6.93E-04	2.36E-06	4.36E-04	0.00E+00	0.00E+00	4.36E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	6.93E-04
915	ALL	489065.9	3617607	NonCancer	6.49E-04	2.21E-06	4.09E-04	0.00E+00	0.00E+00	4.09E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	6.49E-04
916	ALL	489044.3	3617613	NonCancer	6.38E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.38E-04
917	ALL	489022.7	3617619	NonCancer	6.40E-04	2.17E-06	4.03E-04	0.00E+00	0.00E+00	4.03E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	6.40E-04
918	ALL	489001	3617626	NonCancer	6.62E-04	2.25E-06	4.17E-04	0.00E+00	0.00E+00	4.17E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	6.62E-04
919	ALL	488979.4	3617632	NonCancer	6.66E-04	2.26E-06	4.19E-04	0.00E+00	0.00E+00	4.19E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	6.66E-04
920	ALL	488957.8	3617638	NonCancer	6.53E-04	2.22E-06	4.11E-04	0.00E+00	0.00E+00	4.11E-04	2.22E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	6.53E-04
921	ALL	488936.2	3617644	NonCancer	6.47E-04	2.20E-06	4.07E-04	0.00E+00	0.00E+00	4.07E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	6.47E-04
922	ALL	488892.9	3617657	NonCancer	6.98E-04	2.37E-06	4.39E-04	0.00E+00	0.00E+00	4.39E-04	2.37E-06	0.00E+00	2.37E-06	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	6.98E-04
923	ALL	488871.3	3617663	NonCancer	7.10E-04	2.41E-06	4.47E-04	0.00E+00	0.00E+00	4.47E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	7.10E-04
924	ALL	488849.7	3617670	NonCancer	7.15E-04	2.43E-06	4.50E-04	0.00E+00	0.00E+00	4.50E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	7.15E-04
925	ALL	488828.1	3617676	NonCancer	7.24E-04	2.46E-06	4.56E-04	0.00E+00	0.00E+00	4.56E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	7.24E-04
926	ALL	488806.4	3617682	NonCancer	7.10E-04	2.41E-06	4.47E-04	0.00E+00	0.00E+00	4.47E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	7.10E-04
927	ALL	492526.2	3614698	NonCancer	1.20E-04	4.07E-07	7.54E-05	0.00E+00	0.00E+00	7.54E-05	4.07E-07	0.00E+00	4.07E-07	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	1.20E-04
928	ALL	492528.8	3614676	NonCancer	1.19E-04	4.06E-07	7.52E-05	0.00E+00	0.00E+00	7.52E-05	4.06E-07	0.00E+00	4.06E-07	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	1.19E-04
929	ALL	492912.7	3614764	NonCancer	1.80E-04	6.13E-07	1.14E-04	0.00E+00	0.00E+00	1.14E-04	6.13E-07	0.00E+00	6.13E-07	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	1.80E-04
930	ALL	492901.9	3614783	NonCancer	1.85E-04	6.28E-07	1.16E-04	0.00E+00	0.00E+00	1.16E-04	6.28E-07	0.00E+00	6.28E-07	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.85E-04
931	ALL	492880.1	3614823	NonCancer	2.07E-04	7.05E-07	1.31E-04	0.00E+00	0.00E+00	1.31E-04	7.05E-07	0.00E+00	7.05E-07	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	2.07E-04
932	ALL	492858.4	3614862	NonCancer	2.58E-04	8.76E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.76E-07	0.00E+00	8.76E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.58E-04
933	ALL	492836.6	3614901	NonCancer	2.62E-04	8.90E-07	1.65E-04	0.00E+00	0.00E+00	1.65E-04	8.90E-07	0.00E+00	8.90E-07	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	2.62E-04
934	ALL	492814.9	3614940	NonCancer	2.84E-04	9.64E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.64E-07	0.00E+00	9.64E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.84E-04
935	ALL	492793.1	3614980	NonCancer	3.40E-04	1.16E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.40E-04

936	ALL	492771.4	3615019	NonCancer	3.56E-04	1.21E-06	2.24E-04	0.00E+00	0.00E+00	2.24E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.56E-04
937	ALL	492760.5	3615039	NonCancer	3.42E-04	1.16E-06	2.16E-04	0.00E+00	0.00E+00	2.16E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	3.42E-04
938	ALL	492738.8	3615078	NonCancer	3.06E-04	1.04E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.06E-04
939	ALL	492717	3615117	NonCancer	2.54E-04	8.63E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.63E-07	0.00E+00	8.63E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.54E-04
940	ALL	492695.3	3615156	NonCancer	2.35E-04	7.97E-07	1.48E-04	0.00E+00	0.00E+00	1.48E-04	7.97E-07	0.00E+00	7.97E-07	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	2.35E-04
941	ALL	492673.6	3615196	NonCancer	1.98E-04	6.74E-07	1.25E-04	0.00E+00	0.00E+00	1.25E-04	6.74E-07	0.00E+00	6.74E-07	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	1.98E-04
942	ALL	492651.8	3615235	NonCancer	1.77E-04	6.03E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.03E-07	0.00E+00	6.03E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.77E-04
943	ALL	492630.1	3615274	NonCancer	2.41E-04	8.21E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.21E-07	0.00E+00	8.21E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.41E-04
944	ALL	492608.3	3615313	NonCancer	3.38E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.38E-04
945	ALL	492586.6	3615353	NonCancer	4.40E-04	1.50E-06	2.77E-04	0.00E+00	0.00E+00	2.77E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	4.40E-04
946	ALL	492564.8	3615392	NonCancer	5.41E-04	1.84E-06	3.40E-04	0.00E+00	0.00E+00	3.40E-04	1.84E-06	0.00E+00	1.84E-06	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	5.41E-04
947	ALL	492543.1	3615431	NonCancer	5.56E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.56E-04
948	ALL	492521.4	3615471	NonCancer	4.81E-04	1.64E-06	3.03E-04	0.00E+00	0.00E+00	3.03E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	4.81E-04
949	ALL	492510.5	3615490	NonCancer	4.32E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.32E-04
950	ALL	492488.7	3615529	NonCancer	3.58E-04	1.22E-06	2.25E-04	0.00E+00	0.00E+00	2.25E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	3.58E-04
951	ALL	492467	3615569	NonCancer	3.32E-04	1.13E-06	2.09E-04	0.00E+00	0.00E+00	2.09E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.32E-04
952	ALL	492445.3	3615608	NonCancer	2.97E-04	1.01E-06	1.87E-04	0.00E+00	0.00E+00	1.87E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	2.97E-04
953	ALL	492423.5	3615647	NonCancer	3.04E-04	1.03E-06	1.91E-04	0.00E+00	0.00E+00	1.91E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	3.04E-04
954	ALL	492401.8	3615686	NonCancer	4.04E-04	1.37E-06	2.54E-04	0.00E+00	0.00E+00	2.54E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	4.04E-04
955	ALL	492380	3615726	NonCancer	3.73E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.73E-04
956	ALL	492358.3	3615765	NonCancer	3.04E-04	1.03E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.04E-04
957	ALL	492336.5	3615804	NonCancer	2.23E-04	7.58E-07	1.40E-04	0.00E+00	0.00E+00	1.40E-04	7.58E-07	0.00E+00	7.58E-07	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	2.23E-04
958	ALL	492314.8	3615843	NonCancer	2.38E-04	8.10E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04	8.10E-07	0.00E+00	8.10E-07	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	2.38E-04
959	ALL	492293	3615883	NonCancer	2.53E-04	8.60E-07	1.59E-04	0.00E+00	0.00E+00	1.59E-04	8.60E-07	0.00E+00	8.60E-07	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	2.53E-04
960	ALL	492271.3	3615922	NonCancer	5.92E-04	2.01E-06	3.73E-04	0.00E+00	0.00E+00	3.73E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	5.92E-04
961	ALL	492260.4	3615942	NonCancer	5.82E-04	1.98E-06	3.66E-04	0.00E+00	0.00E+00	3.66E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	5.82E-04
962	ALL	492238.7	3615981	NonCancer	5.01E-04	1.70E-06	3.16E-04	0.00E+00	0.00E+00	3.16E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	5.01E-04
963	ALL	492216.9	3616020	NonCancer	5.32E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.32E-04
964	ALL	492195.2	3616059	NonCancer	4.97E-04	1.69E-06	3.13E-04	0.00E+00	0.00E+00	3.13E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	4.97E-04
965	ALL	492173.5	3616099	NonCancer	4.28E-04	1.45E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.28E-04
966	ALL	492151.7	3616138	NonCancer	4.53E-04	1.54E-06	2.85E-04	0.00E+00	0.00E+00	2.85E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	4.53E-04
967	ALL	492130	3616177	NonCancer	4.27E-04	1.45E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.27E-04
968	ALL	492108.2	3616216	NonCancer	3.87E-04	1.32E-06	2.44E-04	0.00E+00	0.00E+00	2.44E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	3.87E-04
969	ALL	492086.5	3616256	NonCancer	3.15E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.15E-04
970	ALL	492064.7	3616295	NonCancer	2.85E-04	9.69E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.69E-07	0.00E+00	9.69E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.85E-04
971	ALL	492043	3616334	NonCancer	2.34E-04	7.95E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.95E-07	0.00E+00	7.95E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.34E-04
972	ALL	492021.3	3616374	NonCancer	2.54E-04	8.64E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.64E-07	0.00E+00	8.64E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.54E-04
973	ALL	492010.4	3616393	NonCancer	2.83E-04	9.62E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.62E-07	0.00E+00	9.62E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.83E-04
974	ALL	491988.6	3616432	NonCancer	3.53E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.53E-04
975	ALL	491966.9	3616472	NonCancer	3.88E-04	1.32E-06	2.44E-04	0.00E+00	0.00E+00	2.44E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	3.88E-04
976	ALL	491945.2	3616511	NonCancer	5.08E-04	1.73E-06	3.20E-04	0.00E+00	0.00E+00	3.20E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	5.08E-04
977	ALL	491923.4	3616550	NonCancer	4.65E-04	1.58E-06	2.93E-04	0.00E+00	0.00E+00	2.93E-04	1.58E-06	0.00E+00	1.58E-06	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	4.65E-04
978	ALL	491901.7	3616589	NonCancer	4.07E-04	1.38E-06	2.56E-04	0.00E+00	0.00E+00	2.56E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	4.07E-04
979	ALL	491879.9	3616629	NonCancer	4.07E-04	1.38E-06	2.56E-04	0.00E+00	0.00E+00	2.56E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	4.07E-04
980	ALL	491858.2	3616668	NonCancer	4.18E-04	1.42E-06	2.63E-04	0.00E+00	0.00E+00	2.63E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	4.18E-04
981	ALL	491836.4	3616707	NonCancer	4.15E-04	1.41E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.15E-04
982	ALL	491814.7	3616746	NonCancer	4.14E-04	1.41E-06	2.61E-04	0.00E+00	0.00E+00	2.61E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	4.14E-04
983	ALL	491793	3616786	NonCancer	2.99E-04	1.02E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.99E-04
984	ALL	491771.2	3616825	NonCancer	3.07E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.07E-04
985	ALL	491760.3	3616845	NonCancer	3.04E-04	1.03E-06	1.91E-04	0.00E+00	0.00E+00	1.91E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	3.04E-04
986	ALL	491738.6	3616884	NonCancer	3.13E-04	1.06E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.13E-04
987	ALL	491716.9	3616923	NonCancer	2.89E-04	9.83E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.83E-07	0.00E+00	9.83E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.89E-04

988	ALL	491695.1	3616962	NonCancer	2.42E-04	8.22E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.22E-07	0.00E+00	8.22E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.42E-04
989	ALL	491673.4	3617002	NonCancer	2.18E-04	7.41E-07	1.37E-04	0.00E+00	0.00E+00	1.37E-04	7.41E-07	0.00E+00	7.41E-07	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	2.18E-04
990	ALL	491651.6	3617041	NonCancer	2.53E-04	8.59E-07	1.59E-04	0.00E+00	0.00E+00	1.59E-04	8.59E-07	0.00E+00	8.59E-07	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	2.53E-04
991	ALL	491629.9	3617080	NonCancer	3.61E-04	1.23E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.61E-04
992	ALL	491608.1	3617119	NonCancer	5.14E-04	1.75E-06	3.24E-04	0.00E+00	0.00E+00	3.24E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	5.14E-04
993	ALL	491586.4	3617159	NonCancer	4.84E-04	1.65E-06	3.05E-04	0.00E+00	0.00E+00	3.05E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	4.84E-04
994	ALL	491564.7	3617198	NonCancer	5.01E-04	1.70E-06	3.15E-04	0.00E+00	0.00E+00	3.15E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	5.01E-04
995	ALL	491542.9	3617237	NonCancer	4.80E-04	1.63E-06	3.02E-04	0.00E+00	0.00E+00	3.02E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	4.80E-04
996	ALL	491499.6	3617283	NonCancer	3.60E-04	1.22E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.60E-04
997	ALL	491456.5	3617295	NonCancer	4.08E-04	1.39E-06	2.57E-04	0.00E+00	0.00E+00	2.57E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	4.08E-04
998	ALL	491413.4	3617308	NonCancer	3.43E-04	1.17E-06	2.16E-04	0.00E+00	0.00E+00	2.16E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	3.43E-04
999	ALL	491370.4	3617320	NonCancer	2.92E-04	9.93E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.93E-07	0.00E+00	9.93E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.92E-04
1000	ALL	491327.3	3617333	NonCancer	3.96E-04	1.35E-06	2.50E-04	0.00E+00	0.00E+00	2.50E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	3.96E-04
1001	ALL	491284.2	3617346	NonCancer	4.95E-04	1.68E-06	3.12E-04	0.00E+00	0.00E+00	3.12E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	4.95E-04
1002	ALL	491241.1	3617358	NonCancer	6.09E-04	2.07E-06	3.83E-04	0.00E+00	0.00E+00	3.83E-04	2.07E-06	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	6.09E-04
1003	ALL	491198	3617371	NonCancer	6.61E-04	2.25E-06	4.16E-04	0.00E+00	0.00E+00	4.16E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	6.61E-04
1004	ALL	491154.9	3617383	NonCancer	5.18E-04	1.76E-06	3.26E-04	0.00E+00	0.00E+00	3.26E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	5.18E-04
1005	ALL	491111.8	3617396	NonCancer	4.90E-04	1.67E-06	3.08E-04	0.00E+00	0.00E+00	3.08E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	4.90E-04
1006	ALL	491068.7	3617408	NonCancer	4.71E-04	1.60E-06	2.96E-04	0.00E+00	0.00E+00	2.96E-04	1.60E-06	0.00E+00	1.60E-06	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	4.71E-04
1007	ALL	491025.7	3617421	NonCancer	6.07E-04	2.06E-06	3.82E-04	0.00E+00	0.00E+00	3.82E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	6.07E-04
1008	ALL	491004.1	3617427	NonCancer	6.00E-04	2.04E-06	3.78E-04	0.00E+00	0.00E+00	3.78E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	6.00E-04
1009	ALL	490961	3617440	NonCancer	5.63E-04	1.91E-06	3.54E-04	0.00E+00	0.00E+00	3.54E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	5.63E-04
1010	ALL	490917.9	3617452	NonCancer	5.60E-04	1.90E-06	3.52E-04	0.00E+00	0.00E+00	3.52E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	5.60E-04
1011	ALL	490874.9	3617465	NonCancer	5.00E-04	1.70E-06	3.15E-04	0.00E+00	0.00E+00	3.15E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	5.00E-04
1012	ALL	490831.8	3617477	NonCancer	5.36E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.36E-04
1013	ALL	490788.7	3617490	NonCancer	5.69E-04	1.94E-06	3.59E-04	0.00E+00	0.00E+00	3.59E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	5.69E-04
1014	ALL	490745.6	3617502	NonCancer	5.90E-04	2.01E-06	3.71E-04	0.00E+00	0.00E+00	3.71E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	5.90E-04
1015	ALL	490702.5	3617515	NonCancer	6.50E-04	2.21E-06	4.09E-04	0.00E+00	0.00E+00	4.09E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	6.50E-04
1016	ALL	490659.4	3617528	NonCancer	6.76E-04	2.30E-06	4.25E-04	0.00E+00	0.00E+00	4.25E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	6.76E-04
1017	ALL	490616.3	3617540	NonCancer	6.07E-04	2.06E-06	3.82E-04	0.00E+00	0.00E+00	3.82E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	6.07E-04
1018	ALL	490573.2	3617553	NonCancer	6.39E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.39E-04
1019	ALL	490530.1	3617565	NonCancer	7.30E-04	2.48E-06	4.60E-04	0.00E+00	0.00E+00	4.60E-04	2.48E-06	0.00E+00	2.48E-06	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	7.30E-04
1020	ALL	490487.1	3617578	NonCancer	7.53E-04	2.56E-06	4.74E-04	0.00E+00	0.00E+00	4.74E-04	2.56E-06	0.00E+00	2.56E-06	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	7.53E-04
1021	ALL	490444	3617590	NonCancer	6.89E-04	2.34E-06	4.34E-04	0.00E+00	0.00E+00	4.34E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	6.89E-04
1022	ALL	490400.9	3617603	NonCancer	5.73E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.73E-04
1023	ALL	490357.8	3617615	NonCancer	6.56E-04	2.23E-06	4.13E-04	0.00E+00	0.00E+00	4.13E-04	2.23E-06	0.00E+00	2.23E-06	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	6.56E-04
1024	ALL	490314.7	3617628	NonCancer	7.38E-04	2.51E-06	4.65E-04	0.00E+00	0.00E+00	4.65E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	7.38E-04
1025	ALL	490271.6	3617641	NonCancer	6.85E-04	2.33E-06	4.31E-04	0.00E+00	0.00E+00	4.31E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	6.85E-04
1026	ALL	490228.5	3617653	NonCancer	5.83E-04	1.98E-06	3.67E-04	0.00E+00	0.00E+00	3.67E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	5.83E-04
1027	ALL	490185.4	3617666	NonCancer	4.11E-04	1.40E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.11E-04
1028	ALL	490142.4	3617678	NonCancer	4.64E-04	1.58E-06	2.92E-04	0.00E+00	0.00E+00	2.92E-04	1.58E-06	0.00E+00	1.58E-06	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	4.64E-04
1029	ALL	490099.3	3617691	NonCancer	4.51E-04	1.53E-06	2.84E-04	0.00E+00	0.00E+00	2.84E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	4.51E-04
1030	ALL	490056.2	3617703	NonCancer	5.78E-04	1.97E-06	3.64E-04	0.00E+00	0.00E+00	3.64E-04	1.97E-06	0.00E+00	1.97E-06	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	5.78E-04
1031	ALL	490034.6	3617710	NonCancer	6.10E-04	2.07E-06	3.84E-04	0.00E+00	0.00E+00	3.84E-04	2.07E-06	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	6.10E-04
1032	ALL	489991.6	3617722	NonCancer	5.84E-04	1.98E-06	3.68E-04	0.00E+00	0.00E+00	3.68E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	5.84E-04
1033	ALL	489948.5	3617735	NonCancer	7.29E-04	2.48E-06	4.59E-04	0.00E+00	0.00E+00	4.59E-04	2.48E-06	0.00E+00	2.48E-06	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	7.29E-04
1034	ALL	489905.4	3617747	NonCancer	7.14E-04	2.43E-06	4.50E-04	0.00E+00	0.00E+00	4.50E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	7.14E-04
1035	ALL	489862.3	3617760	NonCancer	6.08E-04	2.07E-06	3.83E-04	0.00E+00	0.00E+00	3.83E-04	2.07E-06	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	6.08E-04
1036	ALL	489819.2	3617772	NonCancer	6.15E-04	2.09E-06	3.87E-04	0.00E+00	0.00E+00	3.87E-04	2.09E-06	0.00E+00	2.09E-06	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	6.15E-04
1037	ALL	489776.1	3617785	NonCancer	6.57E-04	2.23E-06	4.14E-04	0.00E+00	0.00E+00	4.14E-04	2.23E-06	0.00E+00	2.23E-06	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	6.57E-04
1038	ALL	489733	3617798	NonCancer	6.62E-04	2.25E-06	4.17E-04	0.00E+00	0.00E+00	4.17E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	6.62E-04
1039	ALL	489689.9	3617810	NonCancer	5.87E-04	2.00E-06	3.70E-04	0.00E+00	0.00E+00	3.70E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	5.87E-04

1040	ALL	489646.8	3617823	NonCancer	5.29E-04	1.80E-06	3.33E-04	0.00E+00	0.00E+00	3.33E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	5.29E-04
1041	ALL	489603.8	3617835	NonCancer	5.64E-04	1.92E-06	3.55E-04	0.00E+00	0.00E+00	3.55E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	5.64E-04
1042	ALL	489560.7	3617848	NonCancer	5.38E-04	1.83E-06	3.39E-04	0.00E+00	0.00E+00	3.39E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	5.38E-04
1043	ALL	489517.6	3617860	NonCancer	4.24E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.24E-04
1044	ALL	489474.5	3617873	NonCancer	4.78E-04	1.62E-06	3.01E-04	0.00E+00	0.00E+00	3.01E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	4.78E-04
1045	ALL	489431.4	3617885	NonCancer	5.13E-04	1.74E-06	3.23E-04	0.00E+00	0.00E+00	3.23E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	5.13E-04
1046	ALL	489388.3	3617898	NonCancer	5.21E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.21E-04
1047	ALL	489345.2	3617911	NonCancer	5.56E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.56E-04
1048	ALL	489302.1	3617923	NonCancer	5.80E-04	1.97E-06	3.65E-04	0.00E+00	0.00E+00	3.65E-04	1.97E-06	0.00E+00	1.97E-06	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	5.80E-04
1049	ALL	489259.1	3617936	NonCancer	6.24E-04	2.12E-06	3.93E-04	0.00E+00	0.00E+00	3.93E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	6.24E-04
1050	ALL	489237.5	3617942	NonCancer	6.80E-04	2.31E-06	4.28E-04	0.00E+00	0.00E+00	4.28E-04	2.31E-06	0.00E+00	2.31E-06	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	6.80E-04
1051	ALL	489194.4	3617954	NonCancer	7.77E-04	2.64E-06	4.89E-04	0.00E+00	0.00E+00	4.89E-04	2.64E-06	0.00E+00	2.64E-06	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	7.77E-04
1052	ALL	489151.3	3617967	NonCancer	8.25E-04	2.80E-06	5.19E-04	0.00E+00	0.00E+00	5.19E-04	2.80E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	8.25E-04
1053	ALL	489108.3	3617980	NonCancer	7.72E-04	2.62E-06	4.86E-04	0.00E+00	0.00E+00	4.86E-04	2.62E-06	0.00E+00	2.62E-06	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	7.72E-04
1054	ALL	489065.2	3617992	NonCancer	6.24E-04	2.12E-06	3.93E-04	0.00E+00	0.00E+00	3.93E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	6.24E-04
1055	ALL	489022.1	3618005	NonCancer	5.05E-04	1.72E-06	3.18E-04	0.00E+00	0.00E+00	3.18E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	5.05E-04
1056	ALL	488979	3618017	NonCancer	5.29E-04	1.80E-06	3.33E-04	0.00E+00	0.00E+00	3.33E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	5.29E-04
1057	ALL	488935.9	3618030	NonCancer	5.61E-04	1.91E-06	3.53E-04	0.00E+00	0.00E+00	3.53E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	5.61E-04
1058	ALL	488892.8	3618042	NonCancer	5.64E-04	1.92E-06	3.55E-04	0.00E+00	0.00E+00	3.55E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	5.64E-04
1059	ALL	488849.7	3618055	NonCancer	6.27E-04	2.13E-06	3.95E-04	0.00E+00	0.00E+00	3.95E-04	2.13E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	6.27E-04
1060	ALL	488806.6	3618067	NonCancer	6.49E-04	2.21E-06	4.09E-04	0.00E+00	0.00E+00	4.09E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	6.49E-04
1061	ALL	488763.6	3618080	NonCancer	5.63E-04	1.91E-06	3.55E-04	0.00E+00	0.00E+00	3.55E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	5.63E-04
1062	ALL	492926.2	3614722	NonCancer	1.68E-04	5.72E-07	1.06E-04	0.00E+00	0.00E+00	1.06E-04	5.72E-07	0.00E+00	5.72E-07	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.68E-04
1063	ALL	489149	3614311	NonCancer	3.78E-02	1.29E-04	2.38E-02	0.00E+00	0.00E+00	2.38E-02	1.29E-04	0.00E+00	1.29E-04	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	3.78E-02
1064	ALL	489146.8	3614335	NonCancer	2.30E-02	7.83E-05	1.45E-02	0.00E+00	0.00E+00	1.45E-02	7.83E-05	0.00E+00	7.83E-05	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.30E-02
1065	ALL	489133.2	3614485	NonCancer	7.25E-03	2.47E-05	4.57E-03	0.00E+00	0.00E+00	4.57E-03	2.47E-05	0.00E+00	2.47E-05	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00	7.25E-03
1066	ALL	489128.7	3614535	NonCancer	5.70E-03	1.94E-05	3.59E-03	0.00E+00	0.00E+00	3.59E-03	1.94E-05	0.00E+00	1.94E-05	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	5.70E-03
1067	ALL	489124.2	3614584	NonCancer	4.62E-03	1.57E-05	2.91E-03	0.00E+00	0.00E+00	2.91E-03	1.57E-05	0.00E+00	1.57E-05	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	4.62E-03
1068	ALL	489106.2	3614784	NonCancer	2.49E-03	8.46E-06	1.57E-03	0.00E+00	0.00E+00	1.57E-03	8.46E-06	0.00E+00	8.46E-06	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.49E-03
1069	ALL	489097.1	3614883	NonCancer	1.97E-03	6.71E-06	1.24E-03	0.00E+00	0.00E+00	1.24E-03	6.71E-06	0.00E+00	6.71E-06	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	1.97E-03
1070	ALL	489039.1	3615681	NonCancer	6.62E-04	2.25E-06	4.17E-04	0.00E+00	0.00E+00	4.17E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	6.62E-04
1071	ALL	489191.5	3614355	NonCancer	1.65E-02	5.62E-05	1.04E-02	0.00E+00	0.00E+00	1.04E-02	5.62E-05	0.00E+00	5.62E-05	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.65E-02
1072	ALL	489273.9	3614455	NonCancer	5.34E-03	1.82E-05	3.36E-03	0.00E+00	0.00E+00	3.36E-03	1.82E-05	0.00E+00	1.82E-05	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	5.34E-03
1073	ALL	489144.1	3614877	NonCancer	2.02E-03	6.88E-06	1.27E-03	0.00E+00	0.00E+00	1.27E-03	6.88E-06	0.00E+00	6.88E-06	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.02E-03
1074	ALL	489499.1	3614899	NonCancer	1.08E-03	3.66E-06	6.77E-04	0.00E+00	0.00E+00	6.77E-04	3.66E-06	0.00E+00	3.66E-06	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	1.08E-03
1075	ALL	489466	3614906	NonCancer	1.13E-03	3.85E-06	7.13E-04	0.00E+00	0.00E+00	7.13E-04	3.85E-06	0.00E+00	3.85E-06	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	1.13E-03
1076	ALL	489157.4	3614972	NonCancer	1.51E-03	5.14E-06	9.52E-04	0.00E+00	0.00E+00	9.52E-04	5.14E-06	0.00E+00	5.14E-06	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	1.51E-03
1077	ALL	489113.3	3614982	NonCancer	1.72E-03	5.85E-06	1.08E-03	0.00E+00	0.00E+00	1.08E-03	5.85E-06	0.00E+00	5.85E-06	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.72E-03
1078	ALL	489548.2	3614986	NonCancer	8.82E-04	3.00E-06	5.55E-04	0.00E+00	0.00E+00	5.55E-04	3.00E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	8.82E-04
1079	ALL	489526	3614990	NonCancer	9.38E-04	3.19E-06	5.90E-04	0.00E+00	0.00E+00	5.90E-04	3.19E-06	0.00E+00	3.19E-06	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00	9.38E-04
1080	ALL	489492.8	3614998	NonCancer	9.28E-04	3.15E-06	5.84E-04	0.00E+00	0.00E+00	5.84E-04	3.15E-06	0.00E+00	3.15E-06	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	9.28E-04
1081	ALL	489448.4	3615007	NonCancer	7.91E-04	2.69E-06	4.98E-04	0.00E+00	0.00E+00	4.98E-04	2.69E-06	0.00E+00	2.69E-06	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	7.91E-04
1082	ALL	489569.3	3614978	NonCancer	3.51E-03	1.19E-05	2.21E-03	0.00E+00	0.00E+00	2.21E-03	1.19E-05	0.00E+00	1.19E-05	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	3.51E-03
1083	ALL	489646.8	3615160	NonCancer	2.40E-03	8.17E-06	1.51E-03	0.00E+00	0.00E+00	1.51E-03	8.17E-06	0.00E+00	8.17E-06	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.40E-03
1084	ALL	489613.8	3615167	NonCancer	6.83E-04	2.32E-06	4.30E-04	0.00E+00	0.00E+00	4.30E-04	2.32E-06	0.00E+00	2.32E-06	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	6.83E-04
1085	ALL	489580.8	3615174	NonCancer	6.94E-04	2.36E-06	4.37E-04	0.00E+00	0.00E+00	4.37E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	6.94E-04
1086	ALL	489558.9	3615179	NonCancer	6.64E-04	2.26E-06	4.18E-04	0.00E+00	0.00E+00	4.18E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	6.64E-04
1087	ALL	489525.9	3615186	NonCancer	5.96E-04	2.03E-06	3.75E-04	0.00E+00	0.00E+00	3.75E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	5.96E-04
1088	ALL	489481.9	3615195	NonCancer	5.20E-04	1.77E-06	3.27E-04	0.00E+00	0.00E+00	3.27E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	5.20E-04
1089	ALL	489438	3615205	NonCancer	6.45E-04	2.19E-06	4.06E-04	0.00E+00	0.00E+00	4.06E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	6.45E-04
1090	ALL	489394	3615214	NonCancer	7.85E-04	2.67E-06	4.95E-04	0.00E+00	0.00E+00	4.95E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	7.85E-04
1091	ALL	489745.1	3615334	NonCancer	2.00E-03	6.81E-06	1.26E-03	0.00E+00	0.00E+00	1.26E-03	6.81E-06	0.00E+00	6.81E-06	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.00E-03

1092	ALL	489722.9	3615339	NonCancer	1.58E-03	5.38E-06	9.96E-04	0.00E+00	0.00E+00	9.96E-04	5.38E-06	0.00E+00	5.38E-06	0.00E+00	0.00E+00	9.96E-04	0.00E+00	0.00E+00	1.58E-03
1093	ALL	489700.8	3615343	NonCancer	5.33E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.33E-04
1094	ALL	489678.6	3615348	NonCancer	5.43E-04	1.85E-06	3.42E-04	0.00E+00	0.00E+00	3.42E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	5.43E-04
1095	ALL	489656.4	3615353	NonCancer	5.36E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.36E-04
1096	ALL	489634.2	3615358	NonCancer	5.12E-04	1.74E-06	3.22E-04	0.00E+00	0.00E+00	3.22E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.12E-04
1097	ALL	489612	3615363	NonCancer	4.74E-04	1.61E-06	2.98E-04	0.00E+00	0.00E+00	2.98E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	4.74E-04
1098	ALL	489589.8	3615367	NonCancer	4.62E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.62E-04
1099	ALL	489567.6	3615372	NonCancer	4.39E-04	1.49E-06	2.77E-04	0.00E+00	0.00E+00	2.77E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	4.39E-04
1100	ALL	489545.4	3615377	NonCancer	4.05E-04	1.38E-06	2.55E-04	0.00E+00	0.00E+00	2.55E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	4.05E-04
1101	ALL	489523.2	3615382	NonCancer	3.94E-04	1.34E-06	2.48E-04	0.00E+00	0.00E+00	2.48E-04	1.34E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	3.94E-04
1102	ALL	489501	3615386	NonCancer	4.59E-04	1.56E-06	2.89E-04	0.00E+00	0.00E+00	2.89E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	4.59E-04
1103	ALL	489478.8	3615391	NonCancer	5.21E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.21E-04
1104	ALL	489434.5	3615401	NonCancer	6.13E-04	2.08E-06	3.86E-04	0.00E+00	0.00E+00	3.86E-04	2.08E-06	0.00E+00	2.08E-06	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	6.13E-04
1105	ALL	489390.1	3615410	NonCancer	6.44E-04	2.19E-06	4.05E-04	0.00E+00	0.00E+00	4.05E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	6.44E-04
1106	ALL	489345.7	3615420	NonCancer	6.05E-04	2.06E-06	3.81E-04	0.00E+00	0.00E+00	3.81E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	6.05E-04
1107	ALL	489301.3	3615429	NonCancer	5.05E-04	1.72E-06	3.18E-04	0.00E+00	0.00E+00	3.18E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	5.05E-04
1108	ALL	489256.9	3615439	NonCancer	3.78E-04	1.28E-06	2.38E-04	0.00E+00	0.00E+00	2.38E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	3.78E-04
1109	ALL	489766.2	3615326	NonCancer	1.52E-03	5.18E-06	9.59E-04	0.00E+00	0.00E+00	9.59E-04	5.18E-06	0.00E+00	5.18E-06	0.00E+00	0.00E+00	9.59E-04	0.00E+00	0.00E+00	1.52E-03
1110	ALL	489843.7	3615508	NonCancer	1.33E-03	4.53E-06	8.38E-04	0.00E+00	0.00E+00	8.38E-04	4.53E-06	0.00E+00	4.53E-06	0.00E+00	0.00E+00	8.38E-04	0.00E+00	0.00E+00	1.33E-03
1111	ALL	489821.6	3615513	NonCancer	1.20E-03	4.07E-06	7.53E-04	0.00E+00	0.00E+00	7.53E-04	4.07E-06	0.00E+00	4.07E-06	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00	1.20E-03
1112	ALL	489799.6	3615517	NonCancer	1.15E-03	3.92E-06	7.27E-04	0.00E+00	0.00E+00	7.27E-04	3.92E-06	0.00E+00	3.92E-06	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00	1.15E-03
1113	ALL	489777.5	3615522	NonCancer	4.32E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.32E-04
1114	ALL	489755.5	3615527	NonCancer	4.37E-04	1.48E-06	2.75E-04	0.00E+00	0.00E+00	2.75E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	4.37E-04
1115	ALL	489733.5	3615532	NonCancer	4.30E-04	1.46E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.30E-04
1116	ALL	489711.4	3615536	NonCancer	4.12E-04	1.40E-06	2.59E-04	0.00E+00	0.00E+00	2.59E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	4.12E-04
1117	ALL	489689.4	3615541	NonCancer	3.85E-04	1.31E-06	2.42E-04	0.00E+00	0.00E+00	2.42E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	3.85E-04
1118	ALL	489667.3	3615546	NonCancer	3.78E-04	1.29E-06	2.38E-04	0.00E+00	0.00E+00	2.38E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	3.78E-04
1119	ALL	489645.3	3615551	NonCancer	3.65E-04	1.24E-06	2.30E-04	0.00E+00	0.00E+00	2.30E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	3.65E-04
1120	ALL	489623.2	3615555	NonCancer	3.44E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.44E-04
1121	ALL	489601.2	3615560	NonCancer	3.16E-04	1.07E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.16E-04
1122	ALL	489579.2	3615565	NonCancer	3.08E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.08E-04
1123	ALL	489557.1	3615570	NonCancer	3.55E-04	1.21E-06	2.24E-04	0.00E+00	0.00E+00	2.24E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.55E-04
1124	ALL	489535.1	3615574	NonCancer	4.02E-04	1.37E-06	2.53E-04	0.00E+00	0.00E+00	2.53E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	4.02E-04
1125	ALL	489513	3615579	NonCancer	4.44E-04	1.51E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.44E-04
1126	ALL	489491	3615584	NonCancer	4.79E-04	1.63E-06	3.02E-04	0.00E+00	0.00E+00	3.02E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	4.79E-04
1127	ALL	489469	3615589	NonCancer	5.05E-04	1.72E-06	3.18E-04	0.00E+00	0.00E+00	3.18E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	5.05E-04
1128	ALL	489446.9	3615593	NonCancer	5.21E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.21E-04
1129	ALL	489424.9	3615598	NonCancer	5.25E-04	1.78E-06	3.30E-04	0.00E+00	0.00E+00	3.30E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	5.25E-04
1130	ALL	489391.8	3615605	NonCancer	5.07E-04	1.72E-06	3.19E-04	0.00E+00	0.00E+00	3.19E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.07E-04
1131	ALL	489347.7	3615615	NonCancer	4.47E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.47E-04
1132	ALL	489303.6	3615624	NonCancer	3.60E-04	1.22E-06	2.26E-04	0.00E+00	0.00E+00	2.26E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	3.60E-04
1133	ALL	489942	3615682	NonCancer	1.63E-03	5.55E-06	1.03E-03	0.00E+00	0.00E+00	1.03E-03	5.55E-06	0.00E+00	5.55E-06	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.63E-03
1134	ALL	489919.9	3615687	NonCancer	1.43E-03	4.85E-06	8.98E-04	0.00E+00	0.00E+00	8.98E-04	4.85E-06	0.00E+00	4.85E-06	0.00E+00	0.00E+00	8.98E-04	0.00E+00	0.00E+00	1.43E-03
1135	ALL	489897.7	3615692	NonCancer	1.32E-03	4.48E-06	8.29E-04	0.00E+00	0.00E+00	8.29E-04	4.48E-06	0.00E+00	4.48E-06	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	1.32E-03
1136	ALL	489875.5	3615696	NonCancer	1.26E-03	4.29E-06	7.94E-04	0.00E+00	0.00E+00	7.94E-04	4.29E-06	0.00E+00	4.29E-06	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	1.26E-03
1137	ALL	489853.3	3615701	NonCancer	1.21E-03	4.13E-06	7.65E-04	0.00E+00	0.00E+00	7.65E-04	4.13E-06	0.00E+00	4.13E-06	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00	1.21E-03
1138	ALL	489831.1	3615706	NonCancer	1.05E-03	3.57E-06	6.62E-04	0.00E+00	0.00E+00	6.62E-04	3.57E-06	0.00E+00	3.57E-06	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	1.05E-03
1139	ALL	489808.9	3615711	NonCancer	3.52E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.52E-04
1140	ALL	489786.7	3615716	NonCancer	3.38E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.38E-04
1141	ALL	489764.5	3615720	NonCancer	3.18E-04	1.08E-06	2.00E-04	0.00E+00	0.00E+00	2.00E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	3.18E-04
1142	ALL	489742.3	3615725	NonCancer	3.16E-04	1.07E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.16E-04
1143	ALL	489720.1	3615730	NonCancer	3.08E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.08E-04

1144	ALL	489697.9	3615735	NonCancer	2.93E-04	9.96E-07	1.85E-04	0.00E+00	0.00E+00	1.85E-04	9.96E-07	0.00E+00	9.96E-07	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.93E-04
1145	ALL	489675.7	3615739	NonCancer	2.73E-04	9.30E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.30E-07	0.00E+00	9.30E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.73E-04
1146	ALL	489653.5	3615744	NonCancer	2.50E-04	8.50E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.50E-07	0.00E+00	8.50E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.50E-04
1147	ALL	489631.4	3615749	NonCancer	2.54E-04	8.63E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.63E-07	0.00E+00	8.63E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.54E-04
1148	ALL	489609.2	3615754	NonCancer	2.90E-04	9.86E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.86E-07	0.00E+00	9.86E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.90E-04
1149	ALL	489587	3615759	NonCancer	3.26E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.26E-04
1150	ALL	489564.8	3615763	NonCancer	3.59E-04	1.22E-06	2.26E-04	0.00E+00	0.00E+00	2.26E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	3.59E-04
1151	ALL	489542.6	3615768	NonCancer	3.88E-04	1.32E-06	2.44E-04	0.00E+00	0.00E+00	2.44E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	3.88E-04
1152	ALL	489520.4	3615773	NonCancer	4.12E-04	1.40E-06	2.59E-04	0.00E+00	0.00E+00	2.59E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	4.12E-04
1153	ALL	489498.2	3615778	NonCancer	4.27E-04	1.45E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.27E-04
1154	ALL	489476	3615782	NonCancer	4.36E-04	1.48E-06	2.74E-04	0.00E+00	0.00E+00	2.74E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	4.36E-04
1155	ALL	489453.8	3615787	NonCancer	4.36E-04	1.48E-06	2.74E-04	0.00E+00	0.00E+00	2.74E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	4.36E-04
1156	ALL	489431.6	3615792	NonCancer	4.27E-04	1.45E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.27E-04
1157	ALL	489409.4	3615797	NonCancer	4.10E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.10E-04
1158	ALL	489387.2	3615802	NonCancer	3.86E-04	1.31E-06	2.43E-04	0.00E+00	0.00E+00	2.43E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	3.86E-04
1159	ALL	489342.9	3615811	NonCancer	3.23E-04	1.10E-06	2.03E-04	0.00E+00	0.00E+00	2.03E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	3.23E-04
1160	ALL	489298.5	3615821	NonCancer	2.51E-04	8.54E-07	1.58E-04	0.00E+00	0.00E+00	1.58E-04	8.54E-07	0.00E+00	8.54E-07	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	2.51E-04
1161	ALL	489963.1	3615674	NonCancer	1.79E-03	6.08E-06	1.13E-03	0.00E+00	0.00E+00	1.13E-03	6.08E-06	0.00E+00	6.08E-06	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	1.79E-03
1162	ALL	490040.6	3615856	NonCancer	1.56E-03	5.31E-06	9.84E-04	0.00E+00	0.00E+00	9.84E-04	5.31E-06	0.00E+00	5.31E-06	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	1.56E-03
1163	ALL	490018.5	3615861	NonCancer	1.53E-03	5.18E-06	9.60E-04	0.00E+00	0.00E+00	9.60E-04	5.18E-06	0.00E+00	5.18E-06	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00	1.53E-03
1164	ALL	489996.4	3615866	NonCancer	1.62E-03	5.51E-06	1.02E-03	0.00E+00	0.00E+00	1.02E-03	5.51E-06	0.00E+00	5.51E-06	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.62E-03
1165	ALL	489974.3	3615870	NonCancer	1.69E-03	5.75E-06	1.07E-03	0.00E+00	0.00E+00	1.07E-03	5.75E-06	0.00E+00	5.75E-06	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.69E-03
1166	ALL	489952.3	3615875	NonCancer	1.67E-03	5.69E-06	1.05E-03	0.00E+00	0.00E+00	1.05E-03	5.69E-06	0.00E+00	5.69E-06	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.67E-03
1167	ALL	489930.2	3615880	NonCancer	1.63E-03	5.53E-06	1.02E-03	0.00E+00	0.00E+00	1.02E-03	5.53E-06	0.00E+00	5.53E-06	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.63E-03
1168	ALL	489908.1	3615885	NonCancer	1.57E-03	5.34E-06	9.90E-04	0.00E+00	0.00E+00	9.90E-04	5.34E-06	0.00E+00	5.34E-06	0.00E+00	0.00E+00	9.90E-04	0.00E+00	0.00E+00	1.57E-03
1169	ALL	489886	3615889	NonCancer	1.42E-03	4.84E-06	8.96E-04	0.00E+00	0.00E+00	8.96E-04	4.84E-06	0.00E+00	4.84E-06	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00	1.42E-03
1170	ALL	489864	3615894	NonCancer	1.42E-03	4.82E-06	8.92E-04	0.00E+00	0.00E+00	8.92E-04	4.82E-06	0.00E+00	4.82E-06	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00	1.42E-03
1171	ALL	489841.9	3615899	NonCancer	1.33E-03	4.52E-06	8.37E-04	0.00E+00	0.00E+00	8.37E-04	4.52E-06	0.00E+00	4.52E-06	0.00E+00	0.00E+00	8.37E-04	0.00E+00	0.00E+00	1.33E-03
1172	ALL	489819.8	3615904	NonCancer	1.10E-03	3.73E-06	6.91E-04	0.00E+00	0.00E+00	6.91E-04	3.73E-06	0.00E+00	3.73E-06	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	1.10E-03
1173	ALL	489797.7	3615908	NonCancer	8.28E-04	2.81E-06	5.21E-04	0.00E+00	0.00E+00	5.21E-04	2.81E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	8.28E-04
1174	ALL	489775.7	3615913	NonCancer	7.33E-04	2.49E-06	4.62E-04	0.00E+00	0.00E+00	4.62E-04	2.49E-06	0.00E+00	2.49E-06	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	7.33E-04
1175	ALL	489753.6	3615918	NonCancer	2.41E-04	8.20E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.20E-07	0.00E+00	8.20E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.41E-04
1176	ALL	489731.5	3615923	NonCancer	2.25E-04	7.64E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.64E-07	0.00E+00	7.64E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.25E-04
1177	ALL	489709.4	3615927	NonCancer	2.05E-04	6.98E-07	1.29E-04	0.00E+00	0.00E+00	1.29E-04	6.98E-07	0.00E+00	6.98E-07	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	2.05E-04
1178	ALL	489687.3	3615932	NonCancer	2.08E-04	7.07E-07	1.31E-04	0.00E+00	0.00E+00	1.31E-04	7.07E-07	0.00E+00	7.07E-07	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	2.08E-04
1179	ALL	489665.3	3615937	NonCancer	2.36E-04	8.02E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.02E-07	0.00E+00	8.02E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.36E-04
1180	ALL	489643.2	3615942	NonCancer	1.03E-03	3.51E-06	6.51E-04	0.00E+00	0.00E+00	6.51E-04	3.51E-06	0.00E+00	3.51E-06	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	1.03E-03
1181	ALL	489621.1	3615946	NonCancer	1.06E-03	3.62E-06	6.70E-04	0.00E+00	0.00E+00	6.70E-04	3.62E-06	0.00E+00	3.62E-06	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00	1.06E-03
1182	ALL	489599	3615951	NonCancer	9.15E-04	3.11E-06	5.76E-04	0.00E+00	0.00E+00	5.76E-04	3.11E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	9.15E-04
1183	ALL	489577	3615956	NonCancer	3.37E-04	1.15E-06	2.12E-04	0.00E+00	0.00E+00	2.12E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	3.37E-04
1184	ALL	489554.9	3615961	NonCancer	3.54E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.54E-04
1185	ALL	489532.8	3615966	NonCancer	3.65E-04	1.24E-06	2.30E-04	0.00E+00	0.00E+00	2.30E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	3.65E-04
1186	ALL	489510.7	3615970	NonCancer	3.71E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.71E-04
1187	ALL	489488.7	3615975	NonCancer	3.70E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.70E-04
1188	ALL	489466.6	3615980	NonCancer	3.63E-04	1.23E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.63E-04
1189	ALL	489444.5	3615985	NonCancer	3.51E-04	1.19E-06	2.21E-04	0.00E+00	0.00E+00	2.21E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	3.51E-04
1190	ALL	489422.4	3615989	NonCancer	3.33E-04	1.13E-06	2.10E-04	0.00E+00	0.00E+00	2.10E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	3.33E-04
1191	ALL	489400.4	3615994	NonCancer	3.11E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.11E-04
1192	ALL	489378.3	3615999	NonCancer	2.86E-04	9.71E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.71E-07	0.00E+00	9.71E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.86E-04
1193	ALL	489334.1	3616008	NonCancer	2.30E-04	7.82E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.82E-07	0.00E+00	7.82E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
1194	ALL	489290	3616018	NonCancer	1.90E-04	6.47E-07	1.20E-04	0.00E+00	0.00E+00	1.20E-04	6.47E-07	0.00E+00	6.47E-07	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	1.90E-04
1195	ALL	490237.4	3616204	NonCancer	8.08E-04	2.75E-06	5.09E-04	0.00E+00	0.00E+00	5.09E-04	2.75E-06	0.00E+00	2.75E-06	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	8.08E-04

1196	ALL	490215.4	3616209	NonCancer	7.61E-04	2.59E-06	4.79E-04	0.00E+00	0.00E+00	4.79E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	7.61E-04
1197	ALL	490193.3	3616214	NonCancer	8.60E-04	2.92E-06	5.41E-04	0.00E+00	0.00E+00	5.41E-04	2.92E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	8.60E-04
1198	ALL	490171.2	3616219	NonCancer	9.73E-04	3.31E-06	6.13E-04	0.00E+00	0.00E+00	6.13E-04	3.31E-06	0.00E+00	3.31E-06	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	9.73E-04
1199	ALL	490149.1	3616223	NonCancer	1.07E-03	3.65E-06	6.77E-04	0.00E+00	0.00E+00	6.77E-04	3.65E-06	0.00E+00	3.65E-06	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	1.07E-03
1200	ALL	490127	3616228	NonCancer	1.22E-03	4.13E-06	7.66E-04	0.00E+00	0.00E+00	7.66E-04	4.13E-06	0.00E+00	4.13E-06	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00	1.22E-03
1201	ALL	490104.9	3616233	NonCancer	1.32E-03	4.49E-06	8.31E-04	0.00E+00	0.00E+00	8.31E-04	4.49E-06	0.00E+00	4.49E-06	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	1.32E-03
1202	ALL	490082.8	3616238	NonCancer	1.37E-03	4.66E-06	8.64E-04	0.00E+00	0.00E+00	8.64E-04	4.66E-06	0.00E+00	4.66E-06	0.00E+00	0.00E+00	8.64E-04	0.00E+00	0.00E+00	1.37E-03
1203	ALL	490060.7	3616242	NonCancer	1.34E-03	4.54E-06	8.41E-04	0.00E+00	0.00E+00	8.41E-04	4.54E-06	0.00E+00	4.54E-06	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00	1.34E-03
1204	ALL	490038.6	3616247	NonCancer	1.24E-03	4.21E-06	7.80E-04	0.00E+00	0.00E+00	7.80E-04	4.21E-06	0.00E+00	4.21E-06	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	1.24E-03
1205	ALL	490016.5	3616252	NonCancer	1.32E-03	4.48E-06	8.29E-04	0.00E+00	0.00E+00	8.29E-04	4.48E-06	0.00E+00	4.48E-06	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	1.32E-03
1206	ALL	489994.4	3616257	NonCancer	1.37E-03	4.66E-06	8.64E-04	0.00E+00	0.00E+00	8.64E-04	4.66E-06	0.00E+00	4.66E-06	0.00E+00	0.00E+00	8.64E-04	0.00E+00	0.00E+00	1.37E-03
1207	ALL	489972.3	3616261	NonCancer	1.38E-03	4.70E-06	8.70E-04	0.00E+00	0.00E+00	8.70E-04	4.70E-06	0.00E+00	4.70E-06	0.00E+00	0.00E+00	8.70E-04	0.00E+00	0.00E+00	1.38E-03
1208	ALL	489950.2	3616266	NonCancer	1.33E-03	4.53E-06	8.40E-04	0.00E+00	0.00E+00	8.40E-04	4.53E-06	0.00E+00	4.53E-06	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00	1.33E-03
1209	ALL	489928.1	3616271	NonCancer	1.23E-03	4.17E-06	7.72E-04	0.00E+00	0.00E+00	7.72E-04	4.17E-06	0.00E+00	4.17E-06	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	1.23E-03
1210	ALL	489906	3616276	NonCancer	1.11E-03	3.77E-06	6.98E-04	0.00E+00	0.00E+00	6.98E-04	3.77E-06	0.00E+00	3.77E-06	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	1.11E-03
1211	ALL	489883.9	3616280	NonCancer	1.24E-03	4.23E-06	7.83E-04	0.00E+00	0.00E+00	7.83E-04	4.23E-06	0.00E+00	4.23E-06	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	1.24E-03
1212	ALL	489861.8	3616285	NonCancer	1.28E-03	4.36E-06	8.07E-04	0.00E+00	0.00E+00	8.07E-04	4.36E-06	0.00E+00	4.36E-06	0.00E+00	0.00E+00	8.07E-04	0.00E+00	0.00E+00	1.28E-03
1213	ALL	489839.7	3616290	NonCancer	1.01E-03	3.42E-06	6.33E-04	0.00E+00	0.00E+00	6.33E-04	3.42E-06	0.00E+00	3.42E-06	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	1.01E-03
1214	ALL	489817.6	3616295	NonCancer	1.43E-04	4.88E-07	9.03E-05	0.00E+00	0.00E+00	9.03E-05	4.88E-07	0.00E+00	4.88E-07	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00	1.43E-04
1215	ALL	489795.5	3616300	NonCancer	1.50E-04	5.10E-07	9.44E-05	0.00E+00	0.00E+00	9.44E-05	5.10E-07	0.00E+00	5.10E-07	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	1.50E-04
1216	ALL	489773.4	3616304	NonCancer	1.69E-04	5.73E-07	1.06E-04	0.00E+00	0.00E+00	1.06E-04	5.73E-07	0.00E+00	5.73E-07	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.69E-04
1217	ALL	489751.3	3616309	NonCancer	1.88E-04	6.38E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.38E-07	0.00E+00	6.38E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.88E-04
1218	ALL	489729.2	3616314	NonCancer	2.06E-04	7.01E-07	1.30E-04	0.00E+00	0.00E+00	1.30E-04	7.01E-07	0.00E+00	7.01E-07	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	2.06E-04
1219	ALL	489707.1	3616319	NonCancer	2.24E-04	7.61E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.61E-07	0.00E+00	7.61E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.24E-04
1220	ALL	489685	3616323	NonCancer	2.40E-04	8.15E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.15E-07	0.00E+00	8.15E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04
1221	ALL	489662.9	3616328	NonCancer	2.54E-04	8.63E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.63E-07	0.00E+00	8.63E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.54E-04
1222	ALL	489640.8	3616333	NonCancer	2.65E-04	9.02E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.02E-07	0.00E+00	9.02E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.65E-04
1223	ALL	489618.7	3616338	NonCancer	2.74E-04	9.31E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.31E-07	0.00E+00	9.31E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.74E-04
1224	ALL	489596.7	3616342	NonCancer	2.79E-04	9.49E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.49E-07	0.00E+00	9.49E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.79E-04
1225	ALL	489574.6	3616347	NonCancer	2.81E-04	9.54E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.54E-07	0.00E+00	9.54E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.81E-04
1226	ALL	489552.5	3616352	NonCancer	2.79E-04	9.47E-07	1.75E-04	0.00E+00	0.00E+00	1.75E-04	9.47E-07	0.00E+00	9.47E-07	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	2.79E-04
1227	ALL	489530.4	3616357	NonCancer	6.24E-04	2.12E-06	3.93E-04	0.00E+00	0.00E+00	3.93E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	6.24E-04
1228	ALL	489508.3	3616361	NonCancer	1.14E-03	3.87E-06	7.17E-04	0.00E+00	0.00E+00	7.17E-04	3.87E-06	0.00E+00	3.87E-06	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	1.14E-03
1229	ALL	489486.2	3616366	NonCancer	1.08E-03	3.66E-06	6.78E-04	0.00E+00	0.00E+00	6.78E-04	3.66E-06	0.00E+00	3.66E-06	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	1.08E-03
1230	ALL	489464.1	3616371	NonCancer	9.14E-04	3.11E-06	5.75E-04	0.00E+00	0.00E+00	5.75E-04	3.11E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	9.14E-04
1231	ALL	489442	3616376	NonCancer	7.63E-04	2.60E-06	4.81E-04	0.00E+00	0.00E+00	4.81E-04	2.60E-06	0.00E+00	2.60E-06	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	7.63E-04
1232	ALL	489419.9	3616380	NonCancer	2.05E-04	6.96E-07	1.29E-04	0.00E+00	0.00E+00	1.29E-04	6.96E-07	0.00E+00	6.96E-07	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	2.05E-04
1233	ALL	489397.8	3616385	NonCancer	1.87E-04	6.35E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.35E-07	0.00E+00	6.35E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.87E-04
1234	ALL	489375.7	3616390	NonCancer	1.68E-04	5.71E-07	1.06E-04	0.00E+00	0.00E+00	1.06E-04	5.71E-07	0.00E+00	5.71E-07	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.68E-04
1235	ALL	489353.6	3616395	NonCancer	1.55E-04	5.27E-07	9.76E-05	0.00E+00	0.00E+00	9.76E-05	5.27E-07	0.00E+00	5.27E-07	0.00E+00	0.00E+00	9.76E-05	0.00E+00	0.00E+00	1.55E-04
1236	ALL	489331.5	3616399	NonCancer	1.47E-04	4.98E-07	9.23E-05	0.00E+00	0.00E+00	9.23E-05	4.98E-07	0.00E+00	4.98E-07	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00	1.47E-04
1237	ALL	489309.4	3616404	NonCancer	1.39E-04	4.71E-07	8.72E-05	0.00E+00	0.00E+00	8.72E-05	4.71E-07	0.00E+00	4.71E-07	0.00E+00	0.00E+00	8.72E-05	0.00E+00	0.00E+00	1.39E-04
1238	ALL	489287.3	3616409	NonCancer	1.34E-04	4.57E-07	8.47E-05	0.00E+00	0.00E+00	8.47E-05	4.57E-07	0.00E+00	4.57E-07	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00	1.34E-04
1239	ALL	489243.1	3616418	NonCancer	1.48E-04	5.02E-07	9.30E-05	0.00E+00	0.00E+00	9.30E-05	5.02E-07	0.00E+00	5.02E-07	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00	1.48E-04
1240	ALL	489198.9	3616428	NonCancer	2.02E-04	6.87E-07	1.27E-04	0.00E+00	0.00E+00	1.27E-04	6.87E-07	0.00E+00	6.87E-07	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	2.02E-04
1241	ALL	489154.7	3616438	NonCancer	2.60E-04	8.83E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.83E-07	0.00E+00	8.83E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.60E-04
1242	ALL	490434.3	3616553	NonCancer	9.98E-04	3.39E-06	6.28E-04	0.00E+00	0.00E+00	6.28E-04	3.39E-06	0.00E+00	3.39E-06	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	9.98E-04
1243	ALL	490412	3616557	NonCancer	1.04E-03	3.54E-06	6.55E-04	0.00E+00	0.00E+00	6.55E-04	3.54E-06	0.00E+00	3.54E-06	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	1.04E-03
1244	ALL	490389.7	3616562	NonCancer	1.02E-03	3.47E-06	6.42E-04	0.00E+00	0.00E+00	6.42E-04	3.47E-06	0.00E+00	3.47E-06	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	1.02E-03
1245	ALL	490367.4	3616567	NonCancer	1.06E-03	3.60E-06	6.67E-04	0.00E+00	0.00E+00	6.67E-04	3.60E-06	0.00E+00	3.60E-06	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	1.06E-03
1246	ALL	490345.2	3616572	NonCancer	1.12E-03	3.80E-06	7.05E-04	0.00E+00	0.00E+00	7.05E-04	3.80E-06	0.00E+00	3.80E-06	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00	1.12E-03
1247	ALL	490322.9	3616577	NonCancer	1.08E-03	3.68E-06	6.81E-04	0.00E+00	0.00E+00	6.81E-04	3.68E-06	0.00E+00	3.68E-06	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	1.08E-03

1248	ALL	490300.6	3616581	NonCancer	9.22E-04	3.13E-06	5.80E-04	0.00E+00	0.00E+00	5.80E-04	3.13E-06	0.00E+00	3.13E-06	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	9.22E-04
1249	ALL	490278.3	3616586	NonCancer	8.75E-04	2.98E-06	5.51E-04	0.00E+00	0.00E+00	5.51E-04	2.98E-06	0.00E+00	2.98E-06	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	8.75E-04
1250	ALL	490256.1	3616591	NonCancer	1.01E-03	3.43E-06	6.35E-04	0.00E+00	0.00E+00	6.35E-04	3.43E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	1.01E-03
1251	ALL	490233.8	3616596	NonCancer	1.06E-03	3.60E-06	6.66E-04	0.00E+00	0.00E+00	6.66E-04	3.60E-06	0.00E+00	3.60E-06	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	1.06E-03
1252	ALL	490211.5	3616601	NonCancer	1.01E-03	3.44E-06	6.37E-04	0.00E+00	0.00E+00	6.37E-04	3.44E-06	0.00E+00	3.44E-06	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	1.01E-03
1253	ALL	490189.3	3616605	NonCancer	9.26E-04	3.15E-06	5.83E-04	0.00E+00	0.00E+00	5.83E-04	3.15E-06	0.00E+00	3.15E-06	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	9.26E-04
1254	ALL	490167	3616610	NonCancer	9.62E-04	3.27E-06	6.06E-04	0.00E+00	0.00E+00	6.06E-04	3.27E-06	0.00E+00	3.27E-06	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	9.62E-04
1255	ALL	490144.7	3616615	NonCancer	1.01E-03	3.43E-06	6.35E-04	0.00E+00	0.00E+00	6.35E-04	3.43E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	1.01E-03
1256	ALL	490122.4	3616620	NonCancer	1.09E-03	3.71E-06	6.87E-04	0.00E+00	0.00E+00	6.87E-04	3.71E-06	0.00E+00	3.71E-06	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00	1.09E-03
1257	ALL	490100.2	3616624	NonCancer	1.11E-03	3.78E-06	7.00E-04	0.00E+00	0.00E+00	7.00E-04	3.78E-06	0.00E+00	3.78E-06	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00	1.11E-03
1258	ALL	490077.9	3616629	NonCancer	1.07E-03	3.63E-06	6.73E-04	0.00E+00	0.00E+00	6.73E-04	3.63E-06	0.00E+00	3.63E-06	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	1.07E-03
1259	ALL	490055.6	3616634	NonCancer	9.73E-04	3.31E-06	6.13E-04	0.00E+00	0.00E+00	6.13E-04	3.31E-06	0.00E+00	3.31E-06	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	9.73E-04
1260	ALL	490033.3	3616639	NonCancer	9.05E-04	3.08E-06	5.70E-04	0.00E+00	0.00E+00	5.70E-04	3.08E-06	0.00E+00	3.08E-06	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	9.05E-04
1261	ALL	490011.1	3616644	NonCancer	1.02E-03	3.46E-06	6.40E-04	0.00E+00	0.00E+00	6.40E-04	3.46E-06	0.00E+00	3.46E-06	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	1.02E-03
1262	ALL	489988.8	3616648	NonCancer	1.09E-03	3.72E-06	6.88E-04	0.00E+00	0.00E+00	6.88E-04	3.72E-06	0.00E+00	3.72E-06	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	1.09E-03
1263	ALL	489966.5	3616653	NonCancer	1.14E-03	3.86E-06	7.16E-04	0.00E+00	0.00E+00	7.16E-04	3.86E-06	0.00E+00	3.86E-06	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00	1.14E-03
1264	ALL	489944.2	3616658	NonCancer	1.17E-03	3.97E-06	7.36E-04	0.00E+00	0.00E+00	7.36E-04	3.97E-06	0.00E+00	3.97E-06	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00	1.17E-03
1265	ALL	489922	3616663	NonCancer	1.23E-03	4.19E-06	7.75E-04	0.00E+00	0.00E+00	7.75E-04	4.19E-06	0.00E+00	4.19E-06	0.00E+00	0.00E+00	7.75E-04	0.00E+00	0.00E+00	1.23E-03
1266	ALL	489899.7	3616668	NonCancer	1.24E-03	4.22E-06	7.82E-04	0.00E+00	0.00E+00	7.82E-04	4.22E-06	0.00E+00	4.22E-06	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	1.24E-03
1267	ALL	489877.4	3616672	NonCancer	1.20E-03	4.09E-06	7.58E-04	0.00E+00	0.00E+00	7.58E-04	4.09E-06	0.00E+00	4.09E-06	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00	1.20E-03
1268	ALL	489855.1	3616677	NonCancer	1.12E-03	3.82E-06	7.07E-04	0.00E+00	0.00E+00	7.07E-04	3.82E-06	0.00E+00	3.82E-06	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	1.12E-03
1269	ALL	489832.9	3616682	NonCancer	1.01E-03	3.42E-06	6.34E-04	0.00E+00	0.00E+00	6.34E-04	3.42E-06	0.00E+00	3.42E-06	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	1.01E-03
1270	ALL	489810.6	3616687	NonCancer	1.01E-03	3.43E-06	6.36E-04	0.00E+00	0.00E+00	6.36E-04	3.43E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	1.01E-03
1271	ALL	489788.3	3616692	NonCancer	1.04E-03	3.54E-06	6.55E-04	0.00E+00	0.00E+00	6.55E-04	3.54E-06	0.00E+00	3.54E-06	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	1.04E-03
1272	ALL	489766.1	3616696	NonCancer	1.04E-03	3.53E-06	6.54E-04	0.00E+00	0.00E+00	6.54E-04	3.53E-06	0.00E+00	3.53E-06	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	1.04E-03
1273	ALL	489743.8	3616701	NonCancer	1.01E-03	3.42E-06	6.34E-04	0.00E+00	0.00E+00	6.34E-04	3.42E-06	0.00E+00	3.42E-06	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	1.01E-03
1274	ALL	489721.5	3616706	NonCancer	1.07E-03	3.64E-06	6.74E-04	0.00E+00	0.00E+00	6.74E-04	3.64E-06	0.00E+00	3.64E-06	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	1.07E-03
1275	ALL	489699.2	3616711	NonCancer	1.09E-03	3.72E-06	6.89E-04	0.00E+00	0.00E+00	6.89E-04	3.72E-06	0.00E+00	3.72E-06	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	1.09E-03
1276	ALL	489677	3616716	NonCancer	1.08E-03	3.66E-06	6.78E-04	0.00E+00	0.00E+00	6.78E-04	3.66E-06	0.00E+00	3.66E-06	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	1.08E-03
1277	ALL	489654.7	3616720	NonCancer	1.03E-03	3.50E-06	6.48E-04	0.00E+00	0.00E+00	6.48E-04	3.50E-06	0.00E+00	3.50E-06	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	1.03E-03
1278	ALL	489632.4	3616725	NonCancer	9.90E-04	3.37E-06	6.24E-04	0.00E+00	0.00E+00	6.24E-04	3.37E-06	0.00E+00	3.37E-06	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	9.90E-04
1279	ALL	489610.1	3616730	NonCancer	1.06E-03	3.59E-06	6.65E-04	0.00E+00	0.00E+00	6.65E-04	3.59E-06	0.00E+00	3.59E-06	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	1.06E-03
1280	ALL	489587.9	3616735	NonCancer	1.08E-03	3.68E-06	6.82E-04	0.00E+00	0.00E+00	6.82E-04	3.68E-06	0.00E+00	3.68E-06	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00	1.08E-03
1281	ALL	489565.6	3616740	NonCancer	1.07E-03	3.63E-06	6.73E-04	0.00E+00	0.00E+00	6.73E-04	3.63E-06	0.00E+00	3.63E-06	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	1.07E-03
1282	ALL	489543.3	3616744	NonCancer	1.00E-03	3.41E-06	6.32E-04	0.00E+00	0.00E+00	6.32E-04	3.41E-06	0.00E+00	3.41E-06	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	1.00E-03
1283	ALL	489521	3616749	NonCancer	8.87E-04	3.01E-06	5.58E-04	0.00E+00	0.00E+00	5.58E-04	3.01E-06	0.00E+00	3.01E-06	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	8.87E-04
1284	ALL	489498.8	3616754	NonCancer	8.12E-04	2.76E-06	5.11E-04	0.00E+00	0.00E+00	5.11E-04	2.76E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	8.12E-04
1285	ALL	489476.5	3616759	NonCancer	7.74E-04	2.63E-06	4.87E-04	0.00E+00	0.00E+00	4.87E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	7.74E-04
1286	ALL	489454.2	3616764	NonCancer	7.08E-04	2.41E-06	4.46E-04	0.00E+00	0.00E+00	4.46E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	7.08E-04
1287	ALL	489431.9	3616768	NonCancer	6.32E-04	2.15E-06	3.98E-04	0.00E+00	0.00E+00	3.98E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	6.32E-04
1288	ALL	489409.7	3616773	NonCancer	5.56E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.56E-04
1289	ALL	489387.4	3616778	NonCancer	4.59E-04	1.56E-06	2.89E-04	0.00E+00	0.00E+00	2.89E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	4.59E-04
1290	ALL	489365.1	3616783	NonCancer	4.38E-04	1.49E-06	2.76E-04	0.00E+00	0.00E+00	2.76E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	4.38E-04
1291	ALL	489342.9	3616788	NonCancer	1.10E-04	3.73E-07	6.91E-05	0.00E+00	0.00E+00	6.91E-05	3.73E-07	0.00E+00	3.73E-07	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	1.10E-04
1292	ALL	489320.6	3616792	NonCancer	1.04E-04	3.52E-07	6.52E-05	0.00E+00	0.00E+00	6.52E-05	3.52E-07	0.00E+00	3.52E-07	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00	1.04E-04
1293	ALL	489298.3	3616797	NonCancer	1.07E-04	3.65E-07	6.76E-05	0.00E+00	0.00E+00	6.76E-05	3.65E-07	0.00E+00	3.65E-07	0.00E+00	0.00E+00	6.76E-05	0.00E+00	0.00E+00	1.07E-04
1294	ALL	489276	3616802	NonCancer	1.12E-04	3.82E-07	7.08E-05	0.00E+00	0.00E+00	7.08E-05	3.82E-07	0.00E+00	3.82E-07	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00	1.12E-04
1295	ALL	489253.8	3616807	NonCancer	1.17E-04	3.97E-07	7.36E-05	0.00E+00	0.00E+00	7.36E-05	3.97E-07	0.00E+00	3.97E-07	0.00E+00	0.00E+00	7.36E-05	0.00E+00	0.00E+00	1.17E-04
1296	ALL	489231.5	3616812	NonCancer	1.27E-04	4.31E-07	7.98E-05	0.00E+00	0.00E+00	7.98E-05	4.31E-07	0.00E+00	4.31E-07	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	1.27E-04
1297	ALL	489209.2	3616816	NonCancer	1.46E-04	4.98E-07	9.21E-05	0.00E+00	0.00E+00	9.21E-05	4.98E-07	0.00E+00	4.98E-07	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00	1.46E-04
1298	ALL	489164.7	3616826	NonCancer	1.87E-04	6.35E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.35E-07	0.00E+00	6.35E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.87E-04
1299	ALL	490455.3	3616545	NonCancer	1.02E-03	3.48E-06	6.45E-04	0.00E+00	0.00E+00	6.45E-04	3.48E-06	0.00E+00	3.48E-06	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	1.02E-03

1300	ALL	490631.2	3616901	NonCancer	7.98E-04	2.71E-06	5.03E-04	0.00E+00	0.00E+00	5.03E-04	2.71E-06	0.00E+00	2.71E-06	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	7.98E-04
1301	ALL	490608.9	3616906	NonCancer	6.58E-04	2.24E-06	4.14E-04	0.00E+00	0.00E+00	4.14E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	6.58E-04
1302	ALL	490586.6	3616910	NonCancer	5.28E-04	1.80E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.28E-04
1303	ALL	490564.4	3616915	NonCancer	5.45E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.45E-04
1304	ALL	490542.1	3616920	NonCancer	5.88E-04	2.00E-06	3.70E-04	0.00E+00	0.00E+00	3.70E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	5.88E-04
1305	ALL	490519.9	3616925	NonCancer	6.06E-04	2.06E-06	3.82E-04	0.00E+00	0.00E+00	3.82E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	6.06E-04
1306	ALL	490497.6	3616929	NonCancer	6.30E-04	2.14E-06	3.96E-04	0.00E+00	0.00E+00	3.96E-04	2.14E-06	0.00E+00	2.14E-06	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	6.30E-04
1307	ALL	490475.3	3616934	NonCancer	6.65E-04	2.26E-06	4.19E-04	0.00E+00	0.00E+00	4.19E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	6.65E-04
1308	ALL	490453.1	3616939	NonCancer	7.12E-04	2.42E-06	4.48E-04	0.00E+00	0.00E+00	4.48E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	7.12E-04
1309	ALL	490430.8	3616944	NonCancer	7.96E-04	2.71E-06	5.01E-04	0.00E+00	0.00E+00	5.01E-04	2.71E-06	0.00E+00	2.71E-06	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	7.96E-04
1310	ALL	490408.5	3616949	NonCancer	7.45E-04	2.53E-06	4.69E-04	0.00E+00	0.00E+00	4.69E-04	2.53E-06	0.00E+00	2.53E-06	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	7.45E-04
1311	ALL	490386.3	3616953	NonCancer	6.42E-04	2.18E-06	4.04E-04	0.00E+00	0.00E+00	4.04E-04	2.18E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	6.42E-04
1312	ALL	490364	3616958	NonCancer	5.67E-04	1.93E-06	3.57E-04	0.00E+00	0.00E+00	3.57E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	5.67E-04
1313	ALL	490341.8	3616963	NonCancer	5.77E-04	1.96E-06	3.63E-04	0.00E+00	0.00E+00	3.63E-04	1.96E-06	0.00E+00	1.96E-06	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	5.77E-04
1314	ALL	490319.5	3616968	NonCancer	6.32E-04	2.15E-06	3.98E-04	0.00E+00	0.00E+00	3.98E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	6.32E-04
1315	ALL	490297.2	3616973	NonCancer	6.87E-04	2.34E-06	4.33E-04	0.00E+00	0.00E+00	4.33E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	6.87E-04
1316	ALL	490275	3616977	NonCancer	7.37E-04	2.51E-06	4.64E-04	0.00E+00	0.00E+00	4.64E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	7.37E-04
1317	ALL	490252.7	3616982	NonCancer	7.18E-04	2.44E-06	4.52E-04	0.00E+00	0.00E+00	4.52E-04	2.44E-06	0.00E+00	2.44E-06	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	7.18E-04
1318	ALL	490230.4	3616987	NonCancer	6.94E-04	2.36E-06	4.37E-04	0.00E+00	0.00E+00	4.37E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	6.94E-04
1319	ALL	490208.2	3616992	NonCancer	6.63E-04	2.25E-06	4.17E-04	0.00E+00	0.00E+00	4.17E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	6.63E-04
1320	ALL	490185.9	3616997	NonCancer	6.11E-04	2.08E-06	3.84E-04	0.00E+00	0.00E+00	3.84E-04	2.08E-06	0.00E+00	2.08E-06	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	6.11E-04
1321	ALL	490163.7	3617001	NonCancer	6.29E-04	2.14E-06	3.96E-04	0.00E+00	0.00E+00	3.96E-04	2.14E-06	0.00E+00	2.14E-06	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	6.29E-04
1322	ALL	490141.4	3617006	NonCancer	6.65E-04	2.26E-06	4.19E-04	0.00E+00	0.00E+00	4.19E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	6.65E-04
1323	ALL	490119.1	3617011	NonCancer	7.60E-04	2.59E-06	4.79E-04	0.00E+00	0.00E+00	4.79E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	7.60E-04
1324	ALL	490096.9	3617016	NonCancer	8.64E-04	2.94E-06	5.44E-04	0.00E+00	0.00E+00	5.44E-04	2.94E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	8.64E-04
1325	ALL	490074.6	3617021	NonCancer	9.27E-04	3.15E-06	5.83E-04	0.00E+00	0.00E+00	5.83E-04	3.15E-06	0.00E+00	3.15E-06	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	9.27E-04
1326	ALL	490052.3	3617025	NonCancer	1.01E-03	3.42E-06	6.34E-04	0.00E+00	0.00E+00	6.34E-04	3.42E-06	0.00E+00	3.42E-06	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	1.01E-03
1327	ALL	490030.1	3617030	NonCancer	1.06E-03	3.61E-06	6.68E-04	0.00E+00	0.00E+00	6.68E-04	3.61E-06	0.00E+00	3.61E-06	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	1.06E-03
1328	ALL	490007.8	3617035	NonCancer	1.06E-03	3.61E-06	6.69E-04	0.00E+00	0.00E+00	6.69E-04	3.61E-06	0.00E+00	3.61E-06	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	1.06E-03
1329	ALL	489985.6	3617040	NonCancer	1.03E-03	3.50E-06	6.48E-04	0.00E+00	0.00E+00	6.48E-04	3.50E-06	0.00E+00	3.50E-06	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	1.03E-03
1330	ALL	489963.3	3617045	NonCancer	9.62E-04	3.27E-06	6.06E-04	0.00E+00	0.00E+00	6.06E-04	3.27E-06	0.00E+00	3.27E-06	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	9.62E-04
1331	ALL	489941	3617049	NonCancer	8.73E-04	2.97E-06	5.50E-04	0.00E+00	0.00E+00	5.50E-04	2.97E-06	0.00E+00	2.97E-06	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	8.73E-04
1332	ALL	489918.8	3617054	NonCancer	8.32E-04	2.83E-06	5.24E-04	0.00E+00	0.00E+00	5.24E-04	2.83E-06	0.00E+00	2.83E-06	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	8.32E-04
1333	ALL	489896.5	3617059	NonCancer	8.82E-04	3.00E-06	5.56E-04	0.00E+00	0.00E+00	5.56E-04	3.00E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	8.82E-04
1334	ALL	489874.2	3617064	NonCancer	9.01E-04	3.06E-06	5.67E-04	0.00E+00	0.00E+00	5.67E-04	3.06E-06	0.00E+00	3.06E-06	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	9.01E-04
1335	ALL	489852	3617069	NonCancer	8.83E-04	3.00E-06	5.56E-04	0.00E+00	0.00E+00	5.56E-04	3.00E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	8.83E-04
1336	ALL	489829.7	3617073	NonCancer	8.22E-04	2.80E-06	5.18E-04	0.00E+00	0.00E+00	5.18E-04	2.80E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	8.22E-04
1337	ALL	489807.4	3617078	NonCancer	6.97E-04	2.37E-06	4.39E-04	0.00E+00	0.00E+00	4.39E-04	2.37E-06	0.00E+00	2.37E-06	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	6.97E-04
1338	ALL	489785.2	3617083	NonCancer	3.45E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.45E-04
1339	ALL	489762.9	3617088	NonCancer	1.78E-04	6.05E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.05E-07	0.00E+00	6.05E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.78E-04
1340	ALL	489740.7	3617093	NonCancer	2.92E-04	9.91E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.91E-07	0.00E+00	9.91E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.92E-04
1341	ALL	489718.4	3617097	NonCancer	1.81E-04	6.15E-07	1.14E-04	0.00E+00	0.00E+00	1.14E-04	6.15E-07	0.00E+00	6.15E-07	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	1.81E-04
1342	ALL	489696.1	3617102	NonCancer	1.80E-04	6.12E-07	1.13E-04	0.00E+00	0.00E+00	1.13E-04	6.12E-07	0.00E+00	6.12E-07	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	1.80E-04
1343	ALL	489673.9	3617107	NonCancer	1.78E-04	6.04E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.04E-07	0.00E+00	6.04E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.78E-04
1344	ALL	489651.6	3617112	NonCancer	1.74E-04	5.90E-07	1.09E-04	0.00E+00	0.00E+00	1.09E-04	5.90E-07	0.00E+00	5.90E-07	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	1.74E-04
1345	ALL	489629.3	3617116	NonCancer	1.68E-04	5.72E-07	1.06E-04	0.00E+00	0.00E+00	1.06E-04	5.72E-07	0.00E+00	5.72E-07	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.68E-04
1346	ALL	489607.1	3617121	NonCancer	1.62E-04	5.50E-07	1.02E-04	0.00E+00	0.00E+00	1.02E-04	5.50E-07	0.00E+00	5.50E-07	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	1.62E-04
1347	ALL	489584.8	3617126	NonCancer	1.54E-04	5.25E-07	9.73E-05	0.00E+00	0.00E+00	9.73E-05	5.25E-07	0.00E+00	5.25E-07	0.00E+00	0.00E+00	9.73E-05	0.00E+00	0.00E+00	1.54E-04
1348	ALL	489562.6	3617131	NonCancer	1.46E-04	4.97E-07	9.20E-05	0.00E+00	0.00E+00	9.20E-05	4.97E-07	0.00E+00	4.97E-07	0.00E+00	0.00E+00	9.20E-05	0.00E+00	0.00E+00	1.46E-04
1349	ALL	489540.3	3617136	NonCancer	1.37E-04	4.66E-07	8.64E-05	0.00E+00	0.00E+00	8.64E-05	4.66E-07	0.00E+00	4.66E-07	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	1.37E-04
1350	ALL	489518	3617140	NonCancer	1.28E-04	4.34E-07	8.04E-05	0.00E+00	0.00E+00	8.04E-05	4.34E-07	0.00E+00	4.34E-07	0.00E+00	0.00E+00	8.04E-05	0.00E+00	0.00E+00	1.28E-04
1351	ALL	489495.8	3617145	NonCancer	1.18E-04	4.01E-07	7.42E-05	0.00E+00	0.00E+00	7.42E-05	4.01E-07	0.00E+00	4.01E-07	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	1.18E-04

1352	ALL	489473.5	3617150	NonCancer	1.09E-04	3.70E-07	6.85E-05	0.00E+00	0.00E+00	6.85E-05	3.70E-07	0.00E+00	3.70E-07	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	1.09E-04
1353	ALL	489451.2	3617155	NonCancer	1.04E-04	3.55E-07	6.57E-05	0.00E+00	0.00E+00	6.57E-05	3.55E-07	0.00E+00	3.55E-07	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	1.04E-04
1354	ALL	489429	3617160	NonCancer	9.94E-05	3.38E-07	6.26E-05	0.00E+00	0.00E+00	6.26E-05	3.38E-07	0.00E+00	3.38E-07	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	9.94E-05
1355	ALL	489406.7	3617164	NonCancer	3.40E-04	1.16E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.40E-04
1356	ALL	489384.5	3617169	NonCancer	4.56E-04	1.55E-06	2.87E-04	0.00E+00	0.00E+00	2.87E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	4.56E-04
1357	ALL	489362.2	3617174	NonCancer	4.75E-04	1.62E-06	2.99E-04	0.00E+00	0.00E+00	2.99E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	4.75E-04
1358	ALL	489339.9	3617179	NonCancer	4.14E-04	1.41E-06	2.61E-04	0.00E+00	0.00E+00	2.61E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	4.14E-04
1359	ALL	489317.7	3617184	NonCancer	8.90E-05	3.03E-07	5.60E-05	0.00E+00	0.00E+00	5.60E-05	3.03E-07	0.00E+00	3.03E-07	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	8.90E-05
1360	ALL	489295.4	3617188	NonCancer	9.06E-05	3.08E-07	5.70E-05	0.00E+00	0.00E+00	5.70E-05	3.08E-07	0.00E+00	3.08E-07	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00	9.06E-05
1361	ALL	489273.1	3617193	NonCancer	3.67E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.67E-04
1362	ALL	489250.9	3617198	NonCancer	3.70E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.70E-04
1363	ALL	489228.6	3617203	NonCancer	3.34E-04	1.14E-06	2.10E-04	0.00E+00	0.00E+00	2.10E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	3.34E-04
1364	ALL	489206.4	3617208	NonCancer	1.18E-04	4.02E-07	7.44E-05	0.00E+00	0.00E+00	7.44E-05	4.02E-07	0.00E+00	4.02E-07	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	1.18E-04
1365	ALL	489184.1	3617212	NonCancer	1.33E-04	4.53E-07	8.39E-05	0.00E+00	0.00E+00	8.39E-05	4.53E-07	0.00E+00	4.53E-07	0.00E+00	0.00E+00	8.39E-05	0.00E+00	0.00E+00	1.33E-04
1366	ALL	489161.8	3617217	NonCancer	1.49E-04	5.06E-07	9.37E-05	0.00E+00	0.00E+00	9.37E-05	5.06E-07	0.00E+00	5.06E-07	0.00E+00	0.00E+00	9.37E-05	0.00E+00	0.00E+00	1.49E-04
1367	ALL	489139.6	3617222	NonCancer	1.64E-04	5.56E-07	1.03E-04	0.00E+00	0.00E+00	1.03E-04	5.56E-07	0.00E+00	5.56E-07	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	1.64E-04
1368	ALL	489095	3617232	NonCancer	5.93E-04	2.01E-06	3.73E-04	0.00E+00	0.00E+00	3.73E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	5.93E-04
1369	ALL	489050.5	3617241	NonCancer	5.55E-04	1.89E-06	3.49E-04	0.00E+00	0.00E+00	3.49E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	5.55E-04
1370	ALL	490652.2	3616893	NonCancer	9.09E-04	3.09E-06	5.72E-04	0.00E+00	0.00E+00	5.72E-04	3.09E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	9.09E-04
1371	ALL	490828.1	3617249	NonCancer	7.57E-04	2.57E-06	4.77E-04	0.00E+00	0.00E+00	4.77E-04	2.57E-06	0.00E+00	2.57E-06	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	7.57E-04
1372	ALL	490805.8	3617254	NonCancer	7.58E-04	2.58E-06	4.77E-04	0.00E+00	0.00E+00	4.77E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	7.58E-04
1373	ALL	490783.6	3617258	NonCancer	7.16E-04	2.44E-06	4.51E-04	0.00E+00	0.00E+00	4.51E-04	2.44E-06	0.00E+00	2.44E-06	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	7.16E-04
1374	ALL	490761.3	3617263	NonCancer	6.64E-04	2.26E-06	4.18E-04	0.00E+00	0.00E+00	4.18E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	6.64E-04
1375	ALL	490739.1	3617268	NonCancer	6.76E-04	2.30E-06	4.26E-04	0.00E+00	0.00E+00	4.26E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	6.76E-04
1376	ALL	490716.8	3617273	NonCancer	6.66E-04	2.26E-06	4.19E-04	0.00E+00	0.00E+00	4.19E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	6.66E-04
1377	ALL	490694.6	3617278	NonCancer	6.36E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.36E-04
1378	ALL	490672.3	3617282	NonCancer	6.27E-04	2.13E-06	3.95E-04	0.00E+00	0.00E+00	3.95E-04	2.13E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	6.27E-04
1379	ALL	490650	3617287	NonCancer	6.21E-04	2.11E-06	3.91E-04	0.00E+00	0.00E+00	3.91E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	6.21E-04
1380	ALL	490627.8	3617292	NonCancer	6.04E-04	2.05E-06	3.80E-04	0.00E+00	0.00E+00	3.80E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	6.04E-04
1381	ALL	490605.5	3617297	NonCancer	6.05E-04	2.06E-06	3.81E-04	0.00E+00	0.00E+00	3.81E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	6.05E-04
1382	ALL	490583.3	3617302	NonCancer	5.73E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.73E-04
1383	ALL	490561	3617306	NonCancer	5.33E-04	1.81E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.33E-04
1384	ALL	490538.8	3617311	NonCancer	5.18E-04	1.76E-06	3.26E-04	0.00E+00	0.00E+00	3.26E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	5.18E-04
1385	ALL	490516.5	3617316	NonCancer	4.95E-04	1.68E-06	3.11E-04	0.00E+00	0.00E+00	3.11E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	4.95E-04
1386	ALL	490494.3	3617321	NonCancer	5.35E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.35E-04
1387	ALL	490472	3617326	NonCancer	5.96E-04	2.03E-06	3.76E-04	0.00E+00	0.00E+00	3.76E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	5.96E-04
1388	ALL	490449.8	3617330	NonCancer	6.65E-04	2.26E-06	4.19E-04	0.00E+00	0.00E+00	4.19E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	6.65E-04
1389	ALL	490427.5	3617335	NonCancer	7.24E-04	2.46E-06	4.56E-04	0.00E+00	0.00E+00	4.56E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	7.24E-04
1390	ALL	490405.2	3617340	NonCancer	7.57E-04	2.57E-06	4.77E-04	0.00E+00	0.00E+00	4.77E-04	2.57E-06	0.00E+00	2.57E-06	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	7.57E-04
1391	ALL	490383	3617345	NonCancer	7.49E-04	2.55E-06	4.72E-04	0.00E+00	0.00E+00	4.72E-04	2.55E-06	0.00E+00	2.55E-06	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	7.49E-04
1392	ALL	490360.7	3617350	NonCancer	7.09E-04	2.41E-06	4.46E-04	0.00E+00	0.00E+00	4.46E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	7.09E-04
1393	ALL	490338.5	3617354	NonCancer	6.52E-04	2.22E-06	4.10E-04	0.00E+00	0.00E+00	4.10E-04	2.22E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	6.52E-04
1394	ALL	490316.2	3617359	NonCancer	5.84E-04	1.98E-06	3.67E-04	0.00E+00	0.00E+00	3.67E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	5.84E-04
1395	ALL	490294	3617364	NonCancer	5.86E-04	1.99E-06	3.69E-04	0.00E+00	0.00E+00	3.69E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	5.86E-04
1396	ALL	490271.7	3617369	NonCancer	6.71E-04	2.28E-06	4.23E-04	0.00E+00	0.00E+00	4.23E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	6.71E-04
1397	ALL	490249.5	3617374	NonCancer	7.15E-04	2.43E-06	4.50E-04	0.00E+00	0.00E+00	4.50E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	7.15E-04
1398	ALL	490227.2	3617378	NonCancer	6.64E-04	2.26E-06	4.18E-04	0.00E+00	0.00E+00	4.18E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	6.64E-04
1399	ALL	490205	3617383	NonCancer	6.36E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.36E-04
1400	ALL	490182.7	3617388	NonCancer	6.02E-04	2.05E-06	3.79E-04	0.00E+00	0.00E+00	3.79E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	6.02E-04
1401	ALL	490160.4	3617393	NonCancer	5.32E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.32E-04
1402	ALL	490138.2	3617397	NonCancer	4.13E-04	1.40E-06	2.60E-04	0.00E+00	0.00E+00	2.60E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	4.13E-04
1403	ALL	490115.9	3617402	NonCancer	3.38E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.38E-04

1404	ALL	490093.7	3617407	NonCancer	4.76E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.76E-04
1405	ALL	490071.4	3617412	NonCancer	4.11E-04	1.40E-06	2.59E-04	0.00E+00	0.00E+00	2.59E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	4.11E-04
1406	ALL	490049.2	3617417	NonCancer	4.09E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.09E-04
1407	ALL	490026.9	3617421	NonCancer	3.99E-04	1.35E-06	2.51E-04	0.00E+00	0.00E+00	2.51E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	3.99E-04
1408	ALL	490004.7	3617426	NonCancer	3.78E-04	1.29E-06	2.38E-04	0.00E+00	0.00E+00	2.38E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	3.78E-04
1409	ALL	489982.4	3617431	NonCancer	3.61E-04	1.23E-06	2.28E-04	0.00E+00	0.00E+00	2.28E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	3.61E-04
1410	ALL	489960.2	3617436	NonCancer	3.96E-04	1.35E-06	2.49E-04	0.00E+00	0.00E+00	2.49E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	3.96E-04
1411	ALL	489937.9	3617441	NonCancer	5.03E-04	1.71E-06	3.17E-04	0.00E+00	0.00E+00	3.17E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	5.03E-04
1412	ALL	489915.6	3617445	NonCancer	5.83E-04	1.98E-06	3.67E-04	0.00E+00	0.00E+00	3.67E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	5.83E-04
1413	ALL	489893.4	3617450	NonCancer	6.62E-04	2.25E-06	4.17E-04	0.00E+00	0.00E+00	4.17E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	6.62E-04
1414	ALL	489871.1	3617455	NonCancer	7.14E-04	2.43E-06	4.50E-04	0.00E+00	0.00E+00	4.50E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	7.14E-04
1415	ALL	489848.9	3617460	NonCancer	7.59E-04	2.58E-06	4.78E-04	0.00E+00	0.00E+00	4.78E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	7.59E-04
1416	ALL	489826.6	3617465	NonCancer	7.97E-04	2.71E-06	5.02E-04	0.00E+00	0.00E+00	5.02E-04	2.71E-06	0.00E+00	2.71E-06	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	7.97E-04
1417	ALL	489804.4	3617469	NonCancer	7.86E-04	2.67E-06	4.95E-04	0.00E+00	0.00E+00	4.95E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	7.86E-04
1418	ALL	489782.1	3617474	NonCancer	7.82E-04	2.66E-06	4.92E-04	0.00E+00	0.00E+00	4.92E-04	2.66E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	7.82E-04
1419	ALL	489759.9	3617479	NonCancer	8.13E-04	2.76E-06	5.12E-04	0.00E+00	0.00E+00	5.12E-04	2.76E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	8.13E-04
1420	ALL	489737.6	3617484	NonCancer	8.39E-04	2.85E-06	5.28E-04	0.00E+00	0.00E+00	5.28E-04	2.85E-06	0.00E+00	2.85E-06	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	8.39E-04
1421	ALL	489715.4	3617489	NonCancer	8.84E-04	3.01E-06	5.57E-04	0.00E+00	0.00E+00	5.57E-04	3.01E-06	0.00E+00	3.01E-06	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	8.84E-04
1422	ALL	489693.1	3617493	NonCancer	9.02E-04	3.07E-06	5.68E-04	0.00E+00	0.00E+00	5.68E-04	3.07E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	9.02E-04
1423	ALL	489670.8	3617498	NonCancer	8.82E-04	3.00E-06	5.55E-04	0.00E+00	0.00E+00	5.55E-04	3.00E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	8.82E-04
1424	ALL	489648.6	3617503	NonCancer	8.30E-04	2.82E-06	5.23E-04	0.00E+00	0.00E+00	5.23E-04	2.82E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	8.30E-04
1425	ALL	489626.3	3617508	NonCancer	7.63E-04	2.59E-06	4.80E-04	0.00E+00	0.00E+00	4.80E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	7.63E-04
1426	ALL	489604.1	3617513	NonCancer	7.13E-04	2.42E-06	4.49E-04	0.00E+00	0.00E+00	4.49E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	7.13E-04
1427	ALL	489581.8	3617517	NonCancer	7.44E-04	2.53E-06	4.68E-04	0.00E+00	0.00E+00	4.68E-04	2.53E-06	0.00E+00	2.53E-06	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	7.44E-04
1428	ALL	489559.6	3617522	NonCancer	7.57E-04	2.57E-06	4.76E-04	0.00E+00	0.00E+00	4.76E-04	2.57E-06	0.00E+00	2.57E-06	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	7.57E-04
1429	ALL	489537.3	3617527	NonCancer	7.22E-04	2.45E-06	4.54E-04	0.00E+00	0.00E+00	4.54E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	7.22E-04
1430	ALL	489515.1	3617532	NonCancer	6.50E-04	2.21E-06	4.09E-04	0.00E+00	0.00E+00	4.09E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	6.50E-04
1431	ALL	489492.8	3617536	NonCancer	5.74E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.74E-04
1432	ALL	489470.6	3617541	NonCancer	5.84E-04	1.99E-06	3.68E-04	0.00E+00	0.00E+00	3.68E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	5.84E-04
1433	ALL	489448.3	3617546	NonCancer	6.50E-04	2.21E-06	4.09E-04	0.00E+00	0.00E+00	4.09E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	6.50E-04
1434	ALL	489426.1	3617551	NonCancer	7.08E-04	2.41E-06	4.46E-04	0.00E+00	0.00E+00	4.46E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	7.08E-04
1435	ALL	489403.8	3617556	NonCancer	7.45E-04	2.53E-06	4.69E-04	0.00E+00	0.00E+00	4.69E-04	2.53E-06	0.00E+00	2.53E-06	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	7.45E-04
1436	ALL	489381.5	3617560	NonCancer	7.60E-04	2.58E-06	4.79E-04	0.00E+00	0.00E+00	4.79E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	7.60E-04
1437	ALL	489359.3	3617565	NonCancer	7.62E-04	2.59E-06	4.80E-04	0.00E+00	0.00E+00	4.80E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	7.62E-04
1438	ALL	489337	3617570	NonCancer	7.78E-04	2.64E-06	4.90E-04	0.00E+00	0.00E+00	4.90E-04	2.64E-06	0.00E+00	2.64E-06	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	7.78E-04
1439	ALL	489314.8	3617575	NonCancer	7.61E-04	2.59E-06	4.79E-04	0.00E+00	0.00E+00	4.79E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	7.61E-04
1440	ALL	489292.5	3617580	NonCancer	7.48E-04	2.54E-06	4.71E-04	0.00E+00	0.00E+00	4.71E-04	2.54E-06	0.00E+00	2.54E-06	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	7.48E-04
1441	ALL	489270.3	3617584	NonCancer	7.22E-04	2.46E-06	4.55E-04	0.00E+00	0.00E+00	4.55E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	7.22E-04
1442	ALL	489248	3617589	NonCancer	7.73E-04	2.63E-06	4.86E-04	0.00E+00	0.00E+00	4.86E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	7.73E-04
1443	ALL	489225.8	3617594	NonCancer	8.20E-04	2.79E-06	5.16E-04	0.00E+00	0.00E+00	5.16E-04	2.79E-06	0.00E+00	2.79E-06	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	8.20E-04
1444	ALL	489203.5	3617599	NonCancer	8.33E-04	2.83E-06	5.24E-04	0.00E+00	0.00E+00	5.24E-04	2.83E-06	0.00E+00	2.83E-06	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	8.33E-04
1445	ALL	489181.3	3617604	NonCancer	8.27E-04	2.81E-06	5.20E-04	0.00E+00	0.00E+00	5.20E-04	2.81E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	8.27E-04
1446	ALL	489159	3617608	NonCancer	8.23E-04	2.80E-06	5.18E-04	0.00E+00	0.00E+00	5.18E-04	2.80E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	8.23E-04
1447	ALL	489136.7	3617613	NonCancer	8.05E-04	2.74E-06	5.07E-04	0.00E+00	0.00E+00	5.07E-04	2.74E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	8.05E-04
1448	ALL	489114.5	3617618	NonCancer	7.69E-04	2.61E-06	4.84E-04	0.00E+00	0.00E+00	4.84E-04	2.61E-06	0.00E+00	2.61E-06	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	7.69E-04
1449	ALL	489092.2	3617623	NonCancer	7.23E-04	2.46E-06	4.55E-04	0.00E+00	0.00E+00	4.55E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	7.23E-04
1450	ALL	490849.1	3617241	NonCancer	7.14E-04	2.43E-06	4.49E-04	0.00E+00	0.00E+00	4.49E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	7.14E-04
1451	ALL	491025	3617597	NonCancer	3.89E-04	1.32E-06	2.45E-04	0.00E+00	0.00E+00	2.45E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	3.89E-04
1452	ALL	491002.7	3617602	NonCancer	4.39E-04	1.49E-06	2.76E-04	0.00E+00	0.00E+00	2.76E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	4.39E-04
1453	ALL	490980.5	3617607	NonCancer	4.26E-04	1.45E-06	2.68E-04	0.00E+00	0.00E+00	2.68E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	4.26E-04
1454	ALL	490958.2	3617611	NonCancer	4.19E-04	1.42E-06	2.64E-04	0.00E+00	0.00E+00	2.64E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.19E-04
1455	ALL	490936	3617616	NonCancer	4.43E-04	1.51E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.43E-04

1456	ALL	490913.7	3617621	NonCancer	4.69E-04	1.59E-06	2.95E-04	0.00E+00	0.00E+00	2.95E-04	1.59E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	4.69E-04
1457	ALL	490891.5	3617626	NonCancer	4.91E-04	1.67E-06	3.09E-04	0.00E+00	0.00E+00	3.09E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	4.91E-04
1458	ALL	490869.3	3617631	NonCancer	5.04E-04	1.71E-06	3.18E-04	0.00E+00	0.00E+00	3.18E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	5.04E-04
1459	ALL	490847	3617635	NonCancer	5.52E-04	1.88E-06	3.48E-04	0.00E+00	0.00E+00	3.48E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	5.52E-04
1460	ALL	490824.8	3617640	NonCancer	5.72E-04	1.94E-06	3.60E-04	0.00E+00	0.00E+00	3.60E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	5.72E-04
1461	ALL	490802.5	3617645	NonCancer	5.84E-04	1.99E-06	3.68E-04	0.00E+00	0.00E+00	3.68E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	5.84E-04
1462	ALL	490780.3	3617650	NonCancer	6.02E-04	2.05E-06	3.79E-04	0.00E+00	0.00E+00	3.79E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	6.02E-04
1463	ALL	490758	3617655	NonCancer	6.28E-04	2.13E-06	3.95E-04	0.00E+00	0.00E+00	3.95E-04	2.13E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	6.28E-04
1464	ALL	490735.8	3617659	NonCancer	6.34E-04	2.16E-06	3.99E-04	0.00E+00	0.00E+00	3.99E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	6.34E-04
1465	ALL	490713.5	3617664	NonCancer	6.14E-04	2.09E-06	3.86E-04	0.00E+00	0.00E+00	3.86E-04	2.09E-06	0.00E+00	2.09E-06	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	6.14E-04
1466	ALL	490691.3	3617669	NonCancer	5.80E-04	1.97E-06	3.65E-04	0.00E+00	0.00E+00	3.65E-04	1.97E-06	0.00E+00	1.97E-06	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	5.80E-04
1467	ALL	490669	3617674	NonCancer	5.31E-04	1.81E-06	3.34E-04	0.00E+00	0.00E+00	3.34E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	5.31E-04
1468	ALL	490646.8	3617679	NonCancer	5.48E-04	1.86E-06	3.45E-04	0.00E+00	0.00E+00	3.45E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	5.48E-04
1469	ALL	490624.5	3617683	NonCancer	5.98E-04	2.03E-06	3.77E-04	0.00E+00	0.00E+00	3.77E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	5.98E-04
1470	ALL	490602.3	3617688	NonCancer	6.50E-04	2.21E-06	4.09E-04	0.00E+00	0.00E+00	4.09E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	6.50E-04
1471	ALL	490580	3617693	NonCancer	6.84E-04	2.33E-06	4.31E-04	0.00E+00	0.00E+00	4.31E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	6.84E-04
1472	ALL	490557.8	3617698	NonCancer	7.00E-04	2.38E-06	4.41E-04	0.00E+00	0.00E+00	4.41E-04	2.38E-06	0.00E+00	2.38E-06	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	7.00E-04
1473	ALL	490535.5	3617702	NonCancer	7.02E-04	2.39E-06	4.42E-04	0.00E+00	0.00E+00	4.42E-04	2.39E-06	0.00E+00	2.39E-06	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	7.02E-04
1474	ALL	490513.3	3617707	NonCancer	6.85E-04	2.33E-06	4.31E-04	0.00E+00	0.00E+00	4.31E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	6.85E-04
1475	ALL	490491	3617712	NonCancer	6.48E-04	2.20E-06	4.08E-04	0.00E+00	0.00E+00	4.08E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	6.48E-04
1476	ALL	490468.8	3617717	NonCancer	5.98E-04	2.03E-06	3.77E-04	0.00E+00	0.00E+00	3.77E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	5.98E-04
1477	ALL	490446.5	3617722	NonCancer	5.43E-04	1.85E-06	3.42E-04	0.00E+00	0.00E+00	3.42E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	5.43E-04
1478	ALL	490424.3	3617726	NonCancer	5.55E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.55E-04
1479	ALL	490402	3617731	NonCancer	6.03E-04	2.05E-06	3.79E-04	0.00E+00	0.00E+00	3.79E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	6.03E-04
1480	ALL	490379.8	3617736	NonCancer	6.29E-04	2.14E-06	3.96E-04	0.00E+00	0.00E+00	3.96E-04	2.14E-06	0.00E+00	2.14E-06	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	6.29E-04
1481	ALL	490357.6	3617741	NonCancer	6.36E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.36E-04
1482	ALL	490335.3	3617746	NonCancer	6.36E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.36E-04
1483	ALL	490313.1	3617750	NonCancer	6.29E-04	2.14E-06	3.96E-04	0.00E+00	0.00E+00	3.96E-04	2.14E-06	0.00E+00	2.14E-06	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	6.29E-04
1484	ALL	490290.8	3617755	NonCancer	6.03E-04	2.05E-06	3.79E-04	0.00E+00	0.00E+00	3.79E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	6.03E-04
1485	ALL	490268.6	3617760	NonCancer	5.12E-04	1.74E-06	3.22E-04	0.00E+00	0.00E+00	3.22E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.12E-04
1486	ALL	490246.3	3617765	NonCancer	3.16E-04	1.07E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.16E-04
1487	ALL	490224.1	3617770	NonCancer	5.05E-04	1.72E-06	3.18E-04	0.00E+00	0.00E+00	3.18E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	5.05E-04
1488	ALL	490201.8	3617774	NonCancer	5.05E-04	1.72E-06	3.18E-04	0.00E+00	0.00E+00	3.18E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	5.05E-04
1489	ALL	490179.6	3617779	NonCancer	4.96E-04	1.69E-06	3.12E-04	0.00E+00	0.00E+00	3.12E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	4.96E-04
1490	ALL	490157.3	3617784	NonCancer	4.83E-04	1.64E-06	3.04E-04	0.00E+00	0.00E+00	3.04E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	4.83E-04
1491	ALL	490135.1	3617789	NonCancer	5.56E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.56E-04
1492	ALL	490112.8	3617794	NonCancer	6.50E-04	2.21E-06	4.09E-04	0.00E+00	0.00E+00	4.09E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	6.50E-04
1493	ALL	490090.6	3617798	NonCancer	6.79E-04	2.31E-06	4.28E-04	0.00E+00	0.00E+00	4.28E-04	2.31E-06	0.00E+00	2.31E-06	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	6.79E-04
1494	ALL	490068.3	3617803	NonCancer	6.98E-04	2.37E-06	4.39E-04	0.00E+00	0.00E+00	4.39E-04	2.37E-06	0.00E+00	2.37E-06	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	6.98E-04
1495	ALL	490046.1	3617808	NonCancer	7.00E-04	2.38E-06	4.41E-04	0.00E+00	0.00E+00	4.41E-04	2.38E-06	0.00E+00	2.38E-06	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	7.00E-04
1496	ALL	490023.8	3617813	NonCancer	6.88E-04	2.34E-06	4.33E-04	0.00E+00	0.00E+00	4.33E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	6.88E-04
1497	ALL	490001.6	3617817	NonCancer	6.63E-04	2.25E-06	4.17E-04	0.00E+00	0.00E+00	4.17E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	6.63E-04
1498	ALL	489979.3	3617822	NonCancer	6.91E-04	2.35E-06	4.35E-04	0.00E+00	0.00E+00	4.35E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	6.91E-04
1499	ALL	489957.1	3617827	NonCancer	7.21E-04	2.45E-06	4.54E-04	0.00E+00	0.00E+00	4.54E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	7.21E-04
1500	ALL	489934.8	3617832	NonCancer	7.34E-04	2.49E-06	4.62E-04	0.00E+00	0.00E+00	4.62E-04	2.49E-06	0.00E+00	2.49E-06	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	7.34E-04
1501	ALL	489912.6	3617837	NonCancer	7.25E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.25E-04
1502	ALL	489890.3	3617841	NonCancer	7.05E-04	2.40E-06	4.44E-04	0.00E+00	0.00E+00	4.44E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	7.05E-04
1503	ALL	489868.1	3617846	NonCancer	6.50E-04	2.21E-06	4.09E-04	0.00E+00	0.00E+00	4.09E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	6.50E-04
1504	ALL	489845.9	3617851	NonCancer	6.27E-04	2.13E-06	3.94E-04	0.00E+00	0.00E+00	3.94E-04	2.13E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	6.27E-04
1505	ALL	489823.6	3617856	NonCancer	6.37E-04	2.17E-06	4.01E-04	0.00E+00	0.00E+00	4.01E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	6.37E-04
1506	ALL	489801.4	3617861	NonCancer	6.52E-04	2.22E-06	4.10E-04	0.00E+00	0.00E+00	4.10E-04	2.22E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	6.52E-04
1507	ALL	489779.1	3617865	NonCancer	6.45E-04	2.19E-06	4.06E-04	0.00E+00	0.00E+00	4.06E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	6.45E-04

1508	ALL	489756.9	3617870	NonCancer	6.90E-04	2.35E-06	4.35E-04	0.00E+00	0.00E+00	4.35E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	6.90E-04
1509	ALL	489734.6	3617875	NonCancer	7.01E-04	2.38E-06	4.41E-04	0.00E+00	0.00E+00	4.41E-04	2.38E-06	0.00E+00	2.38E-06	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	7.01E-04
1510	ALL	489712.4	3617880	NonCancer	7.03E-04	2.39E-06	4.43E-04	0.00E+00	0.00E+00	4.43E-04	2.39E-06	0.00E+00	2.39E-06	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	7.03E-04
1511	ALL	489690.1	3617885	NonCancer	6.83E-04	2.32E-06	4.30E-04	0.00E+00	0.00E+00	4.30E-04	2.32E-06	0.00E+00	2.32E-06	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	6.83E-04
1512	ALL	489667.9	3617889	NonCancer	6.42E-04	2.18E-06	4.04E-04	0.00E+00	0.00E+00	4.04E-04	2.18E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	6.42E-04
1513	ALL	489645.6	3617894	NonCancer	6.49E-04	2.21E-06	4.08E-04	0.00E+00	0.00E+00	4.08E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	6.49E-04
1514	ALL	489623.4	3617899	NonCancer	6.50E-04	2.21E-06	4.09E-04	0.00E+00	0.00E+00	4.09E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	6.50E-04
1515	ALL	489601.1	3617904	NonCancer	5.96E-04	2.03E-06	3.75E-04	0.00E+00	0.00E+00	3.75E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	5.96E-04
1516	ALL	489578.9	3617909	NonCancer	5.56E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.56E-04
1517	ALL	489556.6	3617913	NonCancer	4.97E-04	1.69E-06	3.13E-04	0.00E+00	0.00E+00	3.13E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	4.97E-04
1518	ALL	489534.4	3617918	NonCancer	4.26E-04	1.45E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.26E-04
1519	ALL	489512.1	3617923	NonCancer	3.70E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.70E-04
1520	ALL	489489.9	3617928	NonCancer	4.10E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.10E-04
1521	ALL	489467.6	3617932	NonCancer	4.46E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.46E-04
1522	ALL	489445.4	3617937	NonCancer	4.81E-04	1.63E-06	3.03E-04	0.00E+00	0.00E+00	3.03E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	4.81E-04
1523	ALL	489423.1	3617942	NonCancer	5.02E-04	1.71E-06	3.16E-04	0.00E+00	0.00E+00	3.16E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	5.02E-04
1524	ALL	489400.9	3617947	NonCancer	5.10E-04	1.74E-06	3.21E-04	0.00E+00	0.00E+00	3.21E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	5.10E-04
1525	ALL	489378.6	3617952	NonCancer	5.27E-04	1.79E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.27E-04
1526	ALL	489356.4	3617956	NonCancer	5.49E-04	1.87E-06	3.45E-04	0.00E+00	0.00E+00	3.45E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	5.49E-04
1527	ALL	489334.1	3617961	NonCancer	5.52E-04	1.88E-06	3.48E-04	0.00E+00	0.00E+00	3.48E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	5.52E-04
1528	ALL	489311.9	3617966	NonCancer	5.45E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.45E-04
1529	ALL	489289.7	3617971	NonCancer	5.55E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.55E-04
1530	ALL	489267.4	3617976	NonCancer	5.72E-04	1.94E-06	3.60E-04	0.00E+00	0.00E+00	3.60E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	5.72E-04
1531	ALL	489245.2	3617980	NonCancer	6.07E-04	2.06E-06	3.82E-04	0.00E+00	0.00E+00	3.82E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	6.07E-04
1532	ALL	489222.9	3617985	NonCancer	6.73E-04	2.29E-06	4.24E-04	0.00E+00	0.00E+00	4.24E-04	2.29E-06	0.00E+00	2.29E-06	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	6.73E-04
1533	ALL	489200.7	3617990	NonCancer	7.38E-04	2.51E-06	4.65E-04	0.00E+00	0.00E+00	4.65E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	7.38E-04
1534	ALL	489178.4	3617995	NonCancer	7.88E-04	2.68E-06	4.96E-04	0.00E+00	0.00E+00	4.96E-04	2.68E-06	0.00E+00	2.68E-06	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	7.88E-04
1535	ALL	489156.2	3618000	NonCancer	8.01E-04	2.72E-06	5.04E-04	0.00E+00	0.00E+00	5.04E-04	2.72E-06	0.00E+00	2.72E-06	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	8.01E-04
1536	ALL	489133.9	3618004	NonCancer	7.99E-04	2.72E-06	5.03E-04	0.00E+00	0.00E+00	5.03E-04	2.72E-06	0.00E+00	2.72E-06	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	7.99E-04
1537	ALL	489111.7	3618009	NonCancer	7.73E-04	2.63E-06	4.87E-04	0.00E+00	0.00E+00	4.87E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	7.73E-04
1538	ALL	489089.4	3618014	NonCancer	7.20E-04	2.45E-06	4.53E-04	0.00E+00	0.00E+00	4.53E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	7.20E-04
1539	ALL	489067.2	3618019	NonCancer	6.37E-04	2.16E-06	4.01E-04	0.00E+00	0.00E+00	4.01E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	6.37E-04
1540	ALL	489044.9	3618024	NonCancer	5.45E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.45E-04
1541	ALL	489022.7	3618028	NonCancer	5.05E-04	1.72E-06	3.18E-04	0.00E+00	0.00E+00	3.18E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	5.05E-04
1542	ALL	489000.4	3618033	NonCancer	4.65E-04	1.58E-06	2.93E-04	0.00E+00	0.00E+00	2.93E-04	1.58E-06	0.00E+00	1.58E-06	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	4.65E-04
1543	ALL	488967.1	3618040	NonCancer	5.89E-04	2.00E-06	3.71E-04	0.00E+00	0.00E+00	3.71E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	5.89E-04
1544	ALL	488922.6	3618050	NonCancer	5.39E-04	1.83E-06	3.39E-04	0.00E+00	0.00E+00	3.39E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	5.39E-04
1545	ALL	488878.1	3618059	NonCancer	5.90E-04	2.00E-06	3.71E-04	0.00E+00	0.00E+00	3.71E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	5.90E-04
1546	ALL	491046	3617589	NonCancer	3.65E-04	1.24E-06	2.30E-04	0.00E+00	0.00E+00	2.30E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	3.65E-04
1547	ALL	489195.6	3614261	NonCancer	7.25E-02	2.47E-04	4.56E-02	0.00E+00	0.00E+00	4.56E-02	2.47E-04	0.00E+00	2.47E-04	0.00E+00	0.00E+00	4.56E-02	0.00E+00	0.00E+00	7.25E-02
1548	ALL	489223.5	3614267	NonCancer	2.29E-02	7.78E-05	1.44E-02	0.00E+00	0.00E+00	1.44E-02	7.78E-05	0.00E+00	7.78E-05	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.29E-02
1549	ALL	489246.8	3614273	NonCancer	1.28E-02	4.37E-05	8.09E-03	0.00E+00	0.00E+00	8.09E-03	4.37E-05	0.00E+00	4.37E-05	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00	1.28E-02
1550	ALL	489243.6	3614247	NonCancer	2.03E-02	6.89E-05	1.28E-02	0.00E+00	0.00E+00	1.28E-02	6.89E-05	0.00E+00	6.89E-05	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.03E-02
1551	ALL	489270.8	3614267	NonCancer	1.19E-02	4.05E-05	7.50E-03	0.00E+00	0.00E+00	7.50E-03	4.05E-05	0.00E+00	4.05E-05	0.00E+00	0.00E+00	7.50E-03	0.00E+00	0.00E+00	1.19E-02
1552	ALL	489267.6	3614240	NonCancer	1.32E-02	4.49E-05	8.32E-03	0.00E+00	0.00E+00	8.32E-03	4.49E-05	0.00E+00	4.49E-05	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.32E-02
1553	ALL	489318.8	3614252	NonCancer	8.03E-03	2.73E-05	5.06E-03	0.00E+00	0.00E+00	5.06E-03	2.73E-05	0.00E+00	2.73E-05	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	8.03E-03
1554	ALL	489317.6	3614276	NonCancer	6.97E-03	2.37E-05	4.39E-03	0.00E+00	0.00E+00	4.39E-03	2.37E-05	0.00E+00	2.37E-05	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	6.97E-03
1555	ALL	489315	3614326	NonCancer	6.90E-03	2.35E-05	4.35E-03	0.00E+00	0.00E+00	4.35E-03	2.35E-05	0.00E+00	2.35E-05	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00	6.90E-03
1556	ALL	489315.6	3614226	NonCancer	6.23E-03	2.12E-05	3.92E-03	0.00E+00	0.00E+00	3.92E-03	2.12E-05	0.00E+00	2.12E-05	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	6.23E-03
1557	ALL	489366.8	3614239	NonCancer	4.86E-03	1.65E-05	3.06E-03	0.00E+00	0.00E+00	3.06E-03	1.65E-05	0.00E+00	1.65E-05	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	4.86E-03
1558	ALL	489365.4	3614265	NonCancer	5.39E-03	1.83E-05	3.39E-03	0.00E+00	0.00E+00	3.39E-03	1.83E-05	0.00E+00	1.83E-05	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	5.39E-03
1559	ALL	489362.1	3614330	NonCancer	3.48E-03	1.18E-05	2.19E-03	0.00E+00	0.00E+00	2.19E-03	1.18E-05	0.00E+00	1.18E-05	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	3.48E-03

1560	ALL	489343.3	3614376	NonCancer	7.34E-03	2.49E-05	4.62E-03	0.00E+00	0.00E+00	4.62E-03	2.49E-05	0.00E+00	2.49E-05	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	7.34E-03
1561	ALL	489363.6	3614212	NonCancer	4.49E-03	1.53E-05	2.83E-03	0.00E+00	0.00E+00	2.83E-03	1.53E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	4.49E-03
1562	ALL	489414.8	3614225	NonCancer	3.10E-03	1.05E-05	1.95E-03	0.00E+00	0.00E+00	1.95E-03	1.05E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.10E-03
1563	ALL	489413.4	3614252	NonCancer	3.97E-03	1.35E-05	2.50E-03	0.00E+00	0.00E+00	2.50E-03	1.35E-05	0.00E+00	1.35E-05	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	3.97E-03
1564	ALL	489412	3614280	NonCancer	3.88E-03	1.32E-05	2.45E-03	0.00E+00	0.00E+00	2.45E-03	1.32E-05	0.00E+00	1.32E-05	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	3.88E-03
1565	ALL	489408.4	3614348	NonCancer	2.59E-03	8.80E-06	1.63E-03	0.00E+00	0.00E+00	1.63E-03	8.80E-06	0.00E+00	8.80E-06	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	2.59E-03
1566	ALL	489388.9	3614396	NonCancer	5.08E-03	1.73E-05	3.20E-03	0.00E+00	0.00E+00	3.20E-03	1.73E-05	0.00E+00	1.73E-05	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.08E-03
1567	ALL	489370.8	3614417	NonCancer	5.74E-03	1.95E-05	3.61E-03	0.00E+00	0.00E+00	3.61E-03	1.95E-05	0.00E+00	1.95E-05	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	5.74E-03
1568	ALL	489307.6	3614489	NonCancer	3.73E-03	1.27E-05	2.35E-03	0.00E+00	0.00E+00	2.35E-03	1.27E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	3.73E-03
1569	ALL	489411.6	3614198	NonCancer	3.42E-03	1.16E-05	2.15E-03	0.00E+00	0.00E+00	2.15E-03	1.16E-05	0.00E+00	1.16E-05	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.42E-03
1570	ALL	489462.8	3614211	NonCancer	2.12E-03	7.21E-06	1.33E-03	0.00E+00	0.00E+00	1.33E-03	7.21E-06	0.00E+00	7.21E-06	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.12E-03
1571	ALL	489461.5	3614237	NonCancer	2.74E-03	9.33E-06	1.73E-03	0.00E+00	0.00E+00	1.73E-03	9.33E-06	0.00E+00	9.33E-06	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	2.74E-03
1572	ALL	489460.1	3614263	NonCancer	3.16E-03	1.07E-05	1.99E-03	0.00E+00	0.00E+00	1.99E-03	1.07E-05	0.00E+00	1.07E-05	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	3.16E-03
1573	ALL	489458.7	3614289	NonCancer	2.96E-03	1.01E-05	1.87E-03	0.00E+00	0.00E+00	1.87E-03	1.01E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	2.96E-03
1574	ALL	489456	3614342	NonCancer	2.06E-03	7.02E-06	1.30E-03	0.00E+00	0.00E+00	1.30E-03	7.02E-06	0.00E+00	7.02E-06	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.06E-03
1575	ALL	489454	3614381	NonCancer	1.94E-03	6.58E-06	1.22E-03	0.00E+00	0.00E+00	1.22E-03	6.58E-06	0.00E+00	6.58E-06	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	1.94E-03
1576	ALL	489444.6	3614404	NonCancer	2.65E-03	9.00E-06	1.67E-03	0.00E+00	0.00E+00	1.67E-03	9.00E-06	0.00E+00	9.00E-06	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	2.65E-03
1577	ALL	489427.3	3614424	NonCancer	4.06E-03	1.38E-05	2.56E-03	0.00E+00	0.00E+00	2.56E-03	1.38E-05	0.00E+00	1.38E-05	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.06E-03
1578	ALL	489340.5	3614523	NonCancer	2.61E-03	8.86E-06	1.64E-03	0.00E+00	0.00E+00	1.64E-03	8.86E-06	0.00E+00	8.86E-06	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	2.61E-03
1579	ALL	489459.6	3614184	NonCancer	2.70E-03	9.19E-06	1.70E-03	0.00E+00	0.00E+00	1.70E-03	9.19E-06	0.00E+00	9.19E-06	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	2.70E-03
1580	ALL	489558.8	3614183	NonCancer	1.58E-03	5.36E-06	9.93E-04	0.00E+00	0.00E+00	9.93E-04	5.36E-06	0.00E+00	5.36E-06	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	1.58E-03
1581	ALL	489557.4	3614211	NonCancer	1.40E-03	4.75E-06	8.80E-04	0.00E+00	0.00E+00	8.80E-04	4.75E-06	0.00E+00	4.75E-06	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	1.40E-03
1582	ALL	489555.9	3614239	NonCancer	1.82E-03	6.20E-06	1.15E-03	0.00E+00	0.00E+00	1.15E-03	6.20E-06	0.00E+00	6.20E-06	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	1.82E-03
1583	ALL	489554.5	3614266	NonCancer	2.09E-03	7.11E-06	1.32E-03	0.00E+00	0.00E+00	1.32E-03	7.11E-06	0.00E+00	7.11E-06	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.09E-03
1584	ALL	489553.1	3614294	NonCancer	2.04E-03	6.94E-06	1.28E-03	0.00E+00	0.00E+00	1.28E-03	6.94E-06	0.00E+00	6.94E-06	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.04E-03
1585	ALL	489547.4	3614404	NonCancer	1.25E-03	4.24E-06	7.85E-04	0.00E+00	0.00E+00	7.85E-04	4.24E-06	0.00E+00	4.24E-06	0.00E+00	0.00E+00	7.85E-04	0.00E+00	0.00E+00	1.25E-03
1586	ALL	489536.8	3614442	NonCancer	1.27E-03	4.33E-06	8.01E-04	0.00E+00	0.00E+00	8.01E-04	4.33E-06	0.00E+00	4.33E-06	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	1.27E-03
1587	ALL	489518.5	3614463	NonCancer	2.13E-03	7.25E-06	1.34E-03	0.00E+00	0.00E+00	1.34E-03	7.25E-06	0.00E+00	7.25E-06	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.13E-03
1588	ALL	489500.3	3614484	NonCancer	2.95E-03	1.00E-05	1.85E-03	0.00E+00	0.00E+00	1.85E-03	1.00E-05	0.00E+00	1.00E-05	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	2.95E-03
1589	ALL	489472.9	3614515	NonCancer	3.06E-03	1.04E-05	1.93E-03	0.00E+00	0.00E+00	1.93E-03	1.04E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.06E-03
1590	ALL	489555.6	3614156	NonCancer	1.84E-03	6.25E-06	1.16E-03	0.00E+00	0.00E+00	1.16E-03	6.25E-06	0.00E+00	6.25E-06	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	1.84E-03
1591	ALL	489654.8	3614155	NonCancer	2.18E-03	7.41E-06	1.37E-03	0.00E+00	0.00E+00	1.37E-03	7.41E-06	0.00E+00	7.41E-06	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.18E-03
1592	ALL	489653.4	3614183	NonCancer	9.86E-04	3.35E-06	6.20E-04	0.00E+00	0.00E+00	6.20E-04	3.35E-06	0.00E+00	3.35E-06	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	9.86E-04
1593	ALL	489652	3614210	NonCancer	1.01E-03	3.43E-06	6.35E-04	0.00E+00	0.00E+00	6.35E-04	3.43E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	1.01E-03
1594	ALL	489650.6	3614237	NonCancer	3.80E-03	1.29E-05	2.39E-03	0.00E+00	0.00E+00	2.39E-03	1.29E-05	0.00E+00	1.29E-05	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	3.80E-03
1595	ALL	489649.2	3614265	NonCancer	4.54E-03	1.54E-05	2.86E-03	0.00E+00	0.00E+00	2.86E-03	1.54E-05	0.00E+00	1.54E-05	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	4.54E-03
1596	ALL	489647.8	3614292	NonCancer	1.49E-03	5.08E-06	9.41E-04	0.00E+00	0.00E+00	9.41E-04	5.08E-06	0.00E+00	5.08E-06	0.00E+00	0.00E+00	9.41E-04	0.00E+00	0.00E+00	1.49E-03
1597	ALL	489646.3	3614319	NonCancer	1.37E-03	4.64E-06	8.59E-04	0.00E+00	0.00E+00	8.59E-04	4.64E-06	0.00E+00	4.64E-06	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00	1.37E-03
1598	ALL	489640.7	3614429	NonCancer	8.83E-04	3.00E-06	5.56E-04	0.00E+00	0.00E+00	5.56E-04	3.00E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	8.83E-04
1599	ALL	489639.3	3614456	NonCancer	8.97E-04	3.05E-06	5.65E-04	0.00E+00	0.00E+00	5.65E-04	3.05E-06	0.00E+00	3.05E-06	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	8.97E-04
1600	ALL	489629.5	3614480	NonCancer	8.88E-04	3.02E-06	5.59E-04	0.00E+00	0.00E+00	5.59E-04	3.02E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	8.88E-04
1601	ALL	489611.5	3614501	NonCancer	1.12E-03	3.82E-06	7.07E-04	0.00E+00	0.00E+00	7.07E-04	3.82E-06	0.00E+00	3.82E-06	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	1.12E-03
1602	ALL	489593.4	3614521	NonCancer	1.67E-03	5.68E-06	1.05E-03	0.00E+00	0.00E+00	1.05E-03	5.68E-06	0.00E+00	5.68E-06	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.67E-03
1603	ALL	489575.3	3614542	NonCancer	4.10E-03	1.39E-05	2.58E-03	0.00E+00	0.00E+00	2.58E-03	1.39E-05	0.00E+00	1.39E-05	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.10E-03
1604	ALL	489457.7	3614675	NonCancer	1.03E-03	3.50E-06	6.48E-04	0.00E+00	0.00E+00	6.48E-04	3.50E-06	0.00E+00	3.50E-06	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	1.03E-03
1605	ALL	489651.6	3614128	NonCancer	1.35E-03	4.58E-06	8.48E-04	0.00E+00	0.00E+00	8.48E-04	4.58E-06	0.00E+00	4.58E-06	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	1.35E-03
1606	ALL	489750.8	3614127	NonCancer	9.98E-04	3.39E-06	6.28E-04	0.00E+00	0.00E+00	6.28E-04	3.39E-06	0.00E+00	3.39E-06	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	9.98E-04
1607	ALL	489749.4	3614154	NonCancer	8.63E-04	2.93E-06	5.43E-04	0.00E+00	0.00E+00	5.43E-04	2.93E-06	0.00E+00	2.93E-06	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	8.63E-04
1608	ALL	489748	3614182	NonCancer	7.43E-04	2.53E-06	4.68E-04	0.00E+00	0.00E+00	4.68E-04	2.53E-06	0.00E+00	2.53E-06	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	7.43E-04
1609	ALL	489746.6	3614209	NonCancer	7.81E-04	2.65E-06	4.92E-04	0.00E+00	0.00E+00	4.92E-04	2.65E-06	0.00E+00	2.65E-06	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	7.81E-04
1610	ALL	489745.2	3614236	NonCancer	9.87E-04	3.36E-06	6.21E-04	0.00E+00	0.00E+00	6.21E-04	3.36E-06	0.00E+00	3.36E-06	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	9.87E-04
1611	ALL	489743.8	3614263	NonCancer	1.13E-03	3.84E-06	7.12E-04	0.00E+00	0.00E+00	7.12E-04	3.84E-06	0.00E+00	3.84E-06	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00	1.13E-03

1612	ALL	489742.4	3614290	NonCancer	1.20E-03	4.06E-06	7.53E-04	0.00E+00	0.00E+00	7.53E-04	4.06E-06	0.00E+00	4.06E-06	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00	1.20E-03
1613	ALL	489741	3614317	NonCancer	1.15E-03	3.92E-06	7.25E-04	0.00E+00	0.00E+00	7.25E-04	3.92E-06	0.00E+00	3.92E-06	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	1.15E-03
1614	ALL	489735.4	3614426	NonCancer	7.20E-04	2.45E-06	4.53E-04	0.00E+00	0.00E+00	4.53E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	7.20E-04
1615	ALL	489734	3614453	NonCancer	7.06E-04	2.40E-06	4.44E-04	0.00E+00	0.00E+00	4.44E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	7.06E-04
1616	ALL	489732.6	3614480	NonCancer	6.90E-04	2.35E-06	4.35E-04	0.00E+00	0.00E+00	4.35E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	6.90E-04
1617	ALL	489722.2	3614518	NonCancer	6.80E-04	2.31E-06	4.28E-04	0.00E+00	0.00E+00	4.28E-04	2.31E-06	0.00E+00	2.31E-06	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	6.80E-04
1618	ALL	489704.3	3614538	NonCancer	6.91E-04	2.35E-06	4.35E-04	0.00E+00	0.00E+00	4.35E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	6.91E-04
1619	ALL	489686.3	3614559	NonCancer	1.01E-03	3.43E-06	6.35E-04	0.00E+00	0.00E+00	6.35E-04	3.43E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	1.01E-03
1620	ALL	489668.4	3614579	NonCancer	1.41E-03	4.81E-06	8.90E-04	0.00E+00	0.00E+00	8.90E-04	4.81E-06	0.00E+00	4.81E-06	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	1.41E-03
1621	ALL	489650.4	3614599	NonCancer	1.75E-03	5.96E-06	1.10E-03	0.00E+00	0.00E+00	1.10E-03	5.96E-06	0.00E+00	5.96E-06	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	1.75E-03
1622	ALL	489632.4	3614620	NonCancer	1.89E-03	6.44E-06	1.19E-03	0.00E+00	0.00E+00	1.19E-03	6.44E-06	0.00E+00	6.44E-06	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	1.89E-03
1623	ALL	489515.7	3614753	NonCancer	7.40E-04	2.52E-06	4.66E-04	0.00E+00	0.00E+00	4.66E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	7.40E-04
1624	ALL	489747.6	3614100	NonCancer	1.05E-03	3.58E-06	6.62E-04	0.00E+00	0.00E+00	6.62E-04	3.58E-06	0.00E+00	3.58E-06	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	1.05E-03
1625	ALL	489846.8	3614099	NonCancer	8.19E-04	2.79E-06	5.16E-04	0.00E+00	0.00E+00	5.16E-04	2.79E-06	0.00E+00	2.79E-06	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	8.19E-04
1626	ALL	489845.4	3614126	NonCancer	7.38E-04	2.51E-06	4.65E-04	0.00E+00	0.00E+00	4.65E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	7.38E-04
1627	ALL	489844.1	3614153	NonCancer	6.14E-04	2.09E-06	3.86E-04	0.00E+00	0.00E+00	3.86E-04	2.09E-06	0.00E+00	2.09E-06	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	6.14E-04
1628	ALL	489842.7	3614180	NonCancer	5.65E-04	1.92E-06	3.55E-04	0.00E+00	0.00E+00	3.55E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	5.65E-04
1629	ALL	489841.3	3614207	NonCancer	6.32E-04	2.15E-06	3.98E-04	0.00E+00	0.00E+00	3.98E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	6.32E-04
1630	ALL	489839.9	3614234	NonCancer	7.66E-04	2.60E-06	4.82E-04	0.00E+00	0.00E+00	4.82E-04	2.60E-06	0.00E+00	2.60E-06	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	7.66E-04
1631	ALL	489838.5	3614261	NonCancer	8.82E-04	3.00E-06	5.55E-04	0.00E+00	0.00E+00	5.55E-04	3.00E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	8.82E-04
1632	ALL	489837.1	3614288	NonCancer	9.47E-04	3.22E-06	5.96E-04	0.00E+00	0.00E+00	5.96E-04	3.22E-06	0.00E+00	3.22E-06	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	9.47E-04
1633	ALL	489835.7	3614315	NonCancer	9.45E-04	3.21E-06	5.95E-04	0.00E+00	0.00E+00	5.95E-04	3.21E-06	0.00E+00	3.21E-06	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	9.45E-04
1634	ALL	489834.3	3614342	NonCancer	8.78E-04	2.98E-06	5.52E-04	0.00E+00	0.00E+00	5.52E-04	2.98E-06	0.00E+00	2.98E-06	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	8.78E-04
1635	ALL	489828	3614464	NonCancer	5.56E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.56E-04
1636	ALL	489826.6	3614491	NonCancer	5.47E-04	1.86E-06	3.44E-04	0.00E+00	0.00E+00	3.44E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	5.47E-04
1637	ALL	489825.2	3614518	NonCancer	5.36E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.36E-04
1638	ALL	489814.9	3614555	NonCancer	5.30E-04	1.80E-06	3.34E-04	0.00E+00	0.00E+00	3.34E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	5.30E-04
1639	ALL	489797	3614576	NonCancer	5.39E-04	1.83E-06	3.40E-04	0.00E+00	0.00E+00	3.40E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	5.39E-04
1640	ALL	489779.2	3614596	NonCancer	6.14E-04	2.09E-06	3.87E-04	0.00E+00	0.00E+00	3.87E-04	2.09E-06	0.00E+00	2.09E-06	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	6.14E-04
1641	ALL	489761.3	3614616	NonCancer	8.89E-04	3.02E-06	5.60E-04	0.00E+00	0.00E+00	5.60E-04	3.02E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	8.89E-04
1642	ALL	489743.4	3614637	NonCancer	1.19E-03	4.03E-06	7.46E-04	0.00E+00	0.00E+00	7.46E-04	4.03E-06	0.00E+00	4.03E-06	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00	1.19E-03
1643	ALL	489725.5	3614657	NonCancer	1.43E-03	4.86E-06	8.99E-04	0.00E+00	0.00E+00	8.99E-04	4.86E-06	0.00E+00	4.86E-06	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00	1.43E-03
1644	ALL	489707.7	3614677	NonCancer	1.54E-03	5.23E-06	9.69E-04	0.00E+00	0.00E+00	9.69E-04	5.23E-06	0.00E+00	5.23E-06	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00	1.54E-03
1645	ALL	489680.9	3614708	NonCancer	1.39E-03	4.72E-06	8.73E-04	0.00E+00	0.00E+00	8.73E-04	4.72E-06	0.00E+00	4.72E-06	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	1.39E-03
1646	ALL	489591.5	3614809	NonCancer	2.46E-03	8.36E-06	1.55E-03	0.00E+00	0.00E+00	1.55E-03	8.36E-06	0.00E+00	8.36E-06	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.46E-03
1647	ALL	489573.6	3614830	NonCancer	4.30E-03	1.46E-05	2.71E-03	0.00E+00	0.00E+00	2.71E-03	1.46E-05	0.00E+00	1.46E-05	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.30E-03
1648	ALL	489843.6	3614072	NonCancer	8.45E-04	2.87E-06	5.32E-04	0.00E+00	0.00E+00	5.32E-04	2.87E-06	0.00E+00	2.87E-06	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	8.45E-04
1649	ALL	489942.8	3614072	NonCancer	6.85E-04	2.33E-06	4.31E-04	0.00E+00	0.00E+00	4.31E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	6.85E-04
1650	ALL	489941.4	3614099	NonCancer	6.33E-04	2.15E-06	3.98E-04	0.00E+00	0.00E+00	3.98E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	6.33E-04
1651	ALL	489940	3614127	NonCancer	5.44E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.44E-04
1652	ALL	489938.6	3614154	NonCancer	4.43E-04	1.51E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.43E-04
1653	ALL	489937.1	3614182	NonCancer	4.51E-04	1.53E-06	2.84E-04	0.00E+00	0.00E+00	2.84E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	4.51E-04
1654	ALL	489935.7	3614210	NonCancer	5.31E-04	1.81E-06	3.34E-04	0.00E+00	0.00E+00	3.34E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	5.31E-04
1655	ALL	489934.3	3614237	NonCancer	6.35E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.35E-04
1656	ALL	489932.9	3614265	NonCancer	7.23E-04	2.46E-06	4.55E-04	0.00E+00	0.00E+00	4.55E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	7.23E-04
1657	ALL	489931.4	3614293	NonCancer	7.80E-04	2.65E-06	4.91E-04	0.00E+00	0.00E+00	4.91E-04	2.65E-06	0.00E+00	2.65E-06	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	7.80E-04
1658	ALL	489930	3614320	NonCancer	7.84E-04	2.67E-06	4.94E-04	0.00E+00	0.00E+00	4.94E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	7.84E-04
1659	ALL	489928.6	3614348	NonCancer	7.40E-04	2.52E-06	4.66E-04	0.00E+00	0.00E+00	4.66E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	7.40E-04
1660	ALL	489926.4	3614389	NonCancer	6.09E-04	2.07E-06	3.83E-04	0.00E+00	0.00E+00	3.83E-04	2.07E-06	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	6.09E-04
1661	ALL	489921.5	3614486	NonCancer	4.51E-04	1.53E-06	2.84E-04	0.00E+00	0.00E+00	2.84E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	4.51E-04
1662	ALL	489920	3614514	NonCancer	4.44E-04	1.51E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.44E-04
1663	ALL	489918.6	3614541	NonCancer	4.36E-04	1.48E-06	2.74E-04	0.00E+00	0.00E+00	2.74E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	4.36E-04

1664	ALL	489917.2	3614569	NonCancer	4.28E-04	1.46E-06	2.70E-04	0.00E+00	0.00E+00	2.70E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	4.28E-04
1665	ALL	489907.3	3614593	NonCancer	4.28E-04	1.46E-06	2.70E-04	0.00E+00	0.00E+00	2.70E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	4.28E-04
1666	ALL	489889.1	3614614	NonCancer	4.31E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.31E-04
1667	ALL	489870.8	3614635	NonCancer	4.37E-04	1.48E-06	2.75E-04	0.00E+00	0.00E+00	2.75E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	4.37E-04
1668	ALL	489852.5	3614656	NonCancer	5.87E-04	2.00E-06	3.69E-04	0.00E+00	0.00E+00	3.69E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	5.87E-04
1669	ALL	489834.2	3614676	NonCancer	8.13E-04	2.76E-06	5.12E-04	0.00E+00	0.00E+00	5.12E-04	2.76E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	8.13E-04
1670	ALL	489816	3614697	NonCancer	1.04E-03	3.54E-06	6.55E-04	0.00E+00	0.00E+00	6.55E-04	3.54E-06	0.00E+00	3.54E-06	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	1.04E-03
1671	ALL	489797.7	3614718	NonCancer	1.21E-03	4.13E-06	7.64E-04	0.00E+00	0.00E+00	7.64E-04	4.13E-06	0.00E+00	4.13E-06	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00	1.21E-03
1672	ALL	489770.3	3614749	NonCancer	1.27E-03	4.33E-06	8.01E-04	0.00E+00	0.00E+00	8.01E-04	4.33E-06	0.00E+00	4.33E-06	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	1.27E-03
1673	ALL	489678.9	3614853	NonCancer	5.22E-04	1.77E-06	3.29E-04	0.00E+00	0.00E+00	3.29E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	5.22E-04
1674	ALL	489651.5	3614884	NonCancer	4.33E-04	1.47E-06	2.73E-04	0.00E+00	0.00E+00	2.73E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	4.33E-04
1675	ALL	489633.2	3614905	NonCancer	2.92E-03	9.94E-06	1.84E-03	0.00E+00	0.00E+00	1.84E-03	9.94E-06	0.00E+00	9.94E-06	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	2.92E-03
1676	ALL	489939.7	3614044	NonCancer	1.37E-03	4.64E-06	8.60E-04	0.00E+00	0.00E+00	8.60E-04	4.64E-06	0.00E+00	4.64E-06	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	1.37E-03
1677	ALL	490134.9	3614015	NonCancer	5.13E-04	1.75E-06	3.23E-04	0.00E+00	0.00E+00	3.23E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	5.13E-04
1678	ALL	490133.5	3614043	NonCancer	4.93E-04	1.68E-06	3.10E-04	0.00E+00	0.00E+00	3.10E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	4.93E-04
1679	ALL	490132	3614070	NonCancer	4.50E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.50E-04
1680	ALL	490130.6	3614098	NonCancer	3.90E-04	1.32E-06	2.45E-04	0.00E+00	0.00E+00	2.45E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	3.90E-04
1681	ALL	490129.2	3614125	NonCancer	3.29E-04	1.12E-06	2.07E-04	0.00E+00	0.00E+00	2.07E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	3.29E-04
1682	ALL	490127.8	3614152	NonCancer	3.28E-04	1.11E-06	2.06E-04	0.00E+00	0.00E+00	2.06E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	3.28E-04
1683	ALL	490126.4	3614180	NonCancer	3.25E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.25E-04
1684	ALL	490125	3614207	NonCancer	3.78E-04	1.29E-06	2.38E-04	0.00E+00	0.00E+00	2.38E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	3.78E-04
1685	ALL	490123.6	3614234	NonCancer	4.43E-04	1.51E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.43E-04
1686	ALL	490122.2	3614262	NonCancer	5.05E-04	1.72E-06	3.18E-04	0.00E+00	0.00E+00	3.18E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	5.05E-04
1687	ALL	490120.8	3614289	NonCancer	5.49E-04	1.87E-06	3.46E-04	0.00E+00	0.00E+00	3.46E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	5.49E-04
1688	ALL	490119.4	3614316	NonCancer	5.72E-04	1.94E-06	3.60E-04	0.00E+00	0.00E+00	3.60E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	5.72E-04
1689	ALL	490117.9	3614344	NonCancer	5.67E-04	1.93E-06	3.57E-04	0.00E+00	0.00E+00	3.57E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	5.67E-04
1690	ALL	490116.5	3614371	NonCancer	5.37E-04	1.83E-06	3.38E-04	0.00E+00	0.00E+00	3.38E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	5.37E-04
1691	ALL	490115.1	3614398	NonCancer	4.88E-04	1.66E-06	3.07E-04	0.00E+00	0.00E+00	3.07E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	4.88E-04
1692	ALL	490113.7	3614426	NonCancer	4.26E-04	1.45E-06	2.68E-04	0.00E+00	0.00E+00	2.68E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	4.26E-04
1693	ALL	490109.5	3614508	NonCancer	3.25E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.25E-04
1694	ALL	490108.1	3614535	NonCancer	3.09E-04	1.05E-06	1.95E-04	0.00E+00	0.00E+00	1.95E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	3.09E-04
1695	ALL	490106.7	3614562	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
1696	ALL	490105.2	3614590	NonCancer	7.01E-04	2.38E-06	4.42E-04	0.00E+00	0.00E+00	4.42E-04	2.38E-06	0.00E+00	2.38E-06	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	7.01E-04
1697	ALL	490103.8	3614617	NonCancer	7.12E-04	2.42E-06	4.49E-04	0.00E+00	0.00E+00	4.49E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	7.12E-04
1698	ALL	490102.4	3614645	NonCancer	3.27E-04	1.11E-06	2.06E-04	0.00E+00	0.00E+00	2.06E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	3.27E-04
1699	ALL	490092.7	3614668	NonCancer	3.28E-04	1.11E-06	2.06E-04	0.00E+00	0.00E+00	2.06E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	3.28E-04
1700	ALL	490074.6	3614689	NonCancer	7.57E-04	2.58E-06	4.77E-04	0.00E+00	0.00E+00	4.77E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	7.57E-04
1701	ALL	490056.5	3614710	NonCancer	7.89E-04	2.68E-06	4.97E-04	0.00E+00	0.00E+00	4.97E-04	2.68E-06	0.00E+00	2.68E-06	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	7.89E-04
1702	ALL	490038.4	3614730	NonCancer	7.60E-04	2.58E-06	4.78E-04	0.00E+00	0.00E+00	4.78E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	7.60E-04
1703	ALL	490020.3	3614751	NonCancer	7.99E-04	2.72E-06	5.03E-04	0.00E+00	0.00E+00	5.03E-04	2.72E-06	0.00E+00	2.72E-06	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	7.99E-04
1704	ALL	490002.3	3614771	NonCancer	8.52E-04	2.90E-06	5.36E-04	0.00E+00	0.00E+00	5.36E-04	2.90E-06	0.00E+00	2.90E-06	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	8.52E-04
1705	ALL	489984.2	3614792	NonCancer	6.42E-04	2.18E-06	4.04E-04	0.00E+00	0.00E+00	4.04E-04	2.18E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	6.42E-04
1706	ALL	489966.1	3614812	NonCancer	7.82E-04	2.66E-06	4.93E-04	0.00E+00	0.00E+00	4.93E-04	2.66E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	7.82E-04
1707	ALL	489948	3614833	NonCancer	8.90E-04	3.02E-06	5.60E-04	0.00E+00	0.00E+00	5.60E-04	3.02E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	8.90E-04
1708	ALL	489929.9	3614854	NonCancer	9.41E-04	3.20E-06	5.92E-04	0.00E+00	0.00E+00	5.92E-04	3.20E-06	0.00E+00	3.20E-06	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	9.41E-04
1709	ALL	489812.4	3614987	NonCancer	4.04E-04	1.37E-06	2.54E-04	0.00E+00	0.00E+00	2.54E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	4.04E-04
1710	ALL	489785.3	3615018	NonCancer	3.15E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.15E-04
1711	ALL	489767.2	3615039	NonCancer	3.13E-04	1.06E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.13E-04
1712	ALL	489749.1	3615059	NonCancer	3.11E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.11E-04
1713	ALL	489731	3615080	NonCancer	3.34E-04	1.14E-06	2.10E-04	0.00E+00	0.00E+00	2.10E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	3.34E-04
1714	ALL	489685.8	3615131	NonCancer	2.82E-03	9.58E-06	1.77E-03	0.00E+00	0.00E+00	1.77E-03	9.58E-06	0.00E+00	9.58E-06	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	2.82E-03
1715	ALL	490131.7	3613988	NonCancer	5.11E-04	1.74E-06	3.22E-04	0.00E+00	0.00E+00	3.22E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.11E-04

1716	ALL	490326.9	3613960	NonCancer	3.98E-04	1.35E-06	2.51E-04	0.00E+00	0.00E+00	2.51E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	3.98E-04
1717	ALL	490325.5	3613987	NonCancer	3.91E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.91E-04
1718	ALL	490324	3614015	NonCancer	3.67E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.67E-04
1719	ALL	490322.6	3614043	NonCancer	3.32E-04	1.13E-06	2.09E-04	0.00E+00	0.00E+00	2.09E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.32E-04
1720	ALL	490321.2	3614070	NonCancer	2.88E-04	9.78E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.78E-07	0.00E+00	9.78E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.88E-04
1721	ALL	490319.8	3614098	NonCancer	2.43E-04	8.26E-07	1.53E-04	0.00E+00	0.00E+00	1.53E-04	8.26E-07	0.00E+00	8.26E-07	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	2.43E-04
1722	ALL	490318.3	3614126	NonCancer	2.44E-04	8.31E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.31E-07	0.00E+00	8.31E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.44E-04
1723	ALL	490316.9	3614153	NonCancer	2.45E-04	8.34E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.34E-07	0.00E+00	8.34E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.45E-04
1724	ALL	490315.5	3614181	NonCancer	2.48E-04	8.44E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.44E-07	0.00E+00	8.44E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
1725	ALL	490314.1	3614208	NonCancer	2.92E-04	9.94E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.94E-07	0.00E+00	9.94E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.92E-04
1726	ALL	490312.6	3614236	NonCancer	3.38E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.38E-04
1727	ALL	490311.2	3614264	NonCancer	3.81E-04	1.29E-06	2.40E-04	0.00E+00	0.00E+00	2.40E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	3.81E-04
1728	ALL	490309.8	3614291	NonCancer	4.15E-04	1.41E-06	2.61E-04	0.00E+00	0.00E+00	2.61E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	4.15E-04
1729	ALL	490308.4	3614319	NonCancer	4.37E-04	1.49E-06	2.75E-04	0.00E+00	0.00E+00	2.75E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	4.37E-04
1730	ALL	490306.9	3614347	NonCancer	4.42E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.42E-04
1731	ALL	490305.5	3614374	NonCancer	4.31E-04	1.47E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.31E-04
1732	ALL	490304.1	3614402	NonCancer	4.04E-04	1.37E-06	2.55E-04	0.00E+00	0.00E+00	2.55E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	4.04E-04
1733	ALL	490302.7	3614430	NonCancer	3.67E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.67E-04
1734	ALL	490301.2	3614457	NonCancer	3.23E-04	1.10E-06	2.03E-04	0.00E+00	0.00E+00	2.03E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	3.23E-04
1735	ALL	490295.5	3614568	NonCancer	2.41E-04	8.19E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.19E-07	0.00E+00	8.19E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.41E-04
1736	ALL	490294.1	3614595	NonCancer	2.38E-04	8.10E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04	8.10E-07	0.00E+00	8.10E-07	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	2.38E-04
1737	ALL	490292.7	3614623	NonCancer	2.36E-04	8.02E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.02E-07	0.00E+00	8.02E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.36E-04
1738	ALL	490291.3	3614651	NonCancer	2.35E-04	8.00E-07	1.48E-04	0.00E+00	0.00E+00	1.48E-04	8.00E-07	0.00E+00	8.00E-07	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	2.35E-04
1739	ALL	490289.8	3614678	NonCancer	2.57E-04	8.75E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.75E-07	0.00E+00	8.75E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.57E-04
1740	ALL	490288.4	3614706	NonCancer	2.72E-04	9.25E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.25E-07	0.00E+00	9.25E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.72E-04
1741	ALL	490277.8	3614744	NonCancer	2.79E-04	9.48E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.48E-07	0.00E+00	9.48E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.79E-04
1742	ALL	490259.6	3614765	NonCancer	2.75E-04	9.34E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.34E-07	0.00E+00	9.34E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.75E-04
1743	ALL	490241.3	3614786	NonCancer	2.61E-04	8.86E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.86E-07	0.00E+00	8.86E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.61E-04
1744	ALL	490223	3614806	NonCancer	2.37E-04	8.05E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.05E-07	0.00E+00	8.05E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.37E-04
1745	ALL	490204.7	3614827	NonCancer	2.36E-04	8.02E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.02E-07	0.00E+00	8.02E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.36E-04
1746	ALL	490186.5	3614848	NonCancer	2.56E-04	8.70E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.70E-07	0.00E+00	8.70E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.56E-04
1747	ALL	490168.2	3614869	NonCancer	3.39E-04	1.15E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.39E-04
1748	ALL	490149.9	3614889	NonCancer	8.83E-04	3.00E-06	5.56E-04	0.00E+00	0.00E+00	5.56E-04	3.00E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	8.83E-04
1749	ALL	490131.6	3614910	NonCancer	1.12E-03	3.81E-06	7.06E-04	0.00E+00	0.00E+00	7.06E-04	3.81E-06	0.00E+00	3.81E-06	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	1.12E-03
1750	ALL	490113.4	3614931	NonCancer	1.63E-03	5.53E-06	1.02E-03	0.00E+00	0.00E+00	1.02E-03	5.53E-06	0.00E+00	5.53E-06	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.63E-03
1751	ALL	490095.1	3614952	NonCancer	2.06E-03	7.01E-06	1.30E-03	0.00E+00	0.00E+00	1.30E-03	7.01E-06	0.00E+00	7.01E-06	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.06E-03
1752	ALL	490076.8	3614973	NonCancer	2.15E-03	7.31E-06	1.35E-03	0.00E+00	0.00E+00	1.35E-03	7.31E-06	0.00E+00	7.31E-06	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.15E-03
1753	ALL	490058.5	3614993	NonCancer	2.08E-03	7.08E-06	1.31E-03	0.00E+00	0.00E+00	1.31E-03	7.08E-06	0.00E+00	7.08E-06	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.08E-03
1754	ALL	489939.8	3615128	NonCancer	1.75E-03	5.95E-06	1.10E-03	0.00E+00	0.00E+00	1.10E-03	5.95E-06	0.00E+00	5.95E-06	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	1.75E-03
1755	ALL	489921.5	3615149	NonCancer	1.54E-03	5.25E-06	9.73E-04	0.00E+00	0.00E+00	9.73E-04	5.25E-06	0.00E+00	5.25E-06	0.00E+00	0.00E+00	9.73E-04	0.00E+00	0.00E+00	1.54E-03
1756	ALL	489903.2	3615170	NonCancer	1.32E-03	4.48E-06	8.30E-04	0.00E+00	0.00E+00	8.30E-04	4.48E-06	0.00E+00	4.48E-06	0.00E+00	0.00E+00	8.30E-04	0.00E+00	0.00E+00	1.32E-03
1757	ALL	489884.9	3615191	NonCancer	1.08E-03	3.67E-06	6.80E-04	0.00E+00	0.00E+00	6.80E-04	3.67E-06	0.00E+00	3.67E-06	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	1.08E-03
1758	ALL	489866.7	3615212	NonCancer	2.25E-04	7.66E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.66E-07	0.00E+00	7.66E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.25E-04
1759	ALL	489848.4	3615232	NonCancer	2.24E-04	7.61E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.61E-07	0.00E+00	7.61E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.24E-04
1760	ALL	489784.4	3615305	NonCancer	3.74E-04	1.27E-06	2.36E-04	0.00E+00	0.00E+00	2.36E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	3.74E-04
1761	ALL	490323.7	3613933	NonCancer	3.92E-04	1.33E-06	2.47E-04	0.00E+00	0.00E+00	2.47E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	3.92E-04
1762	ALL	490518.9	3613904	NonCancer	3.20E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.20E-04
1763	ALL	490517.5	3613931	NonCancer	3.19E-04	1.08E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
1764	ALL	490516.1	3613959	NonCancer	3.07E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.07E-04
1765	ALL	490514.7	3613986	NonCancer	2.86E-04	9.71E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.71E-07	0.00E+00	9.71E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.86E-04
1766	ALL	490513.3	3614013	NonCancer	2.58E-04	8.76E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.76E-07	0.00E+00	8.76E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.58E-04
1767	ALL	490511.8	3614041	NonCancer	2.25E-04	7.65E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.65E-07	0.00E+00	7.65E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.25E-04

1768	ALL	490510.4	3614068	NonCancer	1.91E-04	6.48E-07	1.20E-04	0.00E+00	0.00E+00	1.20E-04	6.48E-07	0.00E+00	6.48E-07	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	1.91E-04
1769	ALL	490509	3614096	NonCancer	1.91E-04	6.51E-07	1.21E-04	0.00E+00	0.00E+00	1.21E-04	6.51E-07	0.00E+00	6.51E-07	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.91E-04
1770	ALL	490507.6	3614123	NonCancer	1.92E-04	6.53E-07	1.21E-04	0.00E+00	0.00E+00	1.21E-04	6.53E-07	0.00E+00	6.53E-07	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.92E-04
1771	ALL	490506.2	3614151	NonCancer	1.93E-04	6.56E-07	1.21E-04	0.00E+00	0.00E+00	1.21E-04	6.56E-07	0.00E+00	6.56E-07	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.93E-04
1772	ALL	490504.8	3614178	NonCancer	2.10E-04	7.14E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.14E-07	0.00E+00	7.14E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.10E-04
1773	ALL	490503.4	3614205	NonCancer	2.30E-04	7.81E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.81E-07	0.00E+00	7.81E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
1774	ALL	490501.9	3614233	NonCancer	2.60E-04	8.85E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.85E-07	0.00E+00	8.85E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.60E-04
1775	ALL	490500.5	3614260	NonCancer	2.92E-04	9.92E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.92E-07	0.00E+00	9.92E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.92E-04
1776	ALL	490499.1	3614288	NonCancer	3.19E-04	1.08E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
1777	ALL	490497.7	3614315	NonCancer	3.39E-04	1.15E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.39E-04
1778	ALL	490496.3	3614343	NonCancer	3.50E-04	1.19E-06	2.20E-04	0.00E+00	0.00E+00	2.20E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	3.50E-04
1779	ALL	490494.9	3614370	NonCancer	3.51E-04	1.19E-06	2.21E-04	0.00E+00	0.00E+00	2.21E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	3.51E-04
1780	ALL	490493.5	3614397	NonCancer	3.41E-04	1.16E-06	2.15E-04	0.00E+00	0.00E+00	2.15E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.41E-04
1781	ALL	490492	3614425	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
1782	ALL	490490.6	3614452	NonCancer	2.95E-04	1.00E-06	1.85E-04	0.00E+00	0.00E+00	1.85E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.95E-04
1783	ALL	490489.2	3614480	NonCancer	2.64E-04	8.97E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.97E-07	0.00E+00	8.97E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.64E-04
1784	ALL	490487.8	3614507	NonCancer	2.31E-04	7.85E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.85E-07	0.00E+00	7.85E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.31E-04
1785	ALL	490483.5	3614589	NonCancer	7.89E-04	2.68E-06	4.97E-04	0.00E+00	0.00E+00	4.97E-04	2.68E-06	0.00E+00	2.68E-06	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	7.89E-04
1786	ALL	490481.4	3614631	NonCancer	8.22E-04	2.80E-06	5.18E-04	0.00E+00	0.00E+00	5.18E-04	2.80E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	8.22E-04
1787	ALL	490480	3614658	NonCancer	7.34E-04	2.50E-06	4.62E-04	0.00E+00	0.00E+00	4.62E-04	2.50E-06	0.00E+00	2.50E-06	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	7.34E-04
1788	ALL	490478.6	3614685	NonCancer	1.15E-03	3.90E-06	7.23E-04	0.00E+00	0.00E+00	7.23E-04	3.90E-06	0.00E+00	3.90E-06	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	1.15E-03
1789	ALL	490477.2	3614713	NonCancer	1.05E-03	3.56E-06	6.59E-04	0.00E+00	0.00E+00	6.59E-04	3.56E-06	0.00E+00	3.56E-06	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	1.05E-03
1790	ALL	490475.8	3614740	NonCancer	6.48E-04	2.20E-06	4.08E-04	0.00E+00	0.00E+00	4.08E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	6.48E-04
1791	ALL	490474.4	3614768	NonCancer	2.45E-04	8.32E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.32E-07	0.00E+00	8.32E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.45E-04
1792	ALL	490472.9	3614795	NonCancer	2.53E-04	8.59E-07	1.59E-04	0.00E+00	0.00E+00	1.59E-04	8.59E-07	0.00E+00	8.59E-07	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	2.53E-04
1793	ALL	490463.2	3614819	NonCancer	2.55E-04	8.66E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.66E-07	0.00E+00	8.66E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.55E-04
1794	ALL	490445	3614840	NonCancer	2.48E-04	8.42E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.42E-07	0.00E+00	8.42E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
1795	ALL	490426.9	3614861	NonCancer	2.39E-04	8.12E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04	8.12E-07	0.00E+00	8.12E-07	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	2.39E-04
1796	ALL	490408.7	3614881	NonCancer	2.24E-04	7.62E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.62E-07	0.00E+00	7.62E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.24E-04
1797	ALL	490390.6	3614902	NonCancer	2.05E-04	6.96E-07	1.29E-04	0.00E+00	0.00E+00	1.29E-04	6.96E-07	0.00E+00	6.96E-07	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	2.05E-04
1798	ALL	490372.5	3614922	NonCancer	1.84E-04	6.27E-07	1.16E-04	0.00E+00	0.00E+00	1.16E-04	6.27E-07	0.00E+00	6.27E-07	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.84E-04
1799	ALL	490354.3	3614943	NonCancer	1.86E-04	6.31E-07	1.17E-04	0.00E+00	0.00E+00	1.17E-04	6.31E-07	0.00E+00	6.31E-07	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	1.86E-04
1800	ALL	490336.2	3614964	NonCancer	2.37E-04	8.05E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.05E-07	0.00E+00	8.05E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.37E-04
1801	ALL	490318.1	3614984	NonCancer	6.87E-04	2.34E-06	4.33E-04	0.00E+00	0.00E+00	4.33E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	6.87E-04
1802	ALL	490299.9	3615005	NonCancer	8.18E-04	2.78E-06	5.15E-04	0.00E+00	0.00E+00	5.15E-04	2.78E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	8.18E-04
1803	ALL	490281.8	3615026	NonCancer	9.23E-04	3.14E-06	5.81E-04	0.00E+00	0.00E+00	5.81E-04	3.14E-06	0.00E+00	3.14E-06	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	9.23E-04
1804	ALL	490263.6	3615046	NonCancer	1.18E-03	4.02E-06	7.44E-04	0.00E+00	0.00E+00	7.44E-04	4.02E-06	0.00E+00	4.02E-06	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00	1.18E-03
1805	ALL	490245.5	3615067	NonCancer	1.60E-03	5.43E-06	1.01E-03	0.00E+00	0.00E+00	1.01E-03	5.43E-06	0.00E+00	5.43E-06	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.60E-03
1806	ALL	490227.4	3615087	NonCancer	1.61E-03	5.48E-06	1.01E-03	0.00E+00	0.00E+00	1.01E-03	5.48E-06	0.00E+00	5.48E-06	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.61E-03
1807	ALL	490209.2	3615108	NonCancer	1.36E-03	4.63E-06	8.58E-04	0.00E+00	0.00E+00	8.58E-04	4.63E-06	0.00E+00	4.63E-06	0.00E+00	0.00E+00	8.58E-04	0.00E+00	0.00E+00	1.36E-03
1808	ALL	490091.3	3615242	NonCancer	1.73E-03	5.89E-06	1.09E-03	0.00E+00	0.00E+00	1.09E-03	5.89E-06	0.00E+00	5.89E-06	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	1.73E-03
1809	ALL	490073.2	3615263	NonCancer	1.89E-03	6.43E-06	1.19E-03	0.00E+00	0.00E+00	1.19E-03	6.43E-06	0.00E+00	6.43E-06	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	1.89E-03
1810	ALL	490055.1	3615283	NonCancer	1.93E-03	6.56E-06	1.22E-03	0.00E+00	0.00E+00	1.22E-03	6.56E-06	0.00E+00	6.56E-06	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	1.93E-03
1811	ALL	490036.9	3615304	NonCancer	1.79E-03	6.10E-06	1.13E-03	0.00E+00	0.00E+00	1.13E-03	6.10E-06	0.00E+00	6.10E-06	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	1.79E-03
1812	ALL	490018.8	3615325	NonCancer	1.62E-03	5.51E-06	1.02E-03	0.00E+00	0.00E+00	1.02E-03	5.51E-06	0.00E+00	5.51E-06	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.62E-03
1813	ALL	490000.6	3615345	NonCancer	1.49E-03	5.06E-06	9.37E-04	0.00E+00	0.00E+00	9.37E-04	5.06E-06	0.00E+00	5.06E-06	0.00E+00	0.00E+00	9.37E-04	0.00E+00	0.00E+00	1.49E-03
1814	ALL	489982.5	3615366	NonCancer	1.76E-03	6.00E-06	1.11E-03	0.00E+00	0.00E+00	1.11E-03	6.00E-06	0.00E+00	6.00E-06	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	1.76E-03
1815	ALL	489964.4	3615387	NonCancer	1.96E-03	6.66E-06	1.23E-03	0.00E+00	0.00E+00	1.23E-03	6.66E-06	0.00E+00	6.66E-06	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	1.96E-03
1816	ALL	489900.9	3615459	NonCancer	1.53E-03	5.19E-06	9.61E-04	0.00E+00	0.00E+00	9.61E-04	5.19E-06	0.00E+00	5.19E-06	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00	1.53E-03
1817	ALL	489882.7	3615479	NonCancer	1.50E-03	5.09E-06	9.42E-04	0.00E+00	0.00E+00	9.42E-04	5.09E-06	0.00E+00	5.09E-06	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00	1.50E-03
1818	ALL	490515.7	3613877	NonCancer	3.13E-04	1.07E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.13E-04
1819	ALL	490710.9	3613848	NonCancer	6.91E-04	2.35E-06	4.35E-04	0.00E+00	0.00E+00	4.35E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	6.91E-04

1820	ALL	490709.5	3613876	NonCancer	6.97E-04	2.37E-06	4.39E-04	0.00E+00	0.00E+00	4.39E-04	2.37E-06	0.00E+00	2.37E-06	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	6.97E-04
1821	ALL	490708.1	3613903	NonCancer	6.80E-04	2.31E-06	4.28E-04	0.00E+00	0.00E+00	4.28E-04	2.31E-06	0.00E+00	2.31E-06	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	6.80E-04
1822	ALL	490706.7	3613931	NonCancer	6.44E-04	2.19E-06	4.05E-04	0.00E+00	0.00E+00	4.05E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	6.44E-04
1823	ALL	490705.2	3613958	NonCancer	7.26E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.26E-04
1824	ALL	490703.8	3613986	NonCancer	7.81E-04	2.66E-06	4.92E-04	0.00E+00	0.00E+00	4.92E-04	2.66E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	7.81E-04
1825	ALL	490702.4	3614014	NonCancer	8.06E-04	2.74E-06	5.08E-04	0.00E+00	0.00E+00	5.08E-04	2.74E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	8.06E-04
1826	ALL	490701	3614041	NonCancer	6.72E-04	2.29E-06	4.23E-04	0.00E+00	0.00E+00	4.23E-04	2.29E-06	0.00E+00	2.29E-06	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	6.72E-04
1827	ALL	490699.5	3614069	NonCancer	4.99E-04	1.70E-06	3.14E-04	0.00E+00	0.00E+00	3.14E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	4.99E-04
1828	ALL	490698.1	3614097	NonCancer	3.69E-04	1.26E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.69E-04
1829	ALL	490696.7	3614124	NonCancer	3.19E-04	1.08E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
1830	ALL	490695.3	3614152	NonCancer	2.75E-04	9.34E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.34E-07	0.00E+00	9.34E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.75E-04
1831	ALL	490693.8	3614180	NonCancer	3.42E-04	1.16E-06	2.15E-04	0.00E+00	0.00E+00	2.15E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.42E-04
1832	ALL	490692.4	3614207	NonCancer	4.43E-04	1.50E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.43E-04
1833	ALL	490691	3614235	NonCancer	5.72E-04	1.94E-06	3.60E-04	0.00E+00	0.00E+00	3.60E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	5.72E-04
1834	ALL	490689.6	3614262	NonCancer	6.67E-04	2.27E-06	4.20E-04	0.00E+00	0.00E+00	4.20E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	6.67E-04
1835	ALL	490688.1	3614290	NonCancer	8.22E-04	2.79E-06	5.18E-04	0.00E+00	0.00E+00	5.18E-04	2.79E-06	0.00E+00	2.79E-06	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	8.22E-04
1836	ALL	490686.7	3614318	NonCancer	8.76E-04	2.98E-06	5.52E-04	0.00E+00	0.00E+00	5.52E-04	2.98E-06	0.00E+00	2.98E-06	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	8.76E-04
1837	ALL	490685.3	3614345	NonCancer	1.00E-03	3.40E-06	6.30E-04	0.00E+00	0.00E+00	6.30E-04	3.40E-06	0.00E+00	3.40E-06	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	1.00E-03
1838	ALL	490683.9	3614373	NonCancer	1.08E-03	3.66E-06	6.77E-04	0.00E+00	0.00E+00	6.77E-04	3.66E-06	0.00E+00	3.66E-06	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	1.08E-03
1839	ALL	490682.4	3614401	NonCancer	1.09E-03	3.72E-06	6.88E-04	0.00E+00	0.00E+00	6.88E-04	3.72E-06	0.00E+00	3.72E-06	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	1.09E-03
1840	ALL	490681	3614428	NonCancer	1.08E-03	3.66E-06	6.77E-04	0.00E+00	0.00E+00	6.77E-04	3.66E-06	0.00E+00	3.66E-06	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	1.08E-03
1841	ALL	490679.6	3614456	NonCancer	9.95E-04	3.38E-06	6.26E-04	0.00E+00	0.00E+00	6.26E-04	3.38E-06	0.00E+00	3.38E-06	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	9.95E-04
1842	ALL	490678.2	3614484	NonCancer	8.48E-04	2.88E-06	5.34E-04	0.00E+00	0.00E+00	5.34E-04	2.88E-06	0.00E+00	2.88E-06	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	8.48E-04
1843	ALL	490676.7	3614511	NonCancer	6.87E-04	2.33E-06	4.32E-04	0.00E+00	0.00E+00	4.32E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	6.87E-04
1844	ALL	490675.3	3614539	NonCancer	5.70E-04	1.94E-06	3.59E-04	0.00E+00	0.00E+00	3.59E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	5.70E-04
1845	ALL	490673.9	3614566	NonCancer	7.06E-04	2.40E-06	4.45E-04	0.00E+00	0.00E+00	4.45E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	7.06E-04
1846	ALL	490669.6	3614649	NonCancer	8.90E-04	3.03E-06	5.60E-04	0.00E+00	0.00E+00	5.60E-04	3.03E-06	0.00E+00	3.03E-06	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	8.90E-04
1847	ALL	490668.2	3614677	NonCancer	9.81E-04	3.34E-06	6.18E-04	0.00E+00	0.00E+00	6.18E-04	3.34E-06	0.00E+00	3.34E-06	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	9.81E-04
1848	ALL	490666.8	3614705	NonCancer	1.15E-03	3.91E-06	7.23E-04	0.00E+00	0.00E+00	7.23E-04	3.91E-06	0.00E+00	3.91E-06	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	1.15E-03
1849	ALL	490665.3	3614732	NonCancer	1.19E-03	4.04E-06	7.48E-04	0.00E+00	0.00E+00	7.48E-04	4.04E-06	0.00E+00	4.04E-06	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	1.19E-03
1850	ALL	490663.9	3614760	NonCancer	1.41E-03	4.80E-06	8.88E-04	0.00E+00	0.00E+00	8.88E-04	4.80E-06	0.00E+00	4.80E-06	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00	1.41E-03
1851	ALL	490662.5	3614788	NonCancer	1.50E-03	5.11E-06	9.46E-04	0.00E+00	0.00E+00	9.46E-04	5.11E-06	0.00E+00	5.11E-06	0.00E+00	0.00E+00	9.46E-04	0.00E+00	0.00E+00	1.50E-03
1852	ALL	490661	3614815	NonCancer	1.52E-03	5.17E-06	9.57E-04	0.00E+00	0.00E+00	9.57E-04	5.17E-06	0.00E+00	5.17E-06	0.00E+00	0.00E+00	9.57E-04	0.00E+00	0.00E+00	1.52E-03
1853	ALL	490659.6	3614843	NonCancer	1.15E-03	3.90E-06	7.22E-04	0.00E+00	0.00E+00	7.22E-04	3.90E-06	0.00E+00	3.90E-06	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00	1.15E-03
1854	ALL	490658.2	3614870	NonCancer	4.31E-04	1.46E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.31E-04
1855	ALL	490648.3	3614895	NonCancer	2.33E-04	7.91E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.91E-07	0.00E+00	7.91E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.33E-04
1856	ALL	490630.1	3614915	NonCancer	2.32E-04	7.88E-07	1.46E-04	0.00E+00	0.00E+00	1.46E-04	7.88E-07	0.00E+00	7.88E-07	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	2.32E-04
1857	ALL	490611.8	3614936	NonCancer	2.26E-04	7.67E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.67E-07	0.00E+00	7.67E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.26E-04
1858	ALL	490593.5	3614957	NonCancer	2.14E-04	7.29E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.29E-07	0.00E+00	7.29E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.14E-04
1859	ALL	490575.3	3614978	NonCancer	1.99E-04	6.76E-07	1.25E-04	0.00E+00	0.00E+00	1.25E-04	6.76E-07	0.00E+00	6.76E-07	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	1.99E-04
1860	ALL	490557	3614999	NonCancer	1.79E-04	6.10E-07	1.13E-04	0.00E+00	0.00E+00	1.13E-04	6.10E-07	0.00E+00	6.10E-07	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	1.79E-04
1861	ALL	490538.7	3615019	NonCancer	1.58E-04	5.37E-07	9.95E-05	0.00E+00	0.00E+00	9.95E-05	5.37E-07	0.00E+00	5.37E-07	0.00E+00	0.00E+00	9.95E-05	0.00E+00	0.00E+00	1.58E-04
1862	ALL	490520.4	3615040	NonCancer	1.47E-04	5.01E-07	9.28E-05	0.00E+00	0.00E+00	9.28E-05	5.01E-07	0.00E+00	5.01E-07	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	1.47E-04
1863	ALL	490502.2	3615061	NonCancer	5.46E-04	1.86E-06	3.44E-04	0.00E+00	0.00E+00	3.44E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	5.46E-04
1864	ALL	490483.9	3615082	NonCancer	8.30E-04	2.82E-06	5.23E-04	0.00E+00	0.00E+00	5.23E-04	2.82E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	8.30E-04
1865	ALL	490465.6	3615103	NonCancer	9.34E-04	3.17E-06	5.88E-04	0.00E+00	0.00E+00	5.88E-04	3.17E-06	0.00E+00	3.17E-06	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00	9.34E-04
1866	ALL	490447.3	3615123	NonCancer	9.97E-04	3.39E-06	6.28E-04	0.00E+00	0.00E+00	6.28E-04	3.39E-06	0.00E+00	3.39E-06	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	9.97E-04
1867	ALL	490429.1	3615144	NonCancer	1.26E-03	4.27E-06	7.91E-04	0.00E+00	0.00E+00	7.91E-04	4.27E-06	0.00E+00	4.27E-06	0.00E+00	0.00E+00	7.91E-04	0.00E+00	0.00E+00	1.26E-03
1868	ALL	490410.8	3615165	NonCancer	1.50E-03	5.09E-06	9.42E-04	0.00E+00	0.00E+00	9.42E-04	5.09E-06	0.00E+00	5.09E-06	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00	1.50E-03
1869	ALL	490392.5	3615186	NonCancer	1.59E-03	5.42E-06	1.00E-03	0.00E+00	0.00E+00	1.00E-03	5.42E-06	0.00E+00	5.42E-06	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.59E-03
1870	ALL	490374.2	3615206	NonCancer	1.75E-03	5.96E-06	1.10E-03	0.00E+00	0.00E+00	1.10E-03	5.96E-06	0.00E+00	5.96E-06	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	1.75E-03
1871	ALL	490356	3615227	NonCancer	1.71E-03	5.82E-06	1.08E-03	0.00E+00	0.00E+00	1.08E-03	5.82E-06	0.00E+00	5.82E-06	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.71E-03

1872	ALL	490255.5	3615342	NonCancer	1.57E-03	5.34E-06	9.89E-04	0.00E+00	0.00E+00	9.89E-04	5.34E-06	0.00E+00	5.34E-06	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00	1.57E-03
1873	ALL	490228	3615373	NonCancer	1.53E-03	5.20E-06	9.63E-04	0.00E+00	0.00E+00	9.63E-04	5.20E-06	0.00E+00	5.20E-06	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00	1.53E-03
1874	ALL	490209.8	3615393	NonCancer	1.77E-03	6.01E-06	1.11E-03	0.00E+00	0.00E+00	1.11E-03	6.01E-06	0.00E+00	6.01E-06	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	1.77E-03
1875	ALL	490191.5	3615414	NonCancer	1.87E-03	6.36E-06	1.18E-03	0.00E+00	0.00E+00	1.18E-03	6.36E-06	0.00E+00	6.36E-06	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	1.87E-03
1876	ALL	490173.2	3615435	NonCancer	1.81E-03	6.17E-06	1.14E-03	0.00E+00	0.00E+00	1.14E-03	6.17E-06	0.00E+00	6.17E-06	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	1.81E-03
1877	ALL	490154.9	3615456	NonCancer	1.61E-03	5.48E-06	1.01E-03	0.00E+00	0.00E+00	1.01E-03	5.48E-06	0.00E+00	5.48E-06	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.61E-03
1878	ALL	490136.7	3615477	NonCancer	1.48E-03	5.02E-06	9.29E-04	0.00E+00	0.00E+00	9.29E-04	5.02E-06	0.00E+00	5.02E-06	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	1.48E-03
1879	ALL	490118.4	3615497	NonCancer	1.33E-03	4.52E-06	8.36E-04	0.00E+00	0.00E+00	8.36E-04	4.52E-06	0.00E+00	4.52E-06	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00	1.33E-03
1880	ALL	490100.1	3615518	NonCancer	1.60E-03	5.43E-06	1.01E-03	0.00E+00	0.00E+00	1.01E-03	5.43E-06	0.00E+00	5.43E-06	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.60E-03
1881	ALL	490081.8	3615539	NonCancer	1.83E-03	6.21E-06	1.15E-03	0.00E+00	0.00E+00	1.15E-03	6.21E-06	0.00E+00	6.21E-06	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	1.83E-03
1882	ALL	490063.6	3615560	NonCancer	1.95E-03	6.63E-06	1.23E-03	0.00E+00	0.00E+00	1.23E-03	6.63E-06	0.00E+00	6.63E-06	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	1.95E-03
1883	ALL	490008.7	3615622	NonCancer	1.95E-03	6.62E-06	1.23E-03	0.00E+00	0.00E+00	1.23E-03	6.62E-06	0.00E+00	6.62E-06	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	1.95E-03
1884	ALL	489990.5	3615643	NonCancer	1.93E-03	6.57E-06	1.22E-03	0.00E+00	0.00E+00	1.22E-03	6.57E-06	0.00E+00	6.57E-06	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	1.93E-03
1885	ALL	490707.8	3613821	NonCancer	6.34E-04	2.15E-06	3.99E-04	0.00E+00	0.00E+00	3.99E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	6.34E-04
1886	ALL	490903	3613792	NonCancer	9.02E-04	3.07E-06	5.68E-04	0.00E+00	0.00E+00	5.68E-04	3.07E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	9.02E-04
1887	ALL	490901.6	3613819	NonCancer	8.57E-04	2.92E-06	5.40E-04	0.00E+00	0.00E+00	5.40E-04	2.92E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	8.57E-04
1888	ALL	490900.1	3613847	NonCancer	7.84E-04	2.67E-06	4.94E-04	0.00E+00	0.00E+00	4.94E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	7.84E-04
1889	ALL	490898.7	3613874	NonCancer	6.93E-04	2.36E-06	4.36E-04	0.00E+00	0.00E+00	4.36E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	6.93E-04
1890	ALL	490897.3	3613902	NonCancer	8.29E-04	2.82E-06	5.22E-04	0.00E+00	0.00E+00	5.22E-04	2.82E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	8.29E-04
1891	ALL	490895.9	3613929	NonCancer	9.42E-04	3.20E-06	5.93E-04	0.00E+00	0.00E+00	5.93E-04	3.20E-06	0.00E+00	3.20E-06	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	9.42E-04
1892	ALL	490894.5	3613957	NonCancer	1.01E-03	3.42E-06	6.33E-04	0.00E+00	0.00E+00	6.33E-04	3.42E-06	0.00E+00	3.42E-06	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	1.01E-03
1893	ALL	490893	3613984	NonCancer	1.01E-03	3.42E-06	6.33E-04	0.00E+00	0.00E+00	6.33E-04	3.42E-06	0.00E+00	3.42E-06	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	1.01E-03
1894	ALL	490891.6	3614012	NonCancer	9.28E-04	3.15E-06	5.84E-04	0.00E+00	0.00E+00	5.84E-04	3.15E-06	0.00E+00	3.15E-06	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	9.28E-04
1895	ALL	490890.2	3614039	NonCancer	8.43E-04	2.87E-06	5.31E-04	0.00E+00	0.00E+00	5.31E-04	2.87E-06	0.00E+00	2.87E-06	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	8.43E-04
1896	ALL	490888.8	3614067	NonCancer	8.60E-04	2.92E-06	5.41E-04	0.00E+00	0.00E+00	5.41E-04	2.92E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	8.60E-04
1897	ALL	490887.4	3614094	NonCancer	8.24E-04	2.80E-06	5.19E-04	0.00E+00	0.00E+00	5.19E-04	2.80E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	8.24E-04
1898	ALL	490886	3614122	NonCancer	7.79E-04	2.65E-06	4.90E-04	0.00E+00	0.00E+00	4.90E-04	2.65E-06	0.00E+00	2.65E-06	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	7.79E-04
1899	ALL	490884.5	3614149	NonCancer	8.49E-04	2.89E-06	5.34E-04	0.00E+00	0.00E+00	5.34E-04	2.89E-06	0.00E+00	2.89E-06	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	8.49E-04
1900	ALL	490883.1	3614177	NonCancer	8.93E-04	3.03E-06	5.62E-04	0.00E+00	0.00E+00	5.62E-04	3.03E-06	0.00E+00	3.03E-06	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	8.93E-04
1901	ALL	490881.7	3614204	NonCancer	1.00E-03	3.40E-06	6.30E-04	0.00E+00	0.00E+00	6.30E-04	3.40E-06	0.00E+00	3.40E-06	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	1.00E-03
1902	ALL	490880.3	3614232	NonCancer	1.06E-03	3.61E-06	6.69E-04	0.00E+00	0.00E+00	6.69E-04	3.61E-06	0.00E+00	3.61E-06	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	1.06E-03
1903	ALL	490878.9	3614259	NonCancer	1.05E-03	3.58E-06	6.63E-04	0.00E+00	0.00E+00	6.63E-04	3.58E-06	0.00E+00	3.58E-06	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	1.05E-03
1904	ALL	490877.5	3614286	NonCancer	1.12E-03	3.80E-06	7.03E-04	0.00E+00	0.00E+00	7.03E-04	3.80E-06	0.00E+00	3.80E-06	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	1.12E-03
1905	ALL	490876	3614314	NonCancer	1.20E-03	4.09E-06	7.57E-04	0.00E+00	0.00E+00	7.57E-04	4.09E-06	0.00E+00	4.09E-06	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	1.20E-03
1906	ALL	490874.6	3614341	NonCancer	1.41E-03	4.81E-06	8.90E-04	0.00E+00	0.00E+00	8.90E-04	4.81E-06	0.00E+00	4.81E-06	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	1.41E-03
1907	ALL	490873.2	3614369	NonCancer	1.58E-03	5.37E-06	9.94E-04	0.00E+00	0.00E+00	9.94E-04	5.37E-06	0.00E+00	5.37E-06	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	1.58E-03
1908	ALL	490871.8	3614396	NonCancer	1.62E-03	5.52E-06	1.02E-03	0.00E+00	0.00E+00	1.02E-03	5.52E-06	0.00E+00	5.52E-06	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.62E-03
1909	ALL	490870.4	3614424	NonCancer	1.55E-03	5.26E-06	9.73E-04	0.00E+00	0.00E+00	9.73E-04	5.26E-06	0.00E+00	5.26E-06	0.00E+00	0.00E+00	9.73E-04	0.00E+00	0.00E+00	1.55E-03
1910	ALL	490869	3614451	NonCancer	1.37E-03	4.64E-06	8.60E-04	0.00E+00	0.00E+00	8.60E-04	4.64E-06	0.00E+00	4.64E-06	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	1.37E-03
1911	ALL	490867.5	3614479	NonCancer	1.14E-03	3.86E-06	7.15E-04	0.00E+00	0.00E+00	7.15E-04	3.86E-06	0.00E+00	3.86E-06	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00	1.14E-03
1912	ALL	490866.1	3614506	NonCancer	8.88E-04	3.02E-06	5.59E-04	0.00E+00	0.00E+00	5.59E-04	3.02E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	8.88E-04
1913	ALL	490864.7	3614534	NonCancer	9.31E-04	3.17E-06	5.86E-04	0.00E+00	0.00E+00	5.86E-04	3.17E-06	0.00E+00	3.17E-06	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	9.31E-04
1914	ALL	490863.3	3614561	NonCancer	1.03E-03	3.51E-06	6.50E-04	0.00E+00	0.00E+00	6.50E-04	3.51E-06	0.00E+00	3.51E-06	0.00E+00	0.00E+00	6.50E-04	0.00E+00	0.00E+00	1.03E-03
1915	ALL	490861.9	3614589	NonCancer	1.05E-03	3.56E-06	6.58E-04	0.00E+00	0.00E+00	6.58E-04	3.56E-06	0.00E+00	3.56E-06	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	1.05E-03
1916	ALL	490855.5	3614712	NonCancer	9.45E-04	3.21E-06	5.95E-04	0.00E+00	0.00E+00	5.95E-04	3.21E-06	0.00E+00	3.21E-06	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	9.45E-04
1917	ALL	490854.1	3614740	NonCancer	1.08E-03	3.67E-06	6.80E-04	0.00E+00	0.00E+00	6.80E-04	3.67E-06	0.00E+00	3.67E-06	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	1.08E-03
1918	ALL	490852.7	3614767	NonCancer	1.28E-03	4.35E-06	8.06E-04	0.00E+00	0.00E+00	8.06E-04	4.35E-06	0.00E+00	4.35E-06	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	1.28E-03
1919	ALL	490851.2	3614795	NonCancer	1.41E-03	4.79E-06	8.86E-04	0.00E+00	0.00E+00	8.86E-04	4.79E-06	0.00E+00	4.79E-06	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	1.41E-03
1920	ALL	490849.8	3614822	NonCancer	1.47E-03	5.01E-06	9.27E-04	0.00E+00	0.00E+00	9.27E-04	5.01E-06	0.00E+00	5.01E-06	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	1.47E-03
1921	ALL	490848.4	3614850	NonCancer	1.51E-03	5.12E-06	9.49E-04	0.00E+00	0.00E+00	9.49E-04	5.12E-06	0.00E+00	5.12E-06	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	1.51E-03
1922	ALL	490847	3614877	NonCancer	1.20E-03	4.07E-06	7.54E-04	0.00E+00	0.00E+00	7.54E-04	4.07E-06	0.00E+00	4.07E-06	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	1.20E-03
1923	ALL	490845.6	3614905	NonCancer	1.15E-03	3.92E-06	7.27E-04	0.00E+00	0.00E+00	7.27E-04	3.92E-06	0.00E+00	3.92E-06	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00	1.15E-03

1924	ALL	490844.2	3614932	NonCancer	1.18E-03	4.02E-06	7.45E-04	0.00E+00	0.00E+00	7.45E-04	4.02E-06	0.00E+00	4.02E-06	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	1.18E-03
1925	ALL	490833.7	3614970	NonCancer	1.09E-03	3.72E-06	6.89E-04	0.00E+00	0.00E+00	6.89E-04	3.72E-06	0.00E+00	3.72E-06	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	1.09E-03
1926	ALL	490815.5	3614991	NonCancer	9.08E-04	3.09E-06	5.72E-04	0.00E+00	0.00E+00	5.72E-04	3.09E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	9.08E-04
1927	ALL	490797.3	3615011	NonCancer	7.75E-04	2.63E-06	4.88E-04	0.00E+00	0.00E+00	4.88E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	7.75E-04
1928	ALL	490779.2	3615032	NonCancer	8.22E-04	2.80E-06	5.18E-04	0.00E+00	0.00E+00	5.18E-04	2.80E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	8.22E-04
1929	ALL	490761	3615053	NonCancer	7.60E-04	2.58E-06	4.78E-04	0.00E+00	0.00E+00	4.78E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	7.60E-04
1930	ALL	490742.8	3615073	NonCancer	4.29E-04	1.46E-06	2.70E-04	0.00E+00	0.00E+00	2.70E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	4.29E-04
1931	ALL	490724.6	3615094	NonCancer	1.59E-04	5.42E-07	1.00E-04	0.00E+00	0.00E+00	1.00E-04	5.42E-07	0.00E+00	5.42E-07	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	1.59E-04
1932	ALL	490706.5	3615115	NonCancer	1.41E-04	4.79E-07	8.87E-05	0.00E+00	0.00E+00	8.87E-05	4.79E-07	0.00E+00	4.79E-07	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	1.41E-04
1933	ALL	490688.3	3615135	NonCancer	1.22E-04	4.14E-07	7.66E-05	0.00E+00	0.00E+00	7.66E-05	4.14E-07	0.00E+00	4.14E-07	0.00E+00	0.00E+00	7.66E-05	0.00E+00	0.00E+00	1.22E-04
1934	ALL	490670.1	3615156	NonCancer	1.31E-04	4.46E-07	8.26E-05	0.00E+00	0.00E+00	8.26E-05	4.46E-07	0.00E+00	4.46E-07	0.00E+00	0.00E+00	8.26E-05	0.00E+00	0.00E+00	1.31E-04
1935	ALL	490652	3615177	NonCancer	1.65E-04	5.61E-07	1.04E-04	0.00E+00	0.00E+00	1.04E-04	5.61E-07	0.00E+00	5.61E-07	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	1.65E-04
1936	ALL	490633.8	3615197	NonCancer	2.04E-04	6.94E-07	1.29E-04	0.00E+00	0.00E+00	1.29E-04	6.94E-07	0.00E+00	6.94E-07	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	2.04E-04
1937	ALL	490615.6	3615218	NonCancer	2.47E-04	8.41E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.41E-07	0.00E+00	8.41E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.47E-04
1938	ALL	490597.5	3615239	NonCancer	6.19E-04	2.10E-06	3.90E-04	0.00E+00	0.00E+00	3.90E-04	2.10E-06	0.00E+00	2.10E-06	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	6.19E-04
1939	ALL	490579.3	3615259	NonCancer	1.02E-03	3.47E-06	6.43E-04	0.00E+00	0.00E+00	6.43E-04	3.47E-06	0.00E+00	3.47E-06	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	1.02E-03
1940	ALL	490561.1	3615280	NonCancer	1.18E-03	4.00E-06	7.40E-04	0.00E+00	0.00E+00	7.40E-04	4.00E-06	0.00E+00	4.00E-06	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00	1.18E-03
1941	ALL	490543	3615301	NonCancer	1.43E-03	4.85E-06	8.97E-04	0.00E+00	0.00E+00	8.97E-04	4.85E-06	0.00E+00	4.85E-06	0.00E+00	0.00E+00	8.97E-04	0.00E+00	0.00E+00	1.43E-03
1942	ALL	490524.8	3615321	NonCancer	1.56E-03	5.31E-06	9.83E-04	0.00E+00	0.00E+00	9.83E-04	5.31E-06	0.00E+00	5.31E-06	0.00E+00	0.00E+00	9.83E-04	0.00E+00	0.00E+00	1.56E-03
1943	ALL	490506.6	3615342	NonCancer	1.58E-03	5.38E-06	9.97E-04	0.00E+00	0.00E+00	9.97E-04	5.38E-06	0.00E+00	5.38E-06	0.00E+00	0.00E+00	9.97E-04	0.00E+00	0.00E+00	1.58E-03
1944	ALL	490406.7	3615456	NonCancer	1.47E-03	5.01E-06	9.28E-04	0.00E+00	0.00E+00	9.28E-04	5.01E-06	0.00E+00	5.01E-06	0.00E+00	0.00E+00	9.28E-04	0.00E+00	0.00E+00	1.47E-03
1945	ALL	490379.5	3615487	NonCancer	1.47E-03	4.99E-06	9.24E-04	0.00E+00	0.00E+00	9.24E-04	4.99E-06	0.00E+00	4.99E-06	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00	1.47E-03
1946	ALL	490361.3	3615507	NonCancer	1.32E-03	4.50E-06	8.33E-04	0.00E+00	0.00E+00	8.33E-04	4.50E-06	0.00E+00	4.50E-06	0.00E+00	0.00E+00	8.33E-04	0.00E+00	0.00E+00	1.32E-03
1947	ALL	490343.1	3615528	NonCancer	1.52E-03	5.15E-06	9.54E-04	0.00E+00	0.00E+00	9.54E-04	5.15E-06	0.00E+00	5.15E-06	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	1.52E-03
1948	ALL	490325	3615549	NonCancer	1.68E-03	5.70E-06	1.05E-03	0.00E+00	0.00E+00	1.05E-03	5.70E-06	0.00E+00	5.70E-06	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.68E-03
1949	ALL	490306.8	3615569	NonCancer	1.70E-03	5.77E-06	1.07E-03	0.00E+00	0.00E+00	1.07E-03	5.77E-06	0.00E+00	5.77E-06	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.70E-03
1950	ALL	490288.6	3615590	NonCancer	1.58E-03	5.36E-06	9.93E-04	0.00E+00	0.00E+00	9.93E-04	5.36E-06	0.00E+00	5.36E-06	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	1.58E-03
1951	ALL	490270.4	3615611	NonCancer	1.41E-03	4.81E-06	8.91E-04	0.00E+00	0.00E+00	8.91E-04	4.81E-06	0.00E+00	4.81E-06	0.00E+00	0.00E+00	8.91E-04	0.00E+00	0.00E+00	1.41E-03
1952	ALL	490252.3	3615631	NonCancer	1.35E-03	4.58E-06	8.47E-04	0.00E+00	0.00E+00	8.47E-04	4.58E-06	0.00E+00	4.58E-06	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	1.35E-03
1953	ALL	490234.1	3615652	NonCancer	1.19E-03	4.06E-06	7.52E-04	0.00E+00	0.00E+00	7.52E-04	4.06E-06	0.00E+00	4.06E-06	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00	1.19E-03
1954	ALL	490215.9	3615673	NonCancer	1.40E-03	4.76E-06	8.81E-04	0.00E+00	0.00E+00	8.81E-04	4.76E-06	0.00E+00	4.76E-06	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00	1.40E-03
1955	ALL	490197.8	3615693	NonCancer	1.64E-03	5.58E-06	1.03E-03	0.00E+00	0.00E+00	1.03E-03	5.58E-06	0.00E+00	5.58E-06	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.64E-03
1956	ALL	490179.6	3615714	NonCancer	1.75E-03	5.96E-06	1.10E-03	0.00E+00	0.00E+00	1.10E-03	5.96E-06	0.00E+00	5.96E-06	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	1.75E-03
1957	ALL	490125.1	3615776	NonCancer	1.53E-03	5.21E-06	9.65E-04	0.00E+00	0.00E+00	9.65E-04	5.21E-06	0.00E+00	5.21E-06	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00	1.53E-03
1958	ALL	490106.9	3615797	NonCancer	1.68E-03	5.70E-06	1.06E-03	0.00E+00	0.00E+00	1.06E-03	5.70E-06	0.00E+00	5.70E-06	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.68E-03
1959	ALL	490088.8	3615817	NonCancer	1.75E-03	5.94E-06	1.10E-03	0.00E+00	0.00E+00	1.10E-03	5.94E-06	0.00E+00	5.94E-06	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	1.75E-03
1960	ALL	490070.6	3615838	NonCancer	1.74E-03	5.92E-06	1.10E-03	0.00E+00	0.00E+00	1.10E-03	5.92E-06	0.00E+00	5.92E-06	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	1.74E-03
1961	ALL	490899.8	3613765	NonCancer	9.03E-04	3.07E-06	5.69E-04	0.00E+00	0.00E+00	5.69E-04	3.07E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	9.03E-04
1962	ALL	491287	3613680	NonCancer	7.40E-04	2.52E-06	4.66E-04	0.00E+00	0.00E+00	4.66E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	7.40E-04
1963	ALL	491285.6	3613708	NonCancer	7.23E-04	2.46E-06	4.55E-04	0.00E+00	0.00E+00	4.55E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	7.23E-04
1964	ALL	491284.1	3613736	NonCancer	6.75E-04	2.30E-06	4.25E-04	0.00E+00	0.00E+00	4.25E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	6.75E-04
1965	ALL	491282.7	3613764	NonCancer	6.10E-04	2.08E-06	3.84E-04	0.00E+00	0.00E+00	3.84E-04	2.08E-06	0.00E+00	2.08E-06	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	6.10E-04
1966	ALL	491281.3	3613791	NonCancer	5.39E-04	1.83E-06	3.40E-04	0.00E+00	0.00E+00	3.40E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	5.39E-04
1967	ALL	491279.9	3613819	NonCancer	6.16E-04	2.09E-06	3.88E-04	0.00E+00	0.00E+00	3.88E-04	2.09E-06	0.00E+00	2.09E-06	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	6.16E-04
1968	ALL	491278.4	3613847	NonCancer	6.96E-04	2.37E-06	4.38E-04	0.00E+00	0.00E+00	4.38E-04	2.37E-06	0.00E+00	2.37E-06	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	6.96E-04
1969	ALL	491277	3613875	NonCancer	7.58E-04	2.58E-06	4.77E-04	0.00E+00	0.00E+00	4.77E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	7.58E-04
1970	ALL	491275.6	3613902	NonCancer	7.89E-04	2.68E-06	4.96E-04	0.00E+00	0.00E+00	4.96E-04	2.68E-06	0.00E+00	2.68E-06	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	7.89E-04
1971	ALL	491274.1	3613930	NonCancer	7.92E-04	2.69E-06	4.98E-04	0.00E+00	0.00E+00	4.98E-04	2.69E-06	0.00E+00	2.69E-06	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	7.92E-04
1972	ALL	491272.7	3613958	NonCancer	7.63E-04	2.59E-06	4.80E-04	0.00E+00	0.00E+00	4.80E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	7.63E-04
1973	ALL	491271.3	3613986	NonCancer	6.82E-04	2.32E-06	4.29E-04	0.00E+00	0.00E+00	4.29E-04	2.32E-06	0.00E+00	2.32E-06	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	6.82E-04
1974	ALL	491269.8	3614013	NonCancer	6.96E-04	2.37E-06	4.38E-04	0.00E+00	0.00E+00	4.38E-04	2.37E-06	0.00E+00	2.37E-06	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	6.96E-04
1975	ALL	491268.4	3614041	NonCancer	6.93E-04	2.36E-06	4.36E-04	0.00E+00	0.00E+00	4.36E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	6.93E-04

1976	ALL	491267	3614069	NonCancer	6.51E-04	2.21E-06	4.10E-04	0.00E+00	0.00E+00	4.10E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	6.51E-04
1977	ALL	491265.5	3614097	NonCancer	6.53E-04	2.22E-06	4.11E-04	0.00E+00	0.00E+00	4.11E-04	2.22E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	6.53E-04
1978	ALL	491264.1	3614125	NonCancer	7.21E-04	2.45E-06	4.54E-04	0.00E+00	0.00E+00	4.54E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	7.21E-04
1979	ALL	491262.7	3614152	NonCancer	7.61E-04	2.59E-06	4.79E-04	0.00E+00	0.00E+00	4.79E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	7.61E-04
1980	ALL	491261.2	3614180	NonCancer	7.62E-04	2.59E-06	4.80E-04	0.00E+00	0.00E+00	4.80E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	7.62E-04
1981	ALL	491259.8	3614208	NonCancer	7.60E-04	2.58E-06	4.79E-04	0.00E+00	0.00E+00	4.79E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	7.60E-04
1982	ALL	491258.4	3614236	NonCancer	7.40E-04	2.52E-06	4.66E-04	0.00E+00	0.00E+00	4.66E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	7.40E-04
1983	ALL	491256.9	3614263	NonCancer	6.69E-04	2.27E-06	4.21E-04	0.00E+00	0.00E+00	4.21E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	6.69E-04
1984	ALL	491255.5	3614291	NonCancer	6.59E-04	2.24E-06	4.15E-04	0.00E+00	0.00E+00	4.15E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	6.59E-04
1985	ALL	491254.1	3614319	NonCancer	6.77E-04	2.30E-06	4.26E-04	0.00E+00	0.00E+00	4.26E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	6.77E-04
1986	ALL	491252.6	3614347	NonCancer	6.84E-04	2.32E-06	4.30E-04	0.00E+00	0.00E+00	4.30E-04	2.32E-06	0.00E+00	2.32E-06	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	6.84E-04
1987	ALL	491251.2	3614374	NonCancer	6.51E-04	2.21E-06	4.10E-04	0.00E+00	0.00E+00	4.10E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	6.51E-04
1988	ALL	491249.8	3614402	NonCancer	6.42E-04	2.18E-06	4.04E-04	0.00E+00	0.00E+00	4.04E-04	2.18E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	6.42E-04
1989	ALL	491248.3	3614430	NonCancer	6.44E-04	2.19E-06	4.05E-04	0.00E+00	0.00E+00	4.05E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	6.44E-04
1990	ALL	491246.9	3614458	NonCancer	5.90E-04	2.01E-06	3.72E-04	0.00E+00	0.00E+00	3.72E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	5.90E-04
1991	ALL	491245.5	3614486	NonCancer	5.00E-04	1.70E-06	3.15E-04	0.00E+00	0.00E+00	3.15E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	5.00E-04
1992	ALL	491244	3614513	NonCancer	4.13E-04	1.40E-06	2.60E-04	0.00E+00	0.00E+00	2.60E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	4.13E-04
1993	ALL	491242.6	3614541	NonCancer	4.08E-04	1.39E-06	2.57E-04	0.00E+00	0.00E+00	2.57E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	4.08E-04
1994	ALL	491241.2	3614569	NonCancer	4.42E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.42E-04
1995	ALL	491239.7	3614597	NonCancer	4.65E-04	1.58E-06	2.93E-04	0.00E+00	0.00E+00	2.93E-04	1.58E-06	0.00E+00	1.58E-06	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	4.65E-04
1996	ALL	491238.3	3614624	NonCancer	4.92E-04	1.67E-06	3.10E-04	0.00E+00	0.00E+00	3.10E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	4.92E-04
1997	ALL	491236.9	3614652	NonCancer	5.48E-04	1.86E-06	3.45E-04	0.00E+00	0.00E+00	3.45E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	5.48E-04
1998	ALL	491235.5	3614680	NonCancer	5.56E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.56E-04
1999	ALL	491234	3614708	NonCancer	5.43E-04	1.85E-06	3.42E-04	0.00E+00	0.00E+00	3.42E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	5.43E-04
2000	ALL	491229	3614805	NonCancer	4.50E-04	1.53E-06	2.84E-04	0.00E+00	0.00E+00	2.84E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	4.50E-04
2001	ALL	491227.6	3614833	NonCancer	4.31E-04	1.47E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.31E-04
2002	ALL	491226.1	3614860	NonCancer	4.97E-04	1.69E-06	3.13E-04	0.00E+00	0.00E+00	3.13E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	4.97E-04
2003	ALL	491224.7	3614888	NonCancer	5.39E-04	1.83E-06	3.39E-04	0.00E+00	0.00E+00	3.39E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	5.39E-04
2004	ALL	491223.3	3614916	NonCancer	5.62E-04	1.91E-06	3.54E-04	0.00E+00	0.00E+00	3.54E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	5.62E-04
2005	ALL	491221.8	3614944	NonCancer	5.86E-04	1.99E-06	3.69E-04	0.00E+00	0.00E+00	3.69E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	5.86E-04
2006	ALL	491220.4	3614972	NonCancer	5.81E-04	1.97E-06	3.66E-04	0.00E+00	0.00E+00	3.66E-04	1.97E-06	0.00E+00	1.97E-06	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	5.81E-04
2007	ALL	491219	3614999	NonCancer	5.55E-04	1.89E-06	3.49E-04	0.00E+00	0.00E+00	3.49E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	5.55E-04
2008	ALL	491217.5	3615027	NonCancer	5.24E-04	1.78E-06	3.30E-04	0.00E+00	0.00E+00	3.30E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	5.24E-04
2009	ALL	491216.1	3615055	NonCancer	5.73E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.73E-04
2010	ALL	491214.7	3615083	NonCancer	6.39E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.39E-04
2011	ALL	491204.1	3615121	NonCancer	6.76E-04	2.30E-06	4.26E-04	0.00E+00	0.00E+00	4.26E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	6.76E-04
2012	ALL	491185.7	3615142	NonCancer	6.38E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.38E-04
2013	ALL	491167.3	3615163	NonCancer	5.74E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.74E-04
2014	ALL	491149	3615184	NonCancer	5.35E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.35E-04
2015	ALL	491130.6	3615204	NonCancer	5.87E-04	2.00E-06	3.69E-04	0.00E+00	0.00E+00	3.69E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	5.87E-04
2016	ALL	491112.3	3615225	NonCancer	6.92E-04	2.35E-06	4.35E-04	0.00E+00	0.00E+00	4.35E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	6.92E-04
2017	ALL	491093.9	3615246	NonCancer	8.15E-04	2.77E-06	5.13E-04	0.00E+00	0.00E+00	5.13E-04	2.77E-06	0.00E+00	2.77E-06	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	8.15E-04
2018	ALL	491075.5	3615267	NonCancer	8.77E-04	2.98E-06	5.52E-04	0.00E+00	0.00E+00	5.52E-04	2.98E-06	0.00E+00	2.98E-06	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	8.77E-04
2019	ALL	491057.2	3615288	NonCancer	8.77E-04	2.98E-06	5.52E-04	0.00E+00	0.00E+00	5.52E-04	2.98E-06	0.00E+00	2.98E-06	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	8.77E-04
2020	ALL	491038.8	3615309	NonCancer	1.04E-03	3.53E-06	6.53E-04	0.00E+00	0.00E+00	6.53E-04	3.53E-06	0.00E+00	3.53E-06	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	1.04E-03
2021	ALL	491020.4	3615330	NonCancer	6.27E-04	2.13E-06	3.95E-04	0.00E+00	0.00E+00	3.95E-04	2.13E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	6.27E-04
2022	ALL	491002.1	3615351	NonCancer	6.05E-04	2.06E-06	3.81E-04	0.00E+00	0.00E+00	3.81E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	6.05E-04
2023	ALL	490983.7	3615371	NonCancer	5.67E-04	1.93E-06	3.57E-04	0.00E+00	0.00E+00	3.57E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	5.67E-04
2024	ALL	490965.4	3615392	NonCancer	5.58E-04	1.90E-06	3.51E-04	0.00E+00	0.00E+00	3.51E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	5.58E-04
2025	ALL	490947	3615413	NonCancer	5.42E-04	1.84E-06	3.41E-04	0.00E+00	0.00E+00	3.41E-04	1.84E-06	0.00E+00	1.84E-06	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	5.42E-04
2026	ALL	490928.6	3615434	NonCancer	5.02E-04	1.71E-06	3.16E-04	0.00E+00	0.00E+00	3.16E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	5.02E-04
2027	ALL	490910.3	3615455	NonCancer	5.35E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.35E-04

2028	ALL	490891.9	3615476	NonCancer	6.55E-04	2.23E-06	4.13E-04	0.00E+00	0.00E+00	4.13E-04	2.23E-06	0.00E+00	2.23E-06	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	6.55E-04
2029	ALL	490873.6	3615497	NonCancer	7.87E-04	2.68E-06	4.95E-04	0.00E+00	0.00E+00	4.95E-04	2.68E-06	0.00E+00	2.68E-06	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	7.87E-04
2030	ALL	490855.2	3615518	NonCancer	1.02E-03	3.48E-06	6.45E-04	0.00E+00	0.00E+00	6.45E-04	3.48E-06	0.00E+00	3.48E-06	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	1.02E-03
2031	ALL	490836.8	3615539	NonCancer	1.19E-03	4.05E-06	7.50E-04	0.00E+00	0.00E+00	7.50E-04	4.05E-06	0.00E+00	4.05E-06	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	1.19E-03
2032	ALL	490818.5	3615559	NonCancer	1.25E-03	4.26E-06	7.89E-04	0.00E+00	0.00E+00	7.89E-04	4.26E-06	0.00E+00	4.26E-06	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00	1.25E-03
2033	ALL	490800.1	3615580	NonCancer	1.25E-03	4.25E-06	7.87E-04	0.00E+00	0.00E+00	7.87E-04	4.25E-06	0.00E+00	4.25E-06	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	1.25E-03
2034	ALL	490671.6	3615726	NonCancer	1.09E-03	3.72E-06	6.89E-04	0.00E+00	0.00E+00	6.89E-04	3.72E-06	0.00E+00	3.72E-06	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	1.09E-03
2035	ALL	490644	3615758	NonCancer	1.07E-03	3.64E-06	6.74E-04	0.00E+00	0.00E+00	6.74E-04	3.64E-06	0.00E+00	3.64E-06	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	1.07E-03
2036	ALL	490625.7	3615779	NonCancer	9.68E-04	3.29E-06	6.09E-04	0.00E+00	0.00E+00	6.09E-04	3.29E-06	0.00E+00	3.29E-06	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	9.68E-04
2037	ALL	490607.3	3615800	NonCancer	9.79E-04	3.33E-06	6.17E-04	0.00E+00	0.00E+00	6.17E-04	3.33E-06	0.00E+00	3.33E-06	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	9.79E-04
2038	ALL	490588.9	3615820	NonCancer	1.16E-03	3.94E-06	7.30E-04	0.00E+00	0.00E+00	7.30E-04	3.94E-06	0.00E+00	3.94E-06	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	1.16E-03
2039	ALL	490570.6	3615841	NonCancer	1.27E-03	4.30E-06	7.97E-04	0.00E+00	0.00E+00	7.97E-04	4.30E-06	0.00E+00	4.30E-06	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	1.27E-03
2040	ALL	490552.2	3615862	NonCancer	1.27E-03	4.31E-06	7.98E-04	0.00E+00	0.00E+00	7.98E-04	4.31E-06	0.00E+00	4.31E-06	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00	1.27E-03
2041	ALL	490533.8	3615883	NonCancer	1.16E-03	3.94E-06	7.29E-04	0.00E+00	0.00E+00	7.29E-04	3.94E-06	0.00E+00	3.94E-06	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	1.16E-03
2042	ALL	490515.5	3615904	NonCancer	1.10E-03	3.74E-06	6.93E-04	0.00E+00	0.00E+00	6.93E-04	3.74E-06	0.00E+00	3.74E-06	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00	1.10E-03
2043	ALL	490497.1	3615925	NonCancer	1.07E-03	3.64E-06	6.73E-04	0.00E+00	0.00E+00	6.73E-04	3.64E-06	0.00E+00	3.64E-06	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	1.07E-03
2044	ALL	490478.8	3615946	NonCancer	9.63E-04	3.27E-06	6.06E-04	0.00E+00	0.00E+00	6.06E-04	3.27E-06	0.00E+00	3.27E-06	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	9.63E-04
2045	ALL	490460.4	3615967	NonCancer	8.56E-04	2.91E-06	5.39E-04	0.00E+00	0.00E+00	5.39E-04	2.91E-06	0.00E+00	2.91E-06	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	8.56E-04
2046	ALL	490442	3615988	NonCancer	9.36E-04	3.18E-06	5.89E-04	0.00E+00	0.00E+00	5.89E-04	3.18E-06	0.00E+00	3.18E-06	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	9.36E-04
2047	ALL	490423.7	3616008	NonCancer	1.11E-03	3.78E-06	7.00E-04	0.00E+00	0.00E+00	7.00E-04	3.78E-06	0.00E+00	3.78E-06	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00	1.11E-03
2048	ALL	490405.3	3616029	NonCancer	1.22E-03	4.15E-06	7.68E-04	0.00E+00	0.00E+00	7.68E-04	4.15E-06	0.00E+00	4.15E-06	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	1.22E-03
2049	ALL	490387	3616050	NonCancer	1.24E-03	4.22E-06	7.81E-04	0.00E+00	0.00E+00	7.81E-04	4.22E-06	0.00E+00	4.22E-06	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	1.24E-03
2050	ALL	490350.2	3616092	NonCancer	1.08E-03	3.69E-06	6.83E-04	0.00E+00	0.00E+00	6.83E-04	3.69E-06	0.00E+00	3.69E-06	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	1.08E-03
2051	ALL	490331.9	3616113	NonCancer	1.07E-03	3.65E-06	6.76E-04	0.00E+00	0.00E+00	6.76E-04	3.65E-06	0.00E+00	3.65E-06	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	1.07E-03
2052	ALL	490313.5	3616134	NonCancer	9.81E-04	3.34E-06	6.18E-04	0.00E+00	0.00E+00	6.18E-04	3.34E-06	0.00E+00	3.34E-06	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	9.81E-04
2053	ALL	490295.1	3616155	NonCancer	1.00E-03	3.41E-06	6.32E-04	0.00E+00	0.00E+00	6.32E-04	3.41E-06	0.00E+00	3.41E-06	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	1.00E-03
2054	ALL	490276.8	3616175	NonCancer	9.70E-04	3.30E-06	6.11E-04	0.00E+00	0.00E+00	6.11E-04	3.30E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	9.70E-04
2055	ALL	491283.8	3613653	NonCancer	7.29E-04	2.48E-06	4.59E-04	0.00E+00	0.00E+00	4.59E-04	2.48E-06	0.00E+00	2.48E-06	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	7.29E-04
2056	ALL	491671.1	3613568	NonCancer	5.63E-04	1.91E-06	3.54E-04	0.00E+00	0.00E+00	3.54E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	5.63E-04
2057	ALL	491669.6	3613596	NonCancer	5.90E-04	2.00E-06	3.71E-04	0.00E+00	0.00E+00	3.71E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	5.90E-04
2058	ALL	491668.2	3613624	NonCancer	5.86E-04	1.99E-06	3.69E-04	0.00E+00	0.00E+00	3.69E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	5.86E-04
2059	ALL	491666.8	3613652	NonCancer	5.45E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.45E-04
2060	ALL	491665.3	3613679	NonCancer	4.93E-04	1.67E-06	3.10E-04	0.00E+00	0.00E+00	3.10E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	4.93E-04
2061	ALL	491663.9	3613707	NonCancer	4.40E-04	1.49E-06	2.77E-04	0.00E+00	0.00E+00	2.77E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	4.40E-04
2062	ALL	491662.5	3613735	NonCancer	4.86E-04	1.65E-06	3.06E-04	0.00E+00	0.00E+00	3.06E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	4.86E-04
2063	ALL	491661	3613763	NonCancer	5.62E-04	1.91E-06	3.54E-04	0.00E+00	0.00E+00	3.54E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	5.62E-04
2064	ALL	491659.6	3613790	NonCancer	6.25E-04	2.12E-06	3.93E-04	0.00E+00	0.00E+00	3.93E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	6.25E-04
2065	ALL	491658.2	3613818	NonCancer	6.68E-04	2.27E-06	4.20E-04	0.00E+00	0.00E+00	4.20E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	6.68E-04
2066	ALL	491656.8	3613846	NonCancer	6.87E-04	2.34E-06	4.33E-04	0.00E+00	0.00E+00	4.33E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	6.87E-04
2067	ALL	491655.3	3613874	NonCancer	6.78E-04	2.30E-06	4.27E-04	0.00E+00	0.00E+00	4.27E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	6.78E-04
2068	ALL	491653.9	3613901	NonCancer	6.40E-04	2.18E-06	4.03E-04	0.00E+00	0.00E+00	4.03E-04	2.18E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	6.40E-04
2069	ALL	491652.5	3613929	NonCancer	5.79E-04	1.97E-06	3.64E-04	0.00E+00	0.00E+00	3.64E-04	1.97E-06	0.00E+00	1.97E-06	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	5.79E-04
2070	ALL	491651	3613957	NonCancer	5.72E-04	1.94E-06	3.60E-04	0.00E+00	0.00E+00	3.60E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	5.72E-04
2071	ALL	491649.6	3613985	NonCancer	5.82E-04	1.98E-06	3.66E-04	0.00E+00	0.00E+00	3.66E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	5.82E-04
2072	ALL	491648.2	3614012	NonCancer	5.70E-04	1.94E-06	3.59E-04	0.00E+00	0.00E+00	3.59E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	5.70E-04
2073	ALL	491646.7	3614040	NonCancer	5.36E-04	1.82E-06	3.38E-04	0.00E+00	0.00E+00	3.38E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	5.36E-04
2074	ALL	491645.3	3614068	NonCancer	5.56E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.56E-04
2075	ALL	491643.9	3614096	NonCancer	6.13E-04	2.08E-06	3.86E-04	0.00E+00	0.00E+00	3.86E-04	2.08E-06	0.00E+00	2.08E-06	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	6.13E-04
2076	ALL	491642.4	3614123	NonCancer	6.51E-04	2.21E-06	4.10E-04	0.00E+00	0.00E+00	4.10E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	6.51E-04
2077	ALL	491641	3614151	NonCancer	6.59E-04	2.24E-06	4.15E-04	0.00E+00	0.00E+00	4.15E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	6.59E-04
2078	ALL	491639.6	3614179	NonCancer	6.33E-04	2.15E-06	3.98E-04	0.00E+00	0.00E+00	3.98E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	6.33E-04
2079	ALL	491638.1	3614207	NonCancer	6.29E-04	2.14E-06	3.96E-04	0.00E+00	0.00E+00	3.96E-04	2.14E-06	0.00E+00	2.14E-06	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	6.29E-04

2080	ALL	491636.7	3614234	NonCancer	6.25E-04	2.12E-06	3.93E-04	0.00E+00	0.00E+00	3.93E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	6.25E-04
2081	ALL	491635.3	3614262	NonCancer	5.94E-04	2.02E-06	3.74E-04	0.00E+00	0.00E+00	3.74E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	5.94E-04
2082	ALL	491633.9	3614290	NonCancer	5.45E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.45E-04
2083	ALL	491632.4	3614318	NonCancer	6.11E-04	2.08E-06	3.85E-04	0.00E+00	0.00E+00	3.85E-04	2.08E-06	0.00E+00	2.08E-06	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	6.11E-04
2084	ALL	491631	3614345	NonCancer	6.48E-04	2.20E-06	4.08E-04	0.00E+00	0.00E+00	4.08E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	6.48E-04
2085	ALL	491629.6	3614373	NonCancer	6.57E-04	2.23E-06	4.13E-04	0.00E+00	0.00E+00	4.13E-04	2.23E-06	0.00E+00	2.23E-06	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	6.57E-04
2086	ALL	491628.1	3614401	NonCancer	6.36E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.36E-04
2087	ALL	491626.7	3614429	NonCancer	6.86E-04	2.33E-06	4.32E-04	0.00E+00	0.00E+00	4.32E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	6.86E-04
2088	ALL	491625.3	3614456	NonCancer	7.48E-04	2.54E-06	4.71E-04	0.00E+00	0.00E+00	4.71E-04	2.54E-06	0.00E+00	2.54E-06	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	7.48E-04
2089	ALL	491623.8	3614484	NonCancer	7.55E-04	2.57E-06	4.75E-04	0.00E+00	0.00E+00	4.75E-04	2.57E-06	0.00E+00	2.57E-06	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	7.55E-04
2090	ALL	491622.4	3614512	NonCancer	6.95E-04	2.36E-06	4.38E-04	0.00E+00	0.00E+00	4.38E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	6.95E-04
2091	ALL	491621	3614540	NonCancer	5.72E-04	1.95E-06	3.60E-04	0.00E+00	0.00E+00	3.60E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	5.72E-04
2092	ALL	491619.5	3614567	NonCancer	4.47E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.47E-04
2093	ALL	491618.1	3614595	NonCancer	4.24E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.24E-04
2094	ALL	491616.7	3614623	NonCancer	4.72E-04	1.61E-06	2.97E-04	0.00E+00	0.00E+00	2.97E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	4.72E-04
2095	ALL	491615.2	3614651	NonCancer	4.94E-04	1.68E-06	3.11E-04	0.00E+00	0.00E+00	3.11E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	4.94E-04
2096	ALL	491613.8	3614678	NonCancer	4.89E-04	1.66E-06	3.08E-04	0.00E+00	0.00E+00	3.08E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	4.89E-04
2097	ALL	491612.4	3614706	NonCancer	5.40E-04	1.84E-06	3.40E-04	0.00E+00	0.00E+00	3.40E-04	1.84E-06	0.00E+00	1.84E-06	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	5.40E-04
2098	ALL	491611	3614734	NonCancer	5.86E-04	1.99E-06	3.69E-04	0.00E+00	0.00E+00	3.69E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	5.86E-04
2099	ALL	491609.5	3614762	NonCancer	5.93E-04	2.02E-06	3.73E-04	0.00E+00	0.00E+00	3.73E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	5.93E-04
2100	ALL	491608.1	3614789	NonCancer	5.58E-04	1.90E-06	3.51E-04	0.00E+00	0.00E+00	3.51E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	5.58E-04
2101	ALL	491603.1	3614887	NonCancer	5.14E-04	1.75E-06	3.24E-04	0.00E+00	0.00E+00	3.24E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	5.14E-04
2102	ALL	491601.7	3614914	NonCancer	5.76E-04	1.96E-06	3.63E-04	0.00E+00	0.00E+00	3.63E-04	1.96E-06	0.00E+00	1.96E-06	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	5.76E-04
2103	ALL	491600.2	3614942	NonCancer	6.01E-04	2.04E-06	3.79E-04	0.00E+00	0.00E+00	3.79E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	6.01E-04
2104	ALL	491598.8	3614970	NonCancer	6.87E-04	2.34E-06	4.32E-04	0.00E+00	0.00E+00	4.32E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	6.87E-04
2105	ALL	491597.4	3614998	NonCancer	7.66E-04	2.61E-06	4.82E-04	0.00E+00	0.00E+00	4.82E-04	2.61E-06	0.00E+00	2.61E-06	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	7.66E-04
2106	ALL	491595.9	3615025	NonCancer	7.71E-04	2.62E-06	4.85E-04	0.00E+00	0.00E+00	4.85E-04	2.62E-06	0.00E+00	2.62E-06	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	7.71E-04
2107	ALL	491594.5	3615053	NonCancer	8.08E-04	2.75E-06	5.09E-04	0.00E+00	0.00E+00	5.09E-04	2.75E-06	0.00E+00	2.75E-06	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	8.08E-04
2108	ALL	491593.1	3615081	NonCancer	8.28E-04	2.82E-06	5.22E-04	0.00E+00	0.00E+00	5.22E-04	2.82E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	8.28E-04
2109	ALL	491591.6	3615109	NonCancer	7.89E-04	2.68E-06	4.97E-04	0.00E+00	0.00E+00	4.97E-04	2.68E-06	0.00E+00	2.68E-06	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	7.89E-04
2110	ALL	491590.2	3615136	NonCancer	7.16E-04	2.44E-06	4.51E-04	0.00E+00	0.00E+00	4.51E-04	2.44E-06	0.00E+00	2.44E-06	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	7.16E-04
2111	ALL	491588.8	3615164	NonCancer	6.18E-04	2.10E-06	3.89E-04	0.00E+00	0.00E+00	3.89E-04	2.10E-06	0.00E+00	2.10E-06	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	6.18E-04
2112	ALL	491587.3	3615192	NonCancer	5.17E-04	1.76E-06	3.25E-04	0.00E+00	0.00E+00	3.25E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	5.17E-04
2113	ALL	491585.9	3615220	NonCancer	5.10E-04	1.73E-06	3.21E-04	0.00E+00	0.00E+00	3.21E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	5.10E-04
2114	ALL	491584.5	3615247	NonCancer	5.44E-04	1.85E-06	3.42E-04	0.00E+00	0.00E+00	3.42E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	5.44E-04
2115	ALL	491574.6	3615272	NonCancer	5.53E-04	1.88E-06	3.48E-04	0.00E+00	0.00E+00	3.48E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	5.53E-04
2116	ALL	491556.2	3615292	NonCancer	5.27E-04	1.79E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.27E-04
2117	ALL	491537.9	3615313	NonCancer	4.77E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.77E-04
2118	ALL	491519.5	3615334	NonCancer	4.72E-04	1.61E-06	2.97E-04	0.00E+00	0.00E+00	2.97E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	4.72E-04
2119	ALL	491501.2	3615355	NonCancer	4.61E-04	1.57E-06	2.90E-04	0.00E+00	0.00E+00	2.90E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	4.61E-04
2120	ALL	491482.8	3615376	NonCancer	5.91E-04	2.01E-06	3.72E-04	0.00E+00	0.00E+00	3.72E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	5.91E-04
2121	ALL	491464.5	3615397	NonCancer	8.07E-04	2.74E-06	5.08E-04	0.00E+00	0.00E+00	5.08E-04	2.74E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	8.07E-04
2122	ALL	491446.1	3615418	NonCancer	8.39E-04	2.85E-06	5.28E-04	0.00E+00	0.00E+00	5.28E-04	2.85E-06	0.00E+00	2.85E-06	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	8.39E-04
2123	ALL	491427.8	3615439	NonCancer	7.94E-04	2.70E-06	5.00E-04	0.00E+00	0.00E+00	5.00E-04	2.70E-06	0.00E+00	2.70E-06	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	7.94E-04
2124	ALL	491409.4	3615459	NonCancer	7.44E-04	2.53E-06	4.68E-04	0.00E+00	0.00E+00	4.68E-04	2.53E-06	0.00E+00	2.53E-06	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	7.44E-04
2125	ALL	491391.1	3615480	NonCancer	7.23E-04	2.46E-06	4.55E-04	0.00E+00	0.00E+00	4.55E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	7.23E-04
2126	ALL	491372.8	3615501	NonCancer	7.13E-04	2.43E-06	4.49E-04	0.00E+00	0.00E+00	4.49E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	7.13E-04
2127	ALL	491354.4	3615522	NonCancer	7.27E-04	2.47E-06	4.58E-04	0.00E+00	0.00E+00	4.58E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	7.27E-04
2128	ALL	491336.1	3615543	NonCancer	7.18E-04	2.44E-06	4.52E-04	0.00E+00	0.00E+00	4.52E-04	2.44E-06	0.00E+00	2.44E-06	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	7.18E-04
2129	ALL	491317.7	3615564	NonCancer	6.73E-04	2.29E-06	4.24E-04	0.00E+00	0.00E+00	4.24E-04	2.29E-06	0.00E+00	2.29E-06	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	6.73E-04
2130	ALL	491299.4	3615585	NonCancer	6.07E-04	2.06E-06	3.82E-04	0.00E+00	0.00E+00	3.82E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	6.07E-04
2131	ALL	491281	3615605	NonCancer	5.88E-04	2.00E-06	3.70E-04	0.00E+00	0.00E+00	3.70E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	5.88E-04

2132	ALL	491262.7	3615626	NonCancer	5.61E-04	1.91E-06	3.53E-04	0.00E+00	0.00E+00	3.53E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	5.61E-04
2133	ALL	491244.3	3615647	NonCancer	5.48E-04	1.86E-06	3.45E-04	0.00E+00	0.00E+00	3.45E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	5.48E-04
2134	ALL	491226	3615668	NonCancer	5.41E-04	1.84E-06	3.41E-04	0.00E+00	0.00E+00	3.41E-04	1.84E-06	0.00E+00	1.84E-06	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	5.41E-04
2135	ALL	491207.6	3615689	NonCancer	6.08E-04	2.07E-06	3.83E-04	0.00E+00	0.00E+00	3.83E-04	2.07E-06	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	6.08E-04
2136	ALL	491189.3	3615710	NonCancer	7.39E-04	2.51E-06	4.65E-04	0.00E+00	0.00E+00	4.65E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	7.39E-04
2137	ALL	491170.9	3615731	NonCancer	8.60E-04	2.92E-06	5.41E-04	0.00E+00	0.00E+00	5.41E-04	2.92E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	8.60E-04
2138	ALL	491152.6	3615752	NonCancer	9.43E-04	3.21E-06	5.94E-04	0.00E+00	0.00E+00	5.94E-04	3.21E-06	0.00E+00	3.21E-06	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	9.43E-04
2139	ALL	491134.2	3615772	NonCancer	9.83E-04	3.34E-06	6.19E-04	0.00E+00	0.00E+00	6.19E-04	3.34E-06	0.00E+00	3.34E-06	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	9.83E-04
2140	ALL	491115.9	3615793	NonCancer	9.68E-04	3.29E-06	6.10E-04	0.00E+00	0.00E+00	6.10E-04	3.29E-06	0.00E+00	3.29E-06	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	9.68E-04
2141	ALL	491097.5	3615814	NonCancer	9.08E-04	3.09E-06	5.71E-04	0.00E+00	0.00E+00	5.71E-04	3.09E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	9.08E-04
2142	ALL	491079.2	3615835	NonCancer	7.61E-04	2.59E-06	4.79E-04	0.00E+00	0.00E+00	4.79E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	7.61E-04
2143	ALL	490932.4	3616002	NonCancer	7.42E-04	2.52E-06	4.67E-04	0.00E+00	0.00E+00	4.67E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	7.42E-04
2144	ALL	490914	3616023	NonCancer	7.42E-04	2.52E-06	4.67E-04	0.00E+00	0.00E+00	4.67E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	7.42E-04
2145	ALL	490895.7	3616044	NonCancer	7.14E-04	2.43E-06	4.49E-04	0.00E+00	0.00E+00	4.49E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	7.14E-04
2146	ALL	490877.3	3616065	NonCancer	7.07E-04	2.40E-06	4.45E-04	0.00E+00	0.00E+00	4.45E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	7.07E-04
2147	ALL	490859	3616085	NonCancer	7.11E-04	2.42E-06	4.47E-04	0.00E+00	0.00E+00	4.47E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	7.11E-04
2148	ALL	490840.6	3616106	NonCancer	8.66E-04	2.94E-06	5.45E-04	0.00E+00	0.00E+00	5.45E-04	2.94E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	8.66E-04
2149	ALL	490822.3	3616127	NonCancer	9.83E-04	3.34E-06	6.19E-04	0.00E+00	0.00E+00	6.19E-04	3.34E-06	0.00E+00	3.34E-06	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	9.83E-04
2150	ALL	490803.9	3616148	NonCancer	1.01E-03	3.43E-06	6.35E-04	0.00E+00	0.00E+00	6.35E-04	3.43E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	1.01E-03
2151	ALL	490785.6	3616169	NonCancer	9.61E-04	3.27E-06	6.05E-04	0.00E+00	0.00E+00	6.05E-04	3.27E-06	0.00E+00	3.27E-06	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00	9.61E-04
2152	ALL	490767.2	3616190	NonCancer	9.02E-04	3.07E-06	5.68E-04	0.00E+00	0.00E+00	5.68E-04	3.07E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	9.02E-04
2153	ALL	490748.9	3616211	NonCancer	9.24E-04	3.14E-06	5.82E-04	0.00E+00	0.00E+00	5.82E-04	3.14E-06	0.00E+00	3.14E-06	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	9.24E-04
2154	ALL	490730.5	3616232	NonCancer	8.88E-04	3.02E-06	5.59E-04	0.00E+00	0.00E+00	5.59E-04	3.02E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	8.88E-04
2155	ALL	490712.2	3616252	NonCancer	8.03E-04	2.73E-06	5.06E-04	0.00E+00	0.00E+00	5.06E-04	2.73E-06	0.00E+00	2.73E-06	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	8.03E-04
2156	ALL	490693.9	3616273	NonCancer	7.22E-04	2.45E-06	4.54E-04	0.00E+00	0.00E+00	4.54E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	7.22E-04
2157	ALL	490675.5	3616294	NonCancer	8.22E-04	2.79E-06	5.17E-04	0.00E+00	0.00E+00	5.17E-04	2.79E-06	0.00E+00	2.79E-06	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	8.22E-04
2158	ALL	490657.2	3616315	NonCancer	1.00E-03	3.41E-06	6.32E-04	0.00E+00	0.00E+00	6.32E-04	3.41E-06	0.00E+00	3.41E-06	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	1.00E-03
2159	ALL	490638.8	3616336	NonCancer	1.12E-03	3.79E-06	7.03E-04	0.00E+00	0.00E+00	7.03E-04	3.79E-06	0.00E+00	3.79E-06	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	1.12E-03
2160	ALL	490620.5	3616357	NonCancer	1.17E-03	3.99E-06	7.40E-04	0.00E+00	0.00E+00	7.40E-04	3.99E-06	0.00E+00	3.99E-06	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00	1.17E-03
2161	ALL	490556.2	3616430	NonCancer	1.06E-03	3.60E-06	6.67E-04	0.00E+00	0.00E+00	6.67E-04	3.60E-06	0.00E+00	3.60E-06	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	1.06E-03
2162	ALL	490537.9	3616451	NonCancer	1.03E-03	3.50E-06	6.47E-04	0.00E+00	0.00E+00	6.47E-04	3.50E-06	0.00E+00	3.50E-06	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	1.03E-03
2163	ALL	490519.5	3616471	NonCancer	9.87E-04	3.35E-06	6.21E-04	0.00E+00	0.00E+00	6.21E-04	3.35E-06	0.00E+00	3.35E-06	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	9.87E-04
2164	ALL	490501.2	3616492	NonCancer	9.94E-04	3.38E-06	6.26E-04	0.00E+00	0.00E+00	6.26E-04	3.38E-06	0.00E+00	3.38E-06	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	9.94E-04
2165	ALL	490482.8	3616513	NonCancer	1.00E-03	3.40E-06	6.30E-04	0.00E+00	0.00E+00	6.30E-04	3.40E-06	0.00E+00	3.40E-06	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	1.00E-03
2166	ALL	491667.9	3613541	NonCancer	5.39E-04	1.83E-06	3.40E-04	0.00E+00	0.00E+00	3.40E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	5.39E-04
2167	ALL	492055.1	3613457	NonCancer	3.38E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.38E-04
2168	ALL	492053.7	3613484	NonCancer	3.84E-04	1.31E-06	2.42E-04	0.00E+00	0.00E+00	2.42E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	3.84E-04
2169	ALL	492052.3	3613512	NonCancer	1.08E-04	3.67E-07	6.80E-05	0.00E+00	0.00E+00	6.80E-05	3.67E-07	0.00E+00	3.67E-07	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00	1.08E-04
2170	ALL	492050.8	3613540	NonCancer	1.08E-04	3.69E-07	6.83E-05	0.00E+00	0.00E+00	6.83E-05	3.69E-07	0.00E+00	3.69E-07	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	1.08E-04
2171	ALL	492049.4	3613567	NonCancer	1.07E-04	3.65E-07	6.77E-05	0.00E+00	0.00E+00	6.77E-05	3.65E-07	0.00E+00	3.65E-07	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	1.07E-04
2172	ALL	492048	3613595	NonCancer	1.05E-04	3.58E-07	6.63E-05	0.00E+00	0.00E+00	6.63E-05	3.58E-07	0.00E+00	3.58E-07	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	1.05E-04
2173	ALL	492046.5	3613623	NonCancer	1.02E-04	3.46E-07	6.41E-05	0.00E+00	0.00E+00	6.41E-05	3.46E-07	0.00E+00	3.46E-07	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00	1.02E-04
2174	ALL	492045.1	3613651	NonCancer	2.07E-04	7.03E-07	1.30E-04	0.00E+00	0.00E+00	1.30E-04	7.03E-07	0.00E+00	7.03E-07	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	2.07E-04
2175	ALL	492043.7	3613678	NonCancer	1.97E-04	6.71E-07	1.24E-04	0.00E+00	0.00E+00	1.24E-04	6.71E-07	0.00E+00	6.71E-07	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	1.97E-04
2176	ALL	492042.2	3613706	NonCancer	1.78E-04	6.05E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.05E-07	0.00E+00	6.05E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.78E-04
2177	ALL	492040.8	3613734	NonCancer	3.35E-04	1.14E-06	2.11E-04	0.00E+00	0.00E+00	2.11E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	3.35E-04
2178	ALL	492039.4	3613762	NonCancer	4.50E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.50E-04
2179	ALL	492038	3613789	NonCancer	4.14E-04	1.41E-06	2.61E-04	0.00E+00	0.00E+00	2.61E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	4.14E-04
2180	ALL	492036.5	3613817	NonCancer	2.48E-04	8.42E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.42E-07	0.00E+00	8.42E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
2181	ALL	492035.1	3613845	NonCancer	6.10E-05	2.07E-07	3.84E-05	0.00E+00	0.00E+00	3.84E-05	2.07E-07	0.00E+00	2.07E-07	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	6.10E-05
2182	ALL	492033.7	3613873	NonCancer	6.17E-05	2.10E-07	3.89E-05	0.00E+00	0.00E+00	3.89E-05	2.10E-07	0.00E+00	2.10E-07	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	6.17E-05
2183	ALL	492032.2	3613900	NonCancer	6.32E-05	2.15E-07	3.98E-05	0.00E+00	0.00E+00	3.98E-05	2.15E-07	0.00E+00	2.15E-07	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	6.32E-05

2184	ALL	492030.8	3613928	NonCancer	6.50E-05	2.21E-07	4.09E-05	0.00E+00	0.00E+00	4.09E-05	2.21E-07	0.00E+00	2.21E-07	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	6.50E-05
2185	ALL	492029.4	3613956	NonCancer	6.60E-05	2.24E-07	4.15E-05	0.00E+00	0.00E+00	4.15E-05	2.24E-07	0.00E+00	2.24E-07	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00	6.60E-05
2186	ALL	492027.9	3613984	NonCancer	7.00E-05	2.38E-07	4.41E-05	0.00E+00	0.00E+00	4.41E-05	2.38E-07	0.00E+00	2.38E-07	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00	7.00E-05
2187	ALL	492026.5	3614011	NonCancer	7.89E-05	2.68E-07	4.97E-05	0.00E+00	0.00E+00	4.97E-05	2.68E-07	0.00E+00	2.68E-07	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00	7.89E-05
2188	ALL	492025.1	3614039	NonCancer	8.82E-05	3.00E-07	5.55E-05	0.00E+00	0.00E+00	5.55E-05	3.00E-07	0.00E+00	3.00E-07	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	8.82E-05
2189	ALL	492023.6	3614067	NonCancer	9.74E-05	3.31E-07	6.13E-05	0.00E+00	0.00E+00	6.13E-05	3.31E-07	0.00E+00	3.31E-07	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	9.74E-05
2190	ALL	492022.2	3614094	NonCancer	1.07E-04	3.62E-07	6.71E-05	0.00E+00	0.00E+00	6.71E-05	3.62E-07	0.00E+00	3.62E-07	0.00E+00	0.00E+00	6.71E-05	0.00E+00	0.00E+00	1.07E-04
2191	ALL	492020.8	3614122	NonCancer	1.15E-04	3.92E-07	7.26E-05	0.00E+00	0.00E+00	7.26E-05	3.92E-07	0.00E+00	3.92E-07	0.00E+00	0.00E+00	7.26E-05	0.00E+00	0.00E+00	1.15E-04
2192	ALL	492019.4	3614150	NonCancer	1.24E-04	4.20E-07	7.78E-05	0.00E+00	0.00E+00	7.78E-05	4.20E-07	0.00E+00	4.20E-07	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	1.24E-04
2193	ALL	492017.9	3614178	NonCancer	1.36E-04	4.64E-07	8.59E-05	0.00E+00	0.00E+00	8.59E-05	4.64E-07	0.00E+00	4.64E-07	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	1.36E-04
2194	ALL	492016.5	3614205	NonCancer	3.43E-04	1.16E-06	2.16E-04	0.00E+00	0.00E+00	2.16E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	3.43E-04
2195	ALL	492015.1	3614233	NonCancer	5.45E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.45E-04
2196	ALL	492013.6	3614261	NonCancer	6.29E-04	2.14E-06	3.96E-04	0.00E+00	0.00E+00	3.96E-04	2.14E-06	0.00E+00	2.14E-06	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	6.29E-04
2197	ALL	492012.2	3614289	NonCancer	5.72E-04	1.95E-06	3.60E-04	0.00E+00	0.00E+00	3.60E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	5.72E-04
2198	ALL	492010.8	3614316	NonCancer	5.59E-04	1.90E-06	3.52E-04	0.00E+00	0.00E+00	3.52E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	5.59E-04
2199	ALL	492009.3	3614344	NonCancer	6.65E-04	2.26E-06	4.19E-04	0.00E+00	0.00E+00	4.19E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	6.65E-04
2200	ALL	492007.9	3614372	NonCancer	6.52E-04	2.22E-06	4.10E-04	0.00E+00	0.00E+00	4.10E-04	2.22E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	6.52E-04
2201	ALL	492006.5	3614400	NonCancer	5.44E-04	1.85E-06	3.42E-04	0.00E+00	0.00E+00	3.42E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	5.44E-04
2202	ALL	492005.1	3614427	NonCancer	4.54E-04	1.54E-06	2.86E-04	0.00E+00	0.00E+00	2.86E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	4.54E-04
2203	ALL	492003.6	3614455	NonCancer	4.54E-04	1.54E-06	2.86E-04	0.00E+00	0.00E+00	2.86E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	4.54E-04
2204	ALL	492002.2	3614483	NonCancer	5.68E-04	1.93E-06	3.58E-04	0.00E+00	0.00E+00	3.58E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	5.68E-04
2205	ALL	492000.8	3614510	NonCancer	7.10E-04	2.41E-06	4.47E-04	0.00E+00	0.00E+00	4.47E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	7.10E-04
2206	ALL	491999.3	3614538	NonCancer	8.10E-04	2.75E-06	5.10E-04	0.00E+00	0.00E+00	5.10E-04	2.75E-06	0.00E+00	2.75E-06	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	8.10E-04
2207	ALL	491997.9	3614566	NonCancer	6.68E-04	2.27E-06	4.21E-04	0.00E+00	0.00E+00	4.21E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	6.68E-04
2208	ALL	491996.5	3614594	NonCancer	5.87E-04	2.00E-06	3.70E-04	0.00E+00	0.00E+00	3.70E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	5.87E-04
2209	ALL	491995	3614621	NonCancer	5.28E-04	1.79E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.28E-04
2210	ALL	491993.6	3614649	NonCancer	4.27E-04	1.45E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.27E-04
2211	ALL	491992.2	3614677	NonCancer	4.30E-04	1.46E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.30E-04
2212	ALL	491990.7	3614705	NonCancer	4.57E-04	1.55E-06	2.88E-04	0.00E+00	0.00E+00	2.88E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	4.57E-04
2213	ALL	491989.3	3614732	NonCancer	5.03E-04	1.71E-06	3.17E-04	0.00E+00	0.00E+00	3.17E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	5.03E-04
2214	ALL	491987.9	3614760	NonCancer	5.81E-04	1.97E-06	3.66E-04	0.00E+00	0.00E+00	3.66E-04	1.97E-06	0.00E+00	1.97E-06	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	5.81E-04
2215	ALL	491986.5	3614788	NonCancer	6.39E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.39E-04
2216	ALL	491985	3614816	NonCancer	6.75E-04	2.30E-06	4.25E-04	0.00E+00	0.00E+00	4.25E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	6.75E-04
2217	ALL	491983.6	3614843	NonCancer	6.88E-04	2.34E-06	4.33E-04	0.00E+00	0.00E+00	4.33E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	6.88E-04
2218	ALL	491982.2	3614871	NonCancer	6.70E-04	2.28E-06	4.22E-04	0.00E+00	0.00E+00	4.22E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	6.70E-04
2219	ALL	491976.4	3614982	NonCancer	4.40E-04	1.50E-06	2.77E-04	0.00E+00	0.00E+00	2.77E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	4.40E-04
2220	ALL	491975	3615010	NonCancer	3.86E-04	1.31E-06	2.43E-04	0.00E+00	0.00E+00	2.43E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	3.86E-04
2221	ALL	491973.6	3615037	NonCancer	3.23E-04	1.10E-06	2.03E-04	0.00E+00	0.00E+00	2.03E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	3.23E-04
2222	ALL	491972.2	3615065	NonCancer	3.71E-04	1.26E-06	2.34E-04	0.00E+00	0.00E+00	2.34E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	3.71E-04
2223	ALL	491970.7	3615093	NonCancer	4.29E-04	1.46E-06	2.70E-04	0.00E+00	0.00E+00	2.70E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	4.29E-04
2224	ALL	491969.3	3615121	NonCancer	4.58E-04	1.56E-06	2.89E-04	0.00E+00	0.00E+00	2.89E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	4.58E-04
2225	ALL	491967.9	3615148	NonCancer	5.12E-04	1.74E-06	3.23E-04	0.00E+00	0.00E+00	3.23E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	5.12E-04
2226	ALL	491966.4	3615176	NonCancer	5.74E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.74E-04
2227	ALL	491965	3615204	NonCancer	6.15E-04	2.09E-06	3.87E-04	0.00E+00	0.00E+00	3.87E-04	2.09E-06	0.00E+00	2.09E-06	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	6.15E-04
2228	ALL	491963.6	3615232	NonCancer	6.44E-04	2.19E-06	4.05E-04	0.00E+00	0.00E+00	4.05E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	6.44E-04
2229	ALL	491962.1	3615259	NonCancer	6.62E-04	2.25E-06	4.17E-04	0.00E+00	0.00E+00	4.17E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	6.62E-04
2230	ALL	491960.7	3615287	NonCancer	7.26E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.26E-04
2231	ALL	491959.3	3615315	NonCancer	8.23E-04	2.80E-06	5.18E-04	0.00E+00	0.00E+00	5.18E-04	2.80E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	8.23E-04
2232	ALL	491957.8	3615343	NonCancer	8.05E-04	2.74E-06	5.07E-04	0.00E+00	0.00E+00	5.07E-04	2.74E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	8.05E-04
2233	ALL	491956.4	3615370	NonCancer	7.66E-04	2.60E-06	4.82E-04	0.00E+00	0.00E+00	4.82E-04	2.60E-06	0.00E+00	2.60E-06	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	7.66E-04
2234	ALL	491955	3615398	NonCancer	7.64E-04	2.60E-06	4.81E-04	0.00E+00	0.00E+00	4.81E-04	2.60E-06	0.00E+00	2.60E-06	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	7.64E-04
2235	ALL	491945.1	3615422	NonCancer	7.22E-04	2.45E-06	4.55E-04	0.00E+00	0.00E+00	4.55E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	7.22E-04

2236	ALL	491926.8	3615443	NonCancer	6.62E-04	2.25E-06	4.17E-04	0.00E+00	0.00E+00	4.17E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	6.62E-04
2237	ALL	491908.4	3615464	NonCancer	5.74E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.74E-04
2238	ALL	491890.1	3615485	NonCancer	5.36E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.36E-04
2239	ALL	491871.7	3615506	NonCancer	5.03E-04	1.71E-06	3.17E-04	0.00E+00	0.00E+00	3.17E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	5.03E-04
2240	ALL	491853.4	3615527	NonCancer	4.51E-04	1.53E-06	2.84E-04	0.00E+00	0.00E+00	2.84E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	4.51E-04
2241	ALL	491835.1	3615547	NonCancer	5.07E-04	1.72E-06	3.19E-04	0.00E+00	0.00E+00	3.19E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.07E-04
2242	ALL	491816.7	3615568	NonCancer	5.93E-04	2.02E-06	3.73E-04	0.00E+00	0.00E+00	3.73E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	5.93E-04
2243	ALL	491798.4	3615589	NonCancer	7.37E-04	2.51E-06	4.64E-04	0.00E+00	0.00E+00	4.64E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	7.37E-04
2244	ALL	491780.1	3615610	NonCancer	8.27E-04	2.81E-06	5.21E-04	0.00E+00	0.00E+00	5.21E-04	2.81E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	8.27E-04
2245	ALL	491761.7	3615631	NonCancer	8.27E-04	2.81E-06	5.21E-04	0.00E+00	0.00E+00	5.21E-04	2.81E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	8.27E-04
2246	ALL	491743.4	3615652	NonCancer	7.87E-04	2.68E-06	4.96E-04	0.00E+00	0.00E+00	4.96E-04	2.68E-06	0.00E+00	2.68E-06	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	7.87E-04
2247	ALL	491725	3615673	NonCancer	6.70E-04	2.28E-06	4.22E-04	0.00E+00	0.00E+00	4.22E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	6.70E-04
2248	ALL	491706.7	3615693	NonCancer	5.34E-04	1.82E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.34E-04
2249	ALL	491688.4	3615714	NonCancer	5.11E-04	1.74E-06	3.22E-04	0.00E+00	0.00E+00	3.22E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.11E-04
2250	ALL	491670	3615735	NonCancer	6.24E-04	2.12E-06	3.93E-04	0.00E+00	0.00E+00	3.93E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	6.24E-04
2251	ALL	491651.7	3615756	NonCancer	6.47E-04	2.20E-06	4.07E-04	0.00E+00	0.00E+00	4.07E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	6.47E-04
2252	ALL	491633.3	3615777	NonCancer	5.83E-04	1.98E-06	3.67E-04	0.00E+00	0.00E+00	3.67E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	5.83E-04
2253	ALL	491615	3615798	NonCancer	6.11E-04	2.08E-06	3.85E-04	0.00E+00	0.00E+00	3.85E-04	2.08E-06	0.00E+00	2.08E-06	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	6.11E-04
2254	ALL	491596.7	3615819	NonCancer	6.21E-04	2.11E-06	3.91E-04	0.00E+00	0.00E+00	3.91E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	6.21E-04
2255	ALL	491578.3	3615839	NonCancer	6.10E-04	2.08E-06	3.84E-04	0.00E+00	0.00E+00	3.84E-04	2.08E-06	0.00E+00	2.08E-06	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	6.10E-04
2256	ALL	491560	3615860	NonCancer	5.77E-04	1.96E-06	3.63E-04	0.00E+00	0.00E+00	3.63E-04	1.96E-06	0.00E+00	1.96E-06	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	5.77E-04
2257	ALL	491541.7	3615881	NonCancer	5.29E-04	1.80E-06	3.33E-04	0.00E+00	0.00E+00	3.33E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	5.29E-04
2258	ALL	491523.3	3615902	NonCancer	4.90E-04	1.67E-06	3.09E-04	0.00E+00	0.00E+00	3.09E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	4.90E-04
2259	ALL	491505	3615923	NonCancer	5.47E-04	1.86E-06	3.44E-04	0.00E+00	0.00E+00	3.44E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	5.47E-04
2260	ALL	491486.6	3615944	NonCancer	5.92E-04	2.01E-06	3.73E-04	0.00E+00	0.00E+00	3.73E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	5.92E-04
2261	ALL	491468.3	3615965	NonCancer	6.50E-04	2.21E-06	4.09E-04	0.00E+00	0.00E+00	4.09E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	6.50E-04
2262	ALL	491450	3615985	NonCancer	6.71E-04	2.28E-06	4.23E-04	0.00E+00	0.00E+00	4.23E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	6.71E-04
2263	ALL	491431.6	3616006	NonCancer	7.05E-04	2.40E-06	4.44E-04	0.00E+00	0.00E+00	4.44E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	7.05E-04
2264	ALL	491413.3	3616027	NonCancer	7.21E-04	2.45E-06	4.54E-04	0.00E+00	0.00E+00	4.54E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	7.21E-04
2265	ALL	491394.9	3616048	NonCancer	7.40E-04	2.52E-06	4.66E-04	0.00E+00	0.00E+00	4.66E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	7.40E-04
2266	ALL	491376.6	3616069	NonCancer	7.35E-04	2.50E-06	4.63E-04	0.00E+00	0.00E+00	4.63E-04	2.50E-06	0.00E+00	2.50E-06	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	7.35E-04
2267	ALL	491358.3	3616090	NonCancer	6.71E-04	2.28E-06	4.22E-04	0.00E+00	0.00E+00	4.22E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	6.71E-04
2268	ALL	491339.9	3616111	NonCancer	5.46E-04	1.86E-06	3.44E-04	0.00E+00	0.00E+00	3.44E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	5.46E-04
2269	ALL	491220.7	3616246	NonCancer	6.36E-04	2.16E-06	4.01E-04	0.00E+00	0.00E+00	4.01E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	6.36E-04
2270	ALL	491202.4	3616267	NonCancer	6.65E-04	2.26E-06	4.18E-04	0.00E+00	0.00E+00	4.18E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	6.65E-04
2271	ALL	491184	3616288	NonCancer	7.15E-04	2.43E-06	4.50E-04	0.00E+00	0.00E+00	4.50E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	7.15E-04
2272	ALL	491165.7	3616309	NonCancer	7.10E-04	2.41E-06	4.47E-04	0.00E+00	0.00E+00	4.47E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	7.10E-04
2273	ALL	491147.4	3616330	NonCancer	7.25E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.25E-04
2274	ALL	491129	3616350	NonCancer	7.50E-04	2.55E-06	4.72E-04	0.00E+00	0.00E+00	4.72E-04	2.55E-06	0.00E+00	2.55E-06	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	7.50E-04
2275	ALL	491110.7	3616371	NonCancer	7.91E-04	2.69E-06	4.98E-04	0.00E+00	0.00E+00	4.98E-04	2.69E-06	0.00E+00	2.69E-06	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	7.91E-04
2276	ALL	491092.4	3616392	NonCancer	9.01E-04	3.06E-06	5.67E-04	0.00E+00	0.00E+00	5.67E-04	3.06E-06	0.00E+00	3.06E-06	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	9.01E-04
2277	ALL	491074	3616413	NonCancer	9.63E-04	3.28E-06	6.07E-04	0.00E+00	0.00E+00	6.07E-04	3.28E-06	0.00E+00	3.28E-06	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	9.63E-04
2278	ALL	491055.7	3616434	NonCancer	9.67E-04	3.29E-06	6.09E-04	0.00E+00	0.00E+00	6.09E-04	3.29E-06	0.00E+00	3.29E-06	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	9.67E-04
2279	ALL	491037.3	3616455	NonCancer	9.10E-04	3.09E-06	5.73E-04	0.00E+00	0.00E+00	5.73E-04	3.09E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	9.10E-04
2280	ALL	491019	3616476	NonCancer	8.30E-04	2.82E-06	5.22E-04	0.00E+00	0.00E+00	5.22E-04	2.82E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	8.30E-04
2281	ALL	491000.7	3616496	NonCancer	7.73E-04	2.63E-06	4.87E-04	0.00E+00	0.00E+00	4.87E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	7.73E-04
2282	ALL	490982.3	3616517	NonCancer	7.62E-04	2.59E-06	4.80E-04	0.00E+00	0.00E+00	4.80E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	7.62E-04
2283	ALL	490964	3616538	NonCancer	7.39E-04	2.51E-06	4.65E-04	0.00E+00	0.00E+00	4.65E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	7.39E-04
2284	ALL	490945.6	3616559	NonCancer	6.76E-04	2.30E-06	4.25E-04	0.00E+00	0.00E+00	4.25E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	6.76E-04
2285	ALL	490927.3	3616580	NonCancer	5.86E-04	1.99E-06	3.69E-04	0.00E+00	0.00E+00	3.69E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	5.86E-04
2286	ALL	490909	3616601	NonCancer	6.68E-04	2.27E-06	4.20E-04	0.00E+00	0.00E+00	4.20E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	6.68E-04
2287	ALL	490890.6	3616622	NonCancer	7.69E-04	2.61E-06	4.84E-04	0.00E+00	0.00E+00	4.84E-04	2.61E-06	0.00E+00	2.61E-06	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	7.69E-04

2288	ALL	490872.3	3616642	NonCancer	8.50E-04	2.89E-06	5.35E-04	0.00E+00	0.00E+00	5.35E-04	2.89E-06	0.00E+00	2.89E-06	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	8.50E-04
2289	ALL	490853.9	3616663	NonCancer	9.47E-04	3.22E-06	5.96E-04	0.00E+00	0.00E+00	5.96E-04	3.22E-06	0.00E+00	3.22E-06	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	9.47E-04
2290	ALL	490835.6	3616684	NonCancer	1.04E-03	3.55E-06	6.58E-04	0.00E+00	0.00E+00	6.58E-04	3.55E-06	0.00E+00	3.55E-06	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	1.04E-03
2291	ALL	490780.6	3616747	NonCancer	9.69E-04	3.30E-06	6.10E-04	0.00E+00	0.00E+00	6.10E-04	3.30E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	9.69E-04
2292	ALL	490762.3	3616768	NonCancer	1.03E-03	3.51E-06	6.51E-04	0.00E+00	0.00E+00	6.51E-04	3.51E-06	0.00E+00	3.51E-06	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	1.03E-03
2293	ALL	490743.9	3616788	NonCancer	1.04E-03	3.53E-06	6.54E-04	0.00E+00	0.00E+00	6.54E-04	3.53E-06	0.00E+00	3.53E-06	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	1.04E-03
2294	ALL	490725.6	3616809	NonCancer	9.86E-04	3.35E-06	6.21E-04	0.00E+00	0.00E+00	6.21E-04	3.35E-06	0.00E+00	3.35E-06	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	9.86E-04
2295	ALL	490707.2	3616830	NonCancer	9.32E-04	3.17E-06	5.87E-04	0.00E+00	0.00E+00	5.87E-04	3.17E-06	0.00E+00	3.17E-06	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	9.32E-04
2296	ALL	490688.9	3616851	NonCancer	9.84E-04	3.34E-06	6.19E-04	0.00E+00	0.00E+00	6.19E-04	3.34E-06	0.00E+00	3.34E-06	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	9.84E-04
2297	ALL	490670.6	3616872	NonCancer	9.90E-04	3.37E-06	6.23E-04	0.00E+00	0.00E+00	6.23E-04	3.37E-06	0.00E+00	3.37E-06	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	9.90E-04
2298	ALL	492051.9	3613429	NonCancer	1.00E-04	3.41E-07	6.32E-05	0.00E+00	0.00E+00	6.32E-05	3.41E-07	0.00E+00	3.41E-07	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00	1.00E-04
2299	ALL	492439.2	3613345	NonCancer	8.58E-05	2.92E-07	5.40E-05	0.00E+00	0.00E+00	5.40E-05	2.92E-07	0.00E+00	2.92E-07	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	8.58E-05
2300	ALL	492437.7	3613372	NonCancer	8.81E-05	3.00E-07	5.55E-05	0.00E+00	0.00E+00	5.55E-05	3.00E-07	0.00E+00	3.00E-07	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	8.81E-05
2301	ALL	492436.3	3613400	NonCancer	8.98E-05	3.05E-07	5.65E-05	0.00E+00	0.00E+00	5.65E-05	3.05E-07	0.00E+00	3.05E-07	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00	8.98E-05
2302	ALL	492434.9	3613428	NonCancer	9.04E-05	3.07E-07	5.69E-05	0.00E+00	0.00E+00	5.69E-05	3.07E-07	0.00E+00	3.07E-07	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	9.04E-05
2303	ALL	492433.4	3613456	NonCancer	2.90E-04	9.85E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.85E-07	0.00E+00	9.85E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.90E-04
2304	ALL	492432	3613483	NonCancer	3.12E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.12E-04
2305	ALL	492430.6	3613511	NonCancer	2.87E-04	9.75E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.75E-07	0.00E+00	9.75E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.87E-04
2306	ALL	492429.2	3613539	NonCancer	2.10E-04	7.13E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.13E-07	0.00E+00	7.13E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.10E-04
2307	ALL	492427.7	3613567	NonCancer	8.14E-05	2.77E-07	5.12E-05	0.00E+00	0.00E+00	5.12E-05	2.77E-07	0.00E+00	2.77E-07	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	8.14E-05
2308	ALL	492426.3	3613594	NonCancer	7.74E-05	2.63E-07	4.87E-05	0.00E+00	0.00E+00	4.87E-05	2.63E-07	0.00E+00	2.63E-07	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	7.74E-05
2309	ALL	492424.9	3613622	NonCancer	7.29E-05	2.48E-07	4.59E-05	0.00E+00	0.00E+00	4.59E-05	2.48E-07	0.00E+00	2.48E-07	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	7.29E-05
2310	ALL	492423.4	3613650	NonCancer	6.80E-05	2.31E-07	4.28E-05	0.00E+00	0.00E+00	4.28E-05	2.31E-07	0.00E+00	2.31E-07	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	6.80E-05
2311	ALL	492422	3613677	NonCancer	6.28E-05	2.14E-07	3.95E-05	0.00E+00	0.00E+00	3.95E-05	2.14E-07	0.00E+00	2.14E-07	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	6.28E-05
2312	ALL	492420.6	3613705	NonCancer	5.75E-05	1.96E-07	3.62E-05	0.00E+00	0.00E+00	3.62E-05	1.96E-07	0.00E+00	1.96E-07	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	5.75E-05
2313	ALL	492419.2	3613733	NonCancer	5.44E-05	1.85E-07	3.42E-05	0.00E+00	0.00E+00	3.42E-05	1.85E-07	0.00E+00	1.85E-07	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	5.44E-05
2314	ALL	492417.7	3613761	NonCancer	5.22E-05	1.77E-07	3.28E-05	0.00E+00	0.00E+00	3.28E-05	1.77E-07	0.00E+00	1.77E-07	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	5.22E-05
2315	ALL	492416.3	3613788	NonCancer	5.44E-05	1.85E-07	3.43E-05	0.00E+00	0.00E+00	3.43E-05	1.85E-07	0.00E+00	1.85E-07	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	5.44E-05
2316	ALL	492414.9	3613816	NonCancer	1.17E-04	3.97E-07	7.34E-05	0.00E+00	0.00E+00	7.34E-05	3.97E-07	0.00E+00	3.97E-07	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	1.17E-04
2317	ALL	492413.4	3613844	NonCancer	1.38E-04	4.70E-07	8.71E-05	0.00E+00	0.00E+00	8.71E-05	4.70E-07	0.00E+00	4.70E-07	0.00E+00	0.00E+00	8.71E-05	0.00E+00	0.00E+00	1.38E-04
2318	ALL	492412	3613871	NonCancer	1.45E-04	4.93E-07	9.14E-05	0.00E+00	0.00E+00	9.14E-05	4.93E-07	0.00E+00	4.93E-07	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	1.45E-04
2319	ALL	492410.6	3613899	NonCancer	1.62E-04	5.52E-07	1.02E-04	0.00E+00	0.00E+00	1.02E-04	5.52E-07	0.00E+00	5.52E-07	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	1.62E-04
2320	ALL	492409.1	3613927	NonCancer	1.96E-04	6.67E-07	1.23E-04	0.00E+00	0.00E+00	1.23E-04	6.67E-07	0.00E+00	6.67E-07	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	1.96E-04
2321	ALL	492407.7	3613955	NonCancer	2.42E-04	8.22E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.22E-07	0.00E+00	8.22E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.42E-04
2322	ALL	492406.3	3613982	NonCancer	2.93E-04	9.96E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.96E-07	0.00E+00	9.96E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.93E-04
2323	ALL	492404.9	3614010	NonCancer	3.54E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.54E-04
2324	ALL	492403.4	3614038	NonCancer	4.50E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.50E-04
2325	ALL	492402	3614066	NonCancer	4.65E-04	1.58E-06	2.93E-04	0.00E+00	0.00E+00	2.93E-04	1.58E-06	0.00E+00	1.58E-06	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	4.65E-04
2326	ALL	492400.6	3614093	NonCancer	4.48E-04	1.52E-06	2.82E-04	0.00E+00	0.00E+00	2.82E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	4.48E-04
2327	ALL	492399.1	3614121	NonCancer	4.19E-04	1.42E-06	2.64E-04	0.00E+00	0.00E+00	2.64E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.19E-04
2328	ALL	492397.7	3614149	NonCancer	3.83E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.83E-04
2329	ALL	492396.3	3614176	NonCancer	3.47E-04	1.18E-06	2.19E-04	0.00E+00	0.00E+00	2.19E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	3.47E-04
2330	ALL	492394.8	3614204	NonCancer	3.56E-04	1.21E-06	2.24E-04	0.00E+00	0.00E+00	2.24E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.56E-04
2331	ALL	492393.4	3614232	NonCancer	3.98E-04	1.35E-06	2.51E-04	0.00E+00	0.00E+00	2.51E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	3.98E-04
2332	ALL	492392	3614260	NonCancer	4.31E-04	1.46E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.31E-04
2333	ALL	492390.6	3614287	NonCancer	4.24E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.24E-04
2334	ALL	492389.1	3614315	NonCancer	3.99E-04	1.36E-06	2.51E-04	0.00E+00	0.00E+00	2.51E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	3.99E-04
2335	ALL	492387.7	3614343	NonCancer	4.49E-04	1.53E-06	2.82E-04	0.00E+00	0.00E+00	2.82E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	4.49E-04
2336	ALL	492386.3	3614371	NonCancer	4.77E-04	1.62E-06	3.01E-04	0.00E+00	0.00E+00	3.01E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	4.77E-04
2337	ALL	492384.8	3614398	NonCancer	4.74E-04	1.61E-06	2.98E-04	0.00E+00	0.00E+00	2.98E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	4.74E-04
2338	ALL	492383.4	3614426	NonCancer	4.69E-04	1.59E-06	2.95E-04	0.00E+00	0.00E+00	2.95E-04	1.59E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	4.69E-04
2339	ALL	492382	3614454	NonCancer	4.81E-04	1.63E-06	3.03E-04	0.00E+00	0.00E+00	3.03E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	4.81E-04

2340	ALL	492380.5	3614481	NonCancer	5.54E-04	1.88E-06	3.49E-04	0.00E+00	0.00E+00	3.49E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	5.54E-04
2341	ALL	492379.1	3614509	NonCancer	6.12E-04	2.08E-06	3.85E-04	0.00E+00	0.00E+00	3.85E-04	2.08E-06	0.00E+00	2.08E-06	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	6.12E-04
2342	ALL	492377.7	3614537	NonCancer	6.11E-04	2.08E-06	3.85E-04	0.00E+00	0.00E+00	3.85E-04	2.08E-06	0.00E+00	2.08E-06	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	6.11E-04
2343	ALL	492376.3	3614565	NonCancer	6.45E-04	2.19E-06	4.06E-04	0.00E+00	0.00E+00	4.06E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	6.45E-04
2344	ALL	492374.8	3614592	NonCancer	5.88E-04	2.00E-06	3.70E-04	0.00E+00	0.00E+00	3.70E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	5.88E-04
2345	ALL	492373.4	3614620	NonCancer	5.21E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.21E-04
2346	ALL	492372	3614648	NonCancer	4.51E-04	1.53E-06	2.84E-04	0.00E+00	0.00E+00	2.84E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	4.51E-04
2347	ALL	492370.5	3614675	NonCancer	3.72E-04	1.27E-06	2.34E-04	0.00E+00	0.00E+00	2.34E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	3.72E-04
2348	ALL	492369.1	3614703	NonCancer	3.35E-04	1.14E-06	2.11E-04	0.00E+00	0.00E+00	2.11E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	3.35E-04
2349	ALL	492367.7	3614731	NonCancer	3.61E-04	1.23E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.61E-04
2350	ALL	492366.2	3614759	NonCancer	3.83E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.83E-04
2351	ALL	492364.8	3614786	NonCancer	3.92E-04	1.33E-06	2.47E-04	0.00E+00	0.00E+00	2.47E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	3.92E-04
2352	ALL	492363.4	3614814	NonCancer	4.02E-04	1.37E-06	2.53E-04	0.00E+00	0.00E+00	2.53E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	4.02E-04
2353	ALL	492362	3614842	NonCancer	3.91E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.91E-04
2354	ALL	492360.5	3614870	NonCancer	3.51E-04	1.19E-06	2.21E-04	0.00E+00	0.00E+00	2.21E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	3.51E-04
2355	ALL	492359.1	3614897	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
2356	ALL	492357.7	3614925	NonCancer	2.33E-04	7.93E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.93E-07	0.00E+00	7.93E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.33E-04
2357	ALL	492356.2	3614953	NonCancer	2.29E-04	7.79E-07	1.44E-04	0.00E+00	0.00E+00	1.44E-04	7.79E-07	0.00E+00	7.79E-07	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	2.29E-04
2358	ALL	492350.5	3615064	NonCancer	2.20E-04	7.48E-07	1.38E-04	0.00E+00	0.00E+00	1.38E-04	7.48E-07	0.00E+00	7.48E-07	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	2.20E-04
2359	ALL	492349.1	3615091	NonCancer	2.06E-04	7.01E-07	1.30E-04	0.00E+00	0.00E+00	1.30E-04	7.01E-07	0.00E+00	7.01E-07	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	2.06E-04
2360	ALL	492347.7	3615119	NonCancer	1.90E-04	6.46E-07	1.20E-04	0.00E+00	0.00E+00	1.20E-04	6.46E-07	0.00E+00	6.46E-07	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	1.90E-04
2361	ALL	492346.2	3615147	NonCancer	1.90E-04	6.46E-07	1.20E-04	0.00E+00	0.00E+00	1.20E-04	6.46E-07	0.00E+00	6.46E-07	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	1.90E-04
2362	ALL	492344.8	3615174	NonCancer	2.21E-04	7.51E-07	1.39E-04	0.00E+00	0.00E+00	1.39E-04	7.51E-07	0.00E+00	7.51E-07	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	2.21E-04
2363	ALL	492343.4	3615202	NonCancer	2.67E-04	9.07E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.07E-07	0.00E+00	9.07E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.67E-04
2364	ALL	492341.9	3615230	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
2365	ALL	492340.5	3615258	NonCancer	3.16E-04	1.07E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.16E-04
2366	ALL	492339.1	3615285	NonCancer	3.29E-04	1.12E-06	2.07E-04	0.00E+00	0.00E+00	2.07E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	3.29E-04
2367	ALL	492337.7	3615313	NonCancer	3.84E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.84E-04
2368	ALL	492336.2	3615341	NonCancer	4.20E-04	1.43E-06	2.65E-04	0.00E+00	0.00E+00	2.65E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	4.20E-04
2369	ALL	492334.8	3615369	NonCancer	4.45E-04	1.51E-06	2.80E-04	0.00E+00	0.00E+00	2.80E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	4.45E-04
2370	ALL	492333.4	3615396	NonCancer	4.62E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.62E-04
2371	ALL	492331.9	3615424	NonCancer	4.53E-04	1.54E-06	2.85E-04	0.00E+00	0.00E+00	2.85E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	4.53E-04
2372	ALL	492330.5	3615452	NonCancer	4.90E-04	1.67E-06	3.08E-04	0.00E+00	0.00E+00	3.08E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	4.90E-04
2373	ALL	492329.1	3615479	NonCancer	5.25E-04	1.78E-06	3.30E-04	0.00E+00	0.00E+00	3.30E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	5.25E-04
2374	ALL	492327.6	3615507	NonCancer	5.68E-04	1.93E-06	3.57E-04	0.00E+00	0.00E+00	3.57E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	5.68E-04
2375	ALL	492326.2	3615535	NonCancer	5.84E-04	1.99E-06	3.68E-04	0.00E+00	0.00E+00	3.68E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	5.84E-04
2376	ALL	492315.6	3615573	NonCancer	5.38E-04	1.83E-06	3.38E-04	0.00E+00	0.00E+00	3.38E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	5.38E-04
2377	ALL	492297.3	3615594	NonCancer	4.96E-04	1.69E-06	3.12E-04	0.00E+00	0.00E+00	3.12E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	4.96E-04
2378	ALL	492279	3615615	NonCancer	4.80E-04	1.63E-06	3.02E-04	0.00E+00	0.00E+00	3.02E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	4.80E-04
2379	ALL	492260.6	3615636	NonCancer	4.57E-04	1.55E-06	2.88E-04	0.00E+00	0.00E+00	2.88E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	4.57E-04
2380	ALL	492242.3	3615656	NonCancer	4.18E-04	1.42E-06	2.63E-04	0.00E+00	0.00E+00	2.63E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	4.18E-04
2381	ALL	492224	3615677	NonCancer	3.39E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.39E-04
2382	ALL	492205.6	3615698	NonCancer	3.02E-04	1.03E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.02E-04
2383	ALL	492187.3	3615719	NonCancer	2.73E-04	9.29E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.29E-07	0.00E+00	9.29E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.73E-04
2384	ALL	492169	3615740	NonCancer	2.58E-04	8.77E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.77E-07	0.00E+00	8.77E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.58E-04
2385	ALL	492150.6	3615761	NonCancer	2.50E-04	8.49E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.49E-07	0.00E+00	8.49E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.50E-04
2386	ALL	492132.3	3615782	NonCancer	2.48E-04	8.44E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.44E-07	0.00E+00	8.44E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
2387	ALL	492114	3615802	NonCancer	2.55E-04	8.68E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.68E-07	0.00E+00	8.68E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.55E-04
2388	ALL	492095.6	3615823	NonCancer	2.76E-04	9.37E-07	1.74E-04	0.00E+00	0.00E+00	1.74E-04	9.37E-07	0.00E+00	9.37E-07	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	2.76E-04
2389	ALL	492077.3	3615844	NonCancer	3.53E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.53E-04
2390	ALL	492059	3615865	NonCancer	3.94E-04	1.34E-06	2.48E-04	0.00E+00	0.00E+00	2.48E-04	1.34E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	3.94E-04
2391	ALL	492040.7	3615886	NonCancer	4.63E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.63E-04

2392	ALL	492022.3	3615907	NonCancer	5.46E-04	1.86E-06	3.44E-04	0.00E+00	0.00E+00	3.44E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	5.46E-04
2393	ALL	492004	3615927	NonCancer	5.73E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.73E-04
2394	ALL	491985.7	3615948	NonCancer	5.47E-04	1.86E-06	3.44E-04	0.00E+00	0.00E+00	3.44E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	5.47E-04
2395	ALL	491967.3	3615969	NonCancer	5.05E-04	1.72E-06	3.18E-04	0.00E+00	0.00E+00	3.18E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	5.05E-04
2396	ALL	491949	3615990	NonCancer	5.24E-04	1.78E-06	3.30E-04	0.00E+00	0.00E+00	3.30E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	5.24E-04
2397	ALL	491930.7	3616011	NonCancer	5.50E-04	1.87E-06	3.47E-04	0.00E+00	0.00E+00	3.47E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	5.50E-04
2398	ALL	491912.3	3616032	NonCancer	5.46E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.46E-04
2399	ALL	491894	3616053	NonCancer	5.42E-04	1.84E-06	3.41E-04	0.00E+00	0.00E+00	3.41E-04	1.84E-06	0.00E+00	1.84E-06	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	5.42E-04
2400	ALL	491875.7	3616073	NonCancer	5.04E-04	1.71E-06	3.17E-04	0.00E+00	0.00E+00	3.17E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	5.04E-04
2401	ALL	491857.3	3616094	NonCancer	4.57E-04	1.55E-06	2.88E-04	0.00E+00	0.00E+00	2.88E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	4.57E-04
2402	ALL	491839	3616115	NonCancer	4.26E-04	1.45E-06	2.68E-04	0.00E+00	0.00E+00	2.68E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	4.26E-04
2403	ALL	491820.7	3616136	NonCancer	4.16E-04	1.41E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.16E-04
2404	ALL	491802.3	3616157	NonCancer	4.09E-04	1.39E-06	2.57E-04	0.00E+00	0.00E+00	2.57E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	4.09E-04
2405	ALL	491784	3616178	NonCancer	4.85E-04	1.65E-06	3.06E-04	0.00E+00	0.00E+00	3.06E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	4.85E-04
2406	ALL	491765.7	3616198	NonCancer	5.61E-04	1.91E-06	3.53E-04	0.00E+00	0.00E+00	3.53E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	5.61E-04
2407	ALL	491747.4	3616219	NonCancer	6.20E-04	2.11E-06	3.90E-04	0.00E+00	0.00E+00	3.90E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	6.20E-04
2408	ALL	491729	3616240	NonCancer	6.49E-04	2.21E-06	4.09E-04	0.00E+00	0.00E+00	4.09E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	6.49E-04
2409	ALL	491710.7	3616261	NonCancer	6.60E-04	2.25E-06	4.16E-04	0.00E+00	0.00E+00	4.16E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	6.60E-04
2410	ALL	491692.4	3616282	NonCancer	6.80E-04	2.31E-06	4.28E-04	0.00E+00	0.00E+00	4.28E-04	2.31E-06	0.00E+00	2.31E-06	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	6.80E-04
2411	ALL	491674	3616303	NonCancer	6.53E-04	2.22E-06	4.11E-04	0.00E+00	0.00E+00	4.11E-04	2.22E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	6.53E-04
2412	ALL	491655.7	3616324	NonCancer	6.04E-04	2.05E-06	3.80E-04	0.00E+00	0.00E+00	3.80E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	6.04E-04
2413	ALL	491509	3616490	NonCancer	5.50E-04	1.87E-06	3.47E-04	0.00E+00	0.00E+00	3.47E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	5.50E-04
2414	ALL	491490.7	3616511	NonCancer	5.54E-04	1.88E-06	3.49E-04	0.00E+00	0.00E+00	3.49E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	5.54E-04
2415	ALL	491472.4	3616532	NonCancer	5.73E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.73E-04
2416	ALL	491454.1	3616553	NonCancer	5.25E-04	1.79E-06	3.31E-04	0.00E+00	0.00E+00	3.31E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	5.25E-04
2417	ALL	491435.7	3616574	NonCancer	4.89E-04	1.66E-06	3.08E-04	0.00E+00	0.00E+00	3.08E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	4.89E-04
2418	ALL	491417.4	3616595	NonCancer	4.42E-04	1.50E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.42E-04
2419	ALL	491399.1	3616615	NonCancer	3.88E-04	1.32E-06	2.44E-04	0.00E+00	0.00E+00	2.44E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	3.88E-04
2420	ALL	491380.7	3616636	NonCancer	3.34E-04	1.14E-06	2.10E-04	0.00E+00	0.00E+00	2.10E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	3.34E-04
2421	ALL	491362.4	3616657	NonCancer	4.49E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.49E-04
2422	ALL	491344.1	3616678	NonCancer	3.98E-04	1.35E-06	2.51E-04	0.00E+00	0.00E+00	2.51E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	3.98E-04
2423	ALL	491325.7	3616699	NonCancer	3.02E-04	1.03E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.02E-04
2424	ALL	491307.4	3616720	NonCancer	2.73E-04	9.29E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.29E-07	0.00E+00	9.29E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.73E-04
2425	ALL	491289.1	3616741	NonCancer	2.82E-04	9.57E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.57E-07	0.00E+00	9.57E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.82E-04
2426	ALL	491270.7	3616761	NonCancer	3.20E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.20E-04
2427	ALL	491252.4	3616782	NonCancer	3.02E-04	1.03E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.02E-04
2428	ALL	491234.1	3616803	NonCancer	3.71E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.71E-04
2429	ALL	491215.8	3616824	NonCancer	3.54E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.54E-04
2430	ALL	491197.4	3616845	NonCancer	3.15E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.15E-04
2431	ALL	491179.1	3616866	NonCancer	3.33E-04	1.13E-06	2.09E-04	0.00E+00	0.00E+00	2.09E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.33E-04
2432	ALL	491160.8	3616886	NonCancer	3.38E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.38E-04
2433	ALL	491142.4	3616907	NonCancer	3.58E-04	1.22E-06	2.25E-04	0.00E+00	0.00E+00	2.25E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	3.58E-04
2434	ALL	491124.1	3616928	NonCancer	4.46E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.46E-04
2435	ALL	491105.8	3616949	NonCancer	4.93E-04	1.68E-06	3.11E-04	0.00E+00	0.00E+00	3.11E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	4.93E-04
2436	ALL	491087.4	3616970	NonCancer	5.83E-04	1.98E-06	3.67E-04	0.00E+00	0.00E+00	3.67E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	5.83E-04
2437	ALL	491069.1	3616991	NonCancer	5.88E-04	2.00E-06	3.70E-04	0.00E+00	0.00E+00	3.70E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	5.88E-04
2438	ALL	491004.9	3617064	NonCancer	3.70E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.70E-04
2439	ALL	490986.6	3617085	NonCancer	6.65E-04	2.26E-06	4.19E-04	0.00E+00	0.00E+00	4.19E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	6.65E-04
2440	ALL	490968.3	3617105	NonCancer	9.22E-04	3.13E-06	5.80E-04	0.00E+00	0.00E+00	5.80E-04	3.13E-06	0.00E+00	3.13E-06	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	9.22E-04
2441	ALL	490949.9	3617126	NonCancer	9.18E-04	3.12E-06	5.78E-04	0.00E+00	0.00E+00	5.78E-04	3.12E-06	0.00E+00	3.12E-06	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	9.18E-04
2442	ALL	490931.6	3617147	NonCancer	7.48E-04	2.54E-06	4.71E-04	0.00E+00	0.00E+00	4.71E-04	2.54E-06	0.00E+00	2.54E-06	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	7.48E-04
2443	ALL	490913.3	3617168	NonCancer	6.84E-04	2.33E-06	4.31E-04	0.00E+00	0.00E+00	4.31E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	6.84E-04

2444	ALL	490895	3617189	NonCancer	7.19E-04	2.44E-06	4.52E-04	0.00E+00	0.00E+00	4.52E-04	2.44E-06	0.00E+00	2.44E-06	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	7.19E-04
2445	ALL	490876.6	3617210	NonCancer	7.10E-04	2.41E-06	4.47E-04	0.00E+00	0.00E+00	4.47E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	7.10E-04
2446	ALL	492436	3613317	NonCancer	8.28E-05	2.82E-07	5.21E-05	0.00E+00	0.00E+00	5.21E-05	2.82E-07	0.00E+00	2.82E-07	0.00E+00	0.00E+00	5.21E-05	0.00E+00	0.00E+00	8.28E-05
2447	ALL	492823.2	3613233	NonCancer	7.22E-05	2.45E-07	4.55E-05	0.00E+00	0.00E+00	4.55E-05	2.45E-07	0.00E+00	2.45E-07	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	7.22E-05
2448	ALL	492821.8	3613261	NonCancer	2.37E-04	8.04E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.04E-07	0.00E+00	8.04E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.37E-04
2449	ALL	492820.4	3613288	NonCancer	3.54E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.54E-04
2450	ALL	492818.9	3613316	NonCancer	3.69E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.69E-04
2451	ALL	492817.5	3613344	NonCancer	3.48E-04	1.18E-06	2.19E-04	0.00E+00	0.00E+00	2.19E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	3.48E-04
2452	ALL	492816.1	3613371	NonCancer	3.49E-04	1.19E-06	2.20E-04	0.00E+00	0.00E+00	2.20E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	3.49E-04
2453	ALL	492814.6	3613399	NonCancer	2.23E-04	7.60E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.60E-07	0.00E+00	7.60E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.23E-04
2454	ALL	492813.2	3613427	NonCancer	2.08E-04	7.08E-07	1.31E-04	0.00E+00	0.00E+00	1.31E-04	7.08E-07	0.00E+00	7.08E-07	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	2.08E-04
2455	ALL	492811.8	3613455	NonCancer	1.91E-04	6.51E-07	1.21E-04	0.00E+00	0.00E+00	1.21E-04	6.51E-07	0.00E+00	6.51E-07	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.91E-04
2456	ALL	492810.4	3613482	NonCancer	1.80E-04	6.14E-07	1.14E-04	0.00E+00	0.00E+00	1.14E-04	6.14E-07	0.00E+00	6.14E-07	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	1.80E-04
2457	ALL	492808.9	3613510	NonCancer	1.77E-04	6.03E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.03E-07	0.00E+00	6.03E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.77E-04
2458	ALL	492807.5	3613538	NonCancer	2.07E-04	7.02E-07	1.30E-04	0.00E+00	0.00E+00	1.30E-04	7.02E-07	0.00E+00	7.02E-07	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	2.07E-04
2459	ALL	492806.1	3613565	NonCancer	2.42E-04	8.22E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.22E-07	0.00E+00	8.22E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.42E-04
2460	ALL	492804.6	3613593	NonCancer	2.90E-04	9.86E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.86E-07	0.00E+00	9.86E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.90E-04
2461	ALL	492803.2	3613621	NonCancer	3.64E-04	1.24E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.64E-04
2462	ALL	492801.8	3613649	NonCancer	4.35E-04	1.48E-06	2.74E-04	0.00E+00	0.00E+00	2.74E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	4.35E-04
2463	ALL	492800.3	3613676	NonCancer	4.07E-04	1.39E-06	2.57E-04	0.00E+00	0.00E+00	2.57E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	4.07E-04
2464	ALL	492798.9	3613704	NonCancer	2.49E-04	8.47E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.47E-07	0.00E+00	8.47E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.49E-04
2465	ALL	492797.5	3613732	NonCancer	4.11E-04	1.40E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.11E-04
2466	ALL	492796.1	3613759	NonCancer	3.63E-04	1.23E-06	2.28E-04	0.00E+00	0.00E+00	2.28E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	3.63E-04
2467	ALL	492794.6	3613787	NonCancer	3.47E-04	1.18E-06	2.19E-04	0.00E+00	0.00E+00	2.19E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	3.47E-04
2468	ALL	492793.2	3613815	NonCancer	3.56E-04	1.21E-06	2.24E-04	0.00E+00	0.00E+00	2.24E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.56E-04
2469	ALL	492791.8	3613843	NonCancer	3.80E-04	1.29E-06	2.40E-04	0.00E+00	0.00E+00	2.40E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	3.80E-04
2470	ALL	492790.3	3613870	NonCancer	3.84E-04	1.31E-06	2.42E-04	0.00E+00	0.00E+00	2.42E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	3.84E-04
2471	ALL	492788.9	3613898	NonCancer	3.72E-04	1.26E-06	2.34E-04	0.00E+00	0.00E+00	2.34E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	3.72E-04
2472	ALL	492787.5	3613926	NonCancer	3.54E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.54E-04
2473	ALL	492786.1	3613953	NonCancer	3.35E-04	1.14E-06	2.11E-04	0.00E+00	0.00E+00	2.11E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	3.35E-04
2474	ALL	492784.6	3613981	NonCancer	3.53E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.53E-04
2475	ALL	492783.2	3614009	NonCancer	3.86E-04	1.31E-06	2.43E-04	0.00E+00	0.00E+00	2.43E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	3.86E-04
2476	ALL	492781.8	3614037	NonCancer	4.20E-04	1.43E-06	2.64E-04	0.00E+00	0.00E+00	2.64E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.20E-04
2477	ALL	492780.3	3614064	NonCancer	4.31E-04	1.46E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.31E-04
2478	ALL	492778.9	3614092	NonCancer	3.77E-04	1.28E-06	2.37E-04	0.00E+00	0.00E+00	2.37E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	3.77E-04
2479	ALL	492777.5	3614120	NonCancer	3.16E-04	1.08E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.16E-04
2480	ALL	492776.1	3614147	NonCancer	2.70E-04	9.16E-07	1.70E-04	0.00E+00	0.00E+00	1.70E-04	9.16E-07	0.00E+00	9.16E-07	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	2.70E-04
2481	ALL	492774.6	3614175	NonCancer	2.28E-04	7.76E-07	1.44E-04	0.00E+00	0.00E+00	1.44E-04	7.76E-07	0.00E+00	7.76E-07	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	2.28E-04
2482	ALL	492773.2	3614203	NonCancer	1.79E-04	6.09E-07	1.13E-04	0.00E+00	0.00E+00	1.13E-04	6.09E-07	0.00E+00	6.09E-07	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	1.79E-04
2483	ALL	492771.8	3614231	NonCancer	1.37E-04	4.64E-07	8.59E-05	0.00E+00	0.00E+00	8.59E-05	4.64E-07	0.00E+00	4.64E-07	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	1.37E-04
2484	ALL	492770.3	3614258	NonCancer	1.40E-04	4.78E-07	8.84E-05	0.00E+00	0.00E+00	8.84E-05	4.78E-07	0.00E+00	4.78E-07	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	1.40E-04
2485	ALL	492768.9	3614286	NonCancer	1.59E-04	5.41E-07	1.00E-04	0.00E+00	0.00E+00	1.00E-04	5.41E-07	0.00E+00	5.41E-07	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	1.59E-04
2486	ALL	492767.5	3614314	NonCancer	1.98E-04	6.72E-07	1.24E-04	0.00E+00	0.00E+00	1.24E-04	6.72E-07	0.00E+00	6.72E-07	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	1.98E-04
2487	ALL	492766	3614341	NonCancer	2.41E-04	8.19E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.19E-07	0.00E+00	8.19E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.41E-04
2488	ALL	492764.6	3614369	NonCancer	3.59E-04	1.22E-06	2.26E-04	0.00E+00	0.00E+00	2.26E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	3.59E-04
2489	ALL	492763.2	3614397	NonCancer	4.95E-04	1.68E-06	3.12E-04	0.00E+00	0.00E+00	3.12E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	4.95E-04
2490	ALL	492761.8	3614425	NonCancer	5.56E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.56E-04
2491	ALL	492760.3	3614452	NonCancer	5.47E-04	1.86E-06	3.45E-04	0.00E+00	0.00E+00	3.45E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	5.47E-04
2492	ALL	492758.9	3614480	NonCancer	5.12E-04	1.74E-06	3.22E-04	0.00E+00	0.00E+00	3.22E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.12E-04
2493	ALL	492757.5	3614508	NonCancer	5.18E-04	1.76E-06	3.26E-04	0.00E+00	0.00E+00	3.26E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	5.18E-04
2494	ALL	492756	3614535	NonCancer	5.34E-04	1.81E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.34E-04
2495	ALL	492754.6	3614563	NonCancer	5.32E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.32E-04

2496	ALL	492753.2	3614591	NonCancer	5.02E-04	1.71E-06	3.16E-04	0.00E+00	0.00E+00	3.16E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	5.02E-04
2497	ALL	492751.8	3614619	NonCancer	4.40E-04	1.49E-06	2.77E-04	0.00E+00	0.00E+00	2.77E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	4.40E-04
2498	ALL	492750.3	3614646	NonCancer	3.77E-04	1.28E-06	2.37E-04	0.00E+00	0.00E+00	2.37E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	3.77E-04
2499	ALL	492748.9	3614674	NonCancer	3.09E-04	1.05E-06	1.95E-04	0.00E+00	0.00E+00	1.95E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	3.09E-04
2500	ALL	492747.5	3614702	NonCancer	2.45E-04	8.32E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.32E-07	0.00E+00	8.32E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.45E-04
2501	ALL	492746	3614729	NonCancer	2.50E-04	8.51E-07	1.58E-04	0.00E+00	0.00E+00	1.58E-04	8.51E-07	0.00E+00	8.51E-07	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	2.50E-04
2502	ALL	492744.6	3614757	NonCancer	2.66E-04	9.03E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.03E-07	0.00E+00	9.03E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.66E-04
2503	ALL	492743.2	3614785	NonCancer	2.66E-04	9.06E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.06E-07	0.00E+00	9.06E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.66E-04
2504	ALL	492741.7	3614813	NonCancer	2.78E-04	9.46E-07	1.75E-04	0.00E+00	0.00E+00	1.75E-04	9.46E-07	0.00E+00	9.46E-07	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	2.78E-04
2505	ALL	492740.3	3614840	NonCancer	2.50E-04	8.51E-07	1.58E-04	0.00E+00	0.00E+00	1.58E-04	8.51E-07	0.00E+00	8.51E-07	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	2.50E-04
2506	ALL	492738.9	3614868	NonCancer	2.67E-04	9.07E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.07E-07	0.00E+00	9.07E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.67E-04
2507	ALL	492737.5	3614896	NonCancer	2.75E-04	9.34E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.34E-07	0.00E+00	9.34E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.75E-04
2508	ALL	492736	3614923	NonCancer	3.10E-04	1.05E-06	1.95E-04	0.00E+00	0.00E+00	1.95E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	3.10E-04
2509	ALL	492734.6	3614951	NonCancer	3.42E-04	1.16E-06	2.15E-04	0.00E+00	0.00E+00	2.15E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.42E-04
2510	ALL	492733.2	3614979	NonCancer	3.82E-04	1.30E-06	2.40E-04	0.00E+00	0.00E+00	2.40E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	3.82E-04
2511	ALL	492731.7	3615007	NonCancer	3.86E-04	1.31E-06	2.43E-04	0.00E+00	0.00E+00	2.43E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	3.86E-04
2512	ALL	492730.3	3615034	NonCancer	3.46E-04	1.18E-06	2.18E-04	0.00E+00	0.00E+00	2.18E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	3.46E-04
2513	ALL	492724.6	3615145	NonCancer	2.28E-04	7.75E-07	1.44E-04	0.00E+00	0.00E+00	1.44E-04	7.75E-07	0.00E+00	7.75E-07	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	2.28E-04
2514	ALL	492723.2	3615173	NonCancer	2.14E-04	7.26E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.26E-07	0.00E+00	7.26E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.14E-04
2515	ALL	492721.7	3615201	NonCancer	1.88E-04	6.38E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.38E-07	0.00E+00	6.38E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.88E-04
2516	ALL	492720.3	3615228	NonCancer	1.65E-04	5.62E-07	1.04E-04	0.00E+00	0.00E+00	1.04E-04	5.62E-07	0.00E+00	5.62E-07	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	1.65E-04
2517	ALL	492718.9	3615256	NonCancer	1.70E-04	5.79E-07	1.07E-04	0.00E+00	0.00E+00	1.07E-04	5.79E-07	0.00E+00	5.79E-07	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	1.70E-04
2518	ALL	492717.4	3615284	NonCancer	2.14E-04	7.28E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.28E-07	0.00E+00	7.28E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.14E-04
2519	ALL	492716	3615312	NonCancer	3.39E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.39E-04
2520	ALL	492714.6	3615339	NonCancer	3.59E-04	1.22E-06	2.26E-04	0.00E+00	0.00E+00	2.26E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	3.59E-04
2521	ALL	492713.2	3615367	NonCancer	3.51E-04	1.19E-06	2.21E-04	0.00E+00	0.00E+00	2.21E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	3.51E-04
2522	ALL	492711.7	3615395	NonCancer	2.89E-04	9.81E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.81E-07	0.00E+00	9.81E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.89E-04
2523	ALL	492710.3	3615422	NonCancer	2.94E-04	9.98E-07	1.85E-04	0.00E+00	0.00E+00	1.85E-04	9.98E-07	0.00E+00	9.98E-07	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.94E-04
2524	ALL	492708.9	3615450	NonCancer	2.94E-04	1.00E-06	1.85E-04	0.00E+00	0.00E+00	1.85E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.94E-04
2525	ALL	492707.4	3615478	NonCancer	2.82E-04	9.57E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.57E-07	0.00E+00	9.57E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.82E-04
2526	ALL	492706	3615506	NonCancer	2.63E-04	8.94E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.94E-07	0.00E+00	8.94E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.63E-04
2527	ALL	492704.6	3615533	NonCancer	2.31E-04	7.85E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.85E-07	0.00E+00	7.85E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.31E-04
2528	ALL	492703.2	3615561	NonCancer	1.89E-04	6.43E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.43E-07	0.00E+00	6.43E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.89E-04
2529	ALL	492701.7	3615589	NonCancer	1.63E-04	5.54E-07	1.03E-04	0.00E+00	0.00E+00	1.03E-04	5.54E-07	0.00E+00	5.54E-07	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	1.63E-04
2530	ALL	492700.3	3615616	NonCancer	1.62E-04	5.50E-07	1.02E-04	0.00E+00	0.00E+00	1.02E-04	5.50E-07	0.00E+00	5.50E-07	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	1.62E-04
2531	ALL	492698.9	3615644	NonCancer	2.24E-04	7.60E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.60E-07	0.00E+00	7.60E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.24E-04
2532	ALL	492697.4	3615672	NonCancer	3.35E-04	1.14E-06	2.11E-04	0.00E+00	0.00E+00	2.11E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	3.35E-04
2533	ALL	492696	3615700	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
2534	ALL	492686.1	3615724	NonCancer	3.23E-04	1.10E-06	2.03E-04	0.00E+00	0.00E+00	2.03E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	3.23E-04
2535	ALL	492667.8	3615745	NonCancer	3.40E-04	1.16E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.40E-04
2536	ALL	492649.5	3615765	NonCancer	3.37E-04	1.15E-06	2.12E-04	0.00E+00	0.00E+00	2.12E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	3.37E-04
2537	ALL	492631.2	3615786	NonCancer	3.25E-04	1.10E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.25E-04
2538	ALL	492612.8	3615807	NonCancer	3.25E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.25E-04
2539	ALL	492594.5	3615828	NonCancer	3.19E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
2540	ALL	492576.2	3615849	NonCancer	3.01E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.01E-04
2541	ALL	492557.9	3615870	NonCancer	3.14E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.14E-04
2542	ALL	492539.5	3615891	NonCancer	3.39E-04	1.15E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.39E-04
2543	ALL	492521.2	3615911	NonCancer	3.91E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.91E-04
2544	ALL	492502.9	3615932	NonCancer	4.42E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.42E-04
2545	ALL	492484.6	3615953	NonCancer	4.81E-04	1.64E-06	3.03E-04	0.00E+00	0.00E+00	3.03E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	4.81E-04
2546	ALL	492466.2	3615974	NonCancer	5.07E-04	1.73E-06	3.19E-04	0.00E+00	0.00E+00	3.19E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.07E-04
2547	ALL	492447.9	3615995	NonCancer	5.25E-04	1.78E-06	3.30E-04	0.00E+00	0.00E+00	3.30E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	5.25E-04

2548	ALL	492429.6	3616016	NonCancer	5.33E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.33E-04
2549	ALL	492411.3	3616036	NonCancer	5.03E-04	1.71E-06	3.17E-04	0.00E+00	0.00E+00	3.17E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	5.03E-04
2550	ALL	492392.9	3616057	NonCancer	4.54E-04	1.54E-06	2.86E-04	0.00E+00	0.00E+00	2.86E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	4.54E-04
2551	ALL	492374.6	3616078	NonCancer	4.23E-04	1.44E-06	2.66E-04	0.00E+00	0.00E+00	2.66E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	4.23E-04
2552	ALL	492356.3	3616099	NonCancer	4.10E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.10E-04
2553	ALL	492338	3616120	NonCancer	4.13E-04	1.40E-06	2.60E-04	0.00E+00	0.00E+00	2.60E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	4.13E-04
2554	ALL	492319.6	3616141	NonCancer	3.92E-04	1.33E-06	2.47E-04	0.00E+00	0.00E+00	2.47E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	3.92E-04
2555	ALL	492301.3	3616161	NonCancer	3.82E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.82E-04
2556	ALL	492283	3616182	NonCancer	3.88E-04	1.32E-06	2.45E-04	0.00E+00	0.00E+00	2.45E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	3.88E-04
2557	ALL	492264.7	3616203	NonCancer	4.18E-04	1.42E-06	2.63E-04	0.00E+00	0.00E+00	2.63E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	4.18E-04
2558	ALL	492246.3	3616224	NonCancer	4.27E-04	1.45E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.27E-04
2559	ALL	492228	3616245	NonCancer	4.06E-04	1.38E-06	2.55E-04	0.00E+00	0.00E+00	2.55E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	4.06E-04
2560	ALL	492209.7	3616266	NonCancer	3.75E-04	1.28E-06	2.36E-04	0.00E+00	0.00E+00	2.36E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	3.75E-04
2561	ALL	492191.4	3616286	NonCancer	3.29E-04	1.12E-06	2.07E-04	0.00E+00	0.00E+00	2.07E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	3.29E-04
2562	ALL	492173	3616307	NonCancer	2.98E-04	1.01E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.98E-04
2563	ALL	492154.7	3616328	NonCancer	2.64E-04	8.96E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.96E-07	0.00E+00	8.96E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.64E-04
2564	ALL	492136.4	3616349	NonCancer	2.06E-04	6.99E-07	1.29E-04	0.00E+00	0.00E+00	1.29E-04	6.99E-07	0.00E+00	6.99E-07	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	2.06E-04
2565	ALL	492118.1	3616370	NonCancer	1.89E-04	6.44E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.44E-07	0.00E+00	6.44E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.89E-04
2566	ALL	492099.7	3616391	NonCancer	1.74E-04	5.91E-07	1.09E-04	0.00E+00	0.00E+00	1.09E-04	5.91E-07	0.00E+00	5.91E-07	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	1.74E-04
2567	ALL	492081.4	3616412	NonCancer	2.05E-04	6.98E-07	1.29E-04	0.00E+00	0.00E+00	1.29E-04	6.98E-07	0.00E+00	6.98E-07	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	2.05E-04
2568	ALL	492063.1	3616432	NonCancer	2.67E-04	9.07E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.07E-07	0.00E+00	9.07E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.67E-04
2569	ALL	492044.8	3616453	NonCancer	3.39E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.39E-04
2570	ALL	492026.4	3616474	NonCancer	3.64E-04	1.24E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.64E-04
2571	ALL	492008.1	3616495	NonCancer	4.16E-04	1.41E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.16E-04
2572	ALL	491989.8	3616516	NonCancer	4.81E-04	1.64E-06	3.03E-04	0.00E+00	0.00E+00	3.03E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	4.81E-04
2573	ALL	491971.5	3616537	NonCancer	5.01E-04	1.70E-06	3.15E-04	0.00E+00	0.00E+00	3.15E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	5.01E-04
2574	ALL	491953.1	3616557	NonCancer	4.77E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.77E-04
2575	ALL	491934.8	3616578	NonCancer	4.28E-04	1.45E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.28E-04
2576	ALL	491806.5	3616724	NonCancer	4.57E-04	1.55E-06	2.88E-04	0.00E+00	0.00E+00	2.88E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	4.57E-04
2577	ALL	491788.2	3616745	NonCancer	4.10E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.10E-04
2578	ALL	491769.9	3616766	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
2579	ALL	491751.5	3616787	NonCancer	3.16E-04	1.08E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.16E-04
2580	ALL	491733.2	3616808	NonCancer	3.19E-04	1.08E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
2581	ALL	491714.9	3616828	NonCancer	3.15E-04	1.07E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.15E-04
2582	ALL	491696.6	3616849	NonCancer	3.15E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.15E-04
2583	ALL	491678.2	3616870	NonCancer	3.01E-04	1.02E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.01E-04
2584	ALL	491659.9	3616891	NonCancer	2.88E-04	9.78E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.78E-07	0.00E+00	9.78E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.88E-04
2585	ALL	491641.6	3616912	NonCancer	2.56E-04	8.71E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.71E-07	0.00E+00	8.71E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.56E-04
2586	ALL	491623.3	3616933	NonCancer	2.30E-04	7.82E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.82E-07	0.00E+00	7.82E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
2587	ALL	491604.9	3616953	NonCancer	2.48E-04	8.42E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.42E-07	0.00E+00	8.42E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
2588	ALL	491586.6	3616974	NonCancer	2.81E-04	9.55E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.55E-07	0.00E+00	9.55E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.81E-04
2589	ALL	491568.3	3616995	NonCancer	3.03E-04	1.03E-06	1.91E-04	0.00E+00	0.00E+00	1.91E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	3.03E-04
2590	ALL	491550	3617016	NonCancer	3.16E-04	1.07E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.16E-04
2591	ALL	491531.6	3617037	NonCancer	3.32E-04	1.13E-06	2.09E-04	0.00E+00	0.00E+00	2.09E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.32E-04
2592	ALL	491513.3	3617058	NonCancer	3.30E-04	1.12E-06	2.08E-04	0.00E+00	0.00E+00	2.08E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	3.30E-04
2593	ALL	491495	3617078	NonCancer	3.23E-04	1.10E-06	2.03E-04	0.00E+00	0.00E+00	2.03E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	3.23E-04
2594	ALL	491476.7	3617099	NonCancer	3.31E-04	1.12E-06	2.08E-04	0.00E+00	0.00E+00	2.08E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	3.31E-04
2595	ALL	491458.3	3617120	NonCancer	3.24E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.24E-04
2596	ALL	491440	3617141	NonCancer	3.23E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.23E-04
2597	ALL	491421.7	3617162	NonCancer	3.61E-04	1.23E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.61E-04
2598	ALL	491403.4	3617183	NonCancer	4.35E-04	1.48E-06	2.74E-04	0.00E+00	0.00E+00	2.74E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	4.35E-04
2599	ALL	491385	3617204	NonCancer	4.46E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.46E-04

2600	ALL	491366.7	3617224	NonCancer	4.33E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.33E-04
2601	ALL	491348.4	3617245	NonCancer	4.19E-04	1.42E-06	2.64E-04	0.00E+00	0.00E+00	2.64E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.19E-04
2602	ALL	491330.1	3617266	NonCancer	4.37E-04	1.48E-06	2.75E-04	0.00E+00	0.00E+00	2.75E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	4.37E-04
2603	ALL	491311.7	3617287	NonCancer	4.65E-04	1.58E-06	2.93E-04	0.00E+00	0.00E+00	2.93E-04	1.58E-06	0.00E+00	1.58E-06	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	4.65E-04
2604	ALL	491293.4	3617308	NonCancer	5.27E-04	1.79E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.27E-04
2605	ALL	491229.3	3617381	NonCancer	6.65E-04	2.26E-06	4.18E-04	0.00E+00	0.00E+00	4.18E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	6.65E-04
2606	ALL	491211	3617401	NonCancer	6.81E-04	2.31E-06	4.28E-04	0.00E+00	0.00E+00	4.28E-04	2.31E-06	0.00E+00	2.31E-06	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	6.81E-04
2607	ALL	491192.6	3617422	NonCancer	6.95E-04	2.36E-06	4.38E-04	0.00E+00	0.00E+00	4.38E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	6.95E-04
2608	ALL	491174.3	3617443	NonCancer	6.01E-04	2.04E-06	3.78E-04	0.00E+00	0.00E+00	3.78E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	6.01E-04
2609	ALL	491156	3617464	NonCancer	4.50E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.50E-04
2610	ALL	491137.7	3617485	NonCancer	4.75E-04	1.61E-06	2.99E-04	0.00E+00	0.00E+00	2.99E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	4.75E-04
2611	ALL	491119.3	3617506	NonCancer	4.82E-04	1.64E-06	3.04E-04	0.00E+00	0.00E+00	3.04E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	4.82E-04
2612	ALL	491101	3617527	NonCancer	5.39E-04	1.83E-06	3.40E-04	0.00E+00	0.00E+00	3.40E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	5.39E-04
2613	ALL	491082.7	3617547	NonCancer	5.56E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.56E-04
2614	ALL	491064.4	3617568	NonCancer	4.28E-04	1.45E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.28E-04
2615	ALL	492820	3613206	NonCancer	6.97E-05	2.37E-07	4.39E-05	0.00E+00	0.00E+00	4.39E-05	2.37E-07	0.00E+00	2.37E-07	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	6.97E-05
2616	ALL	489227.3	3614407	NonCancer	7.84E-03	2.67E-05	4.94E-03	0.00E+00	0.00E+00	4.94E-03	2.67E-05	0.00E+00	2.67E-05	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	7.84E-03
2617	ALL	489401	3614822	NonCancer	1.30E-03	4.43E-06	8.20E-04	0.00E+00	0.00E+00	8.20E-04	4.43E-06	0.00E+00	4.43E-06	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00	1.30E-03
2618	ALL	489691.8	3615568	NonCancer	3.72E-04	1.26E-06	2.34E-04	0.00E+00	0.00E+00	2.34E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	3.72E-04
2619	ALL	489766.2	3615753	NonCancer	3.08E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.08E-04
2620	ALL	489840.5	3615939	NonCancer	1.43E-03	4.86E-06	8.99E-04	0.00E+00	0.00E+00	8.99E-04	4.86E-06	0.00E+00	4.86E-06	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00	1.43E-03
2621	ALL	489989.2	3616310	NonCancer	1.25E-03	4.26E-06	7.88E-04	0.00E+00	0.00E+00	7.88E-04	4.26E-06	0.00E+00	4.26E-06	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00	1.25E-03
2622	ALL	490137.8	3616682	NonCancer	1.12E-03	3.80E-06	7.04E-04	0.00E+00	0.00E+00	7.04E-04	3.80E-06	0.00E+00	3.80E-06	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00	1.12E-03
2623	ALL	490286.5	3617053	NonCancer	7.25E-04	2.46E-06	4.56E-04	0.00E+00	0.00E+00	4.56E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	7.25E-04
2624	ALL	490435.1	3617424	NonCancer	7.74E-04	2.63E-06	4.87E-04	0.00E+00	0.00E+00	4.87E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	7.74E-04
2625	ALL	490583.8	3617796	NonCancer	7.10E-04	2.41E-06	4.47E-04	0.00E+00	0.00E+00	4.47E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	7.10E-04
2626	ALL	489200.9	3614239	NonCancer	4.55E-02	1.55E-04	2.87E-02	0.00E+00	0.00E+00	2.87E-02	1.55E-04	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.87E-02	0.00E+00	0.00E+00	4.55E-02
2627	ALL	489198.8	3614214	NonCancer	3.58E-02	1.22E-04	2.25E-02	0.00E+00	0.00E+00	2.25E-02	1.22E-04	0.00E+00	1.22E-04	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	3.58E-02
2628	ALL	489196.7	3614189	NonCancer	6.15E-02	2.09E-04	3.87E-02	0.00E+00	0.00E+00	3.87E-02	2.09E-04	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.87E-02	0.00E+00	0.00E+00	6.15E-02
2629	ALL	489194.6	3614164	NonCancer	4.60E-02	1.56E-04	2.90E-02	0.00E+00	0.00E+00	2.90E-02	1.56E-04	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	4.60E-02
2630	ALL	489192.5	3614140	NonCancer	3.29E-02	1.12E-04	2.07E-02	0.00E+00	0.00E+00	2.07E-02	1.12E-04	0.00E+00	1.12E-04	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.29E-02
2631	ALL	489190.4	3614115	NonCancer	2.69E-02	9.15E-05	1.69E-02	0.00E+00	0.00E+00	1.69E-02	9.15E-05	0.00E+00	9.15E-05	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	2.69E-02
2632	ALL	489223.7	3614212	NonCancer	1.54E-02	5.24E-05	9.71E-03	0.00E+00	0.00E+00	9.71E-03	5.24E-05	0.00E+00	5.24E-05	0.00E+00	0.00E+00	9.71E-03	0.00E+00	0.00E+00	1.54E-02
2633	ALL	489221.6	3614187	NonCancer	1.91E-02	6.51E-05	1.21E-02	0.00E+00	0.00E+00	1.21E-02	6.51E-05	0.00E+00	6.51E-05	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	1.91E-02
2634	ALL	489219.5	3614162	NonCancer	2.78E-02	9.47E-05	1.75E-02	0.00E+00	0.00E+00	1.75E-02	9.47E-05	0.00E+00	9.47E-05	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	2.78E-02
2635	ALL	489217.4	3614138	NonCancer	2.97E-02	1.01E-04	1.87E-02	0.00E+00	0.00E+00	1.87E-02	1.01E-04	0.00E+00	1.01E-04	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	2.97E-02
2636	ALL	489215.3	3614113	NonCancer	2.35E-02	7.99E-05	1.48E-02	0.00E+00	0.00E+00	1.48E-02	7.99E-05	0.00E+00	7.99E-05	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.35E-02
2637	ALL	489248.6	3614210	NonCancer	1.33E-02	4.52E-05	8.38E-03	0.00E+00	0.00E+00	8.38E-03	4.52E-05	0.00E+00	4.52E-05	0.00E+00	0.00E+00	8.38E-03	0.00E+00	0.00E+00	1.33E-02
2638	ALL	489246.5	3614185	NonCancer	9.92E-03	3.37E-05	6.24E-03	0.00E+00	0.00E+00	6.24E-03	3.37E-05	0.00E+00	3.37E-05	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	9.92E-03
2639	ALL	489244.4	3614160	NonCancer	1.23E-02	4.16E-05	7.71E-03	0.00E+00	0.00E+00	7.71E-03	4.16E-05	0.00E+00	4.16E-05	0.00E+00	0.00E+00	7.71E-03	0.00E+00	0.00E+00	1.23E-02
2640	ALL	489242.3	3614136	NonCancer	1.54E-02	5.23E-05	9.68E-03	0.00E+00	0.00E+00	9.68E-03	5.23E-05	0.00E+00	5.23E-05	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	1.54E-02
2641	ALL	489240.3	3614111	NonCancer	1.88E-02	6.41E-05	1.19E-02	0.00E+00	0.00E+00	1.19E-02	6.41E-05	0.00E+00	6.41E-05	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	1.88E-02
2642	ALL	489273.5	3614208	NonCancer	1.05E-02	3.57E-05	6.60E-03	0.00E+00	0.00E+00	6.60E-03	3.57E-05	0.00E+00	3.57E-05	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00	1.05E-02
2643	ALL	489271.4	3614183	NonCancer	7.75E-03	2.63E-05	4.88E-03	0.00E+00	0.00E+00	4.88E-03	2.63E-05	0.00E+00	2.63E-05	0.00E+00	0.00E+00	4.88E-03	0.00E+00	0.00E+00	7.75E-03
2644	ALL	489269.3	3614158	NonCancer	6.85E-03	2.33E-05	4.31E-03	0.00E+00	0.00E+00	4.31E-03	2.33E-05	0.00E+00	2.33E-05	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00	6.85E-03
2645	ALL	489267.3	3614133	NonCancer	8.45E-03	2.87E-05	5.32E-03	0.00E+00	0.00E+00	5.32E-03	2.87E-05	0.00E+00	2.87E-05	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	8.45E-03
2646	ALL	489265.2	3614109	NonCancer	1.05E-02	3.58E-05	6.63E-03	0.00E+00	0.00E+00	6.63E-03	3.58E-05	0.00E+00	3.58E-05	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	1.05E-02
2647	ALL	489323.3	3614203	NonCancer	6.65E-03	2.26E-05	4.19E-03	0.00E+00	0.00E+00	4.19E-03	2.26E-05	0.00E+00	2.26E-05	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	6.65E-03
2648	ALL	489321.2	3614179	NonCancer	5.01E-03	1.70E-05	3.15E-03	0.00E+00	0.00E+00	3.15E-03	1.70E-05	0.00E+00	1.70E-05	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	5.01E-03
2649	ALL	489319.2	3614154	NonCancer	4.66E-03	1.58E-05	2.93E-03	0.00E+00	0.00E+00	2.93E-03	1.58E-05	0.00E+00	1.58E-05	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	4.66E-03
2650	ALL	489317.1	3614129	NonCancer	4.24E-03	1.44E-05	2.67E-03	0.00E+00	0.00E+00	2.67E-03	1.44E-05	0.00E+00	1.44E-05	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.24E-03
2651	ALL	489315	3614104	NonCancer	3.82E-03	1.30E-05	2.41E-03	0.00E+00	0.00E+00	2.41E-03	1.30E-05	0.00E+00	1.30E-05	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	3.82E-03

2652	ALL	489367.6	3614289	NonCancer	4.39E-03	1.49E-05	2.76E-03	0.00E+00	0.00E+00	2.76E-03	1.49E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	4.39E-03
2653	ALL	489371.1	3614174	NonCancer	4.10E-03	1.39E-05	2.58E-03	0.00E+00	0.00E+00	2.58E-03	1.39E-05	0.00E+00	1.39E-05	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.10E-03
2654	ALL	489369	3614150	NonCancer	3.29E-03	1.12E-05	2.07E-03	0.00E+00	0.00E+00	2.07E-03	1.12E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.29E-03
2655	ALL	489366.9	3614125	NonCancer	3.11E-03	1.06E-05	1.96E-03	0.00E+00	0.00E+00	1.96E-03	1.06E-05	0.00E+00	1.06E-05	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.11E-03
2656	ALL	489364.8	3614100	NonCancer	2.90E-03	9.87E-06	1.83E-03	0.00E+00	0.00E+00	1.83E-03	9.87E-06	0.00E+00	9.87E-06	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	2.90E-03
2657	ALL	489420.9	3614170	NonCancer	3.28E-03	1.11E-05	2.06E-03	0.00E+00	0.00E+00	2.06E-03	1.11E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.28E-03
2658	ALL	489418.8	3614146	NonCancer	2.56E-03	8.70E-06	1.61E-03	0.00E+00	0.00E+00	1.61E-03	8.70E-06	0.00E+00	8.70E-06	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.56E-03
2659	ALL	489416.7	3614121	NonCancer	2.33E-03	7.93E-06	1.47E-03	0.00E+00	0.00E+00	1.47E-03	7.93E-06	0.00E+00	7.93E-06	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.33E-03
2660	ALL	489414.6	3614096	NonCancer	2.20E-03	7.48E-06	1.38E-03	0.00E+00	0.00E+00	1.38E-03	7.48E-06	0.00E+00	7.48E-06	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.20E-03
2661	ALL	489468.6	3614141	NonCancer	2.30E-03	7.82E-06	1.45E-03	0.00E+00	0.00E+00	1.45E-03	7.82E-06	0.00E+00	7.82E-06	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.30E-03
2662	ALL	489466.5	3614117	NonCancer	1.83E-03	6.23E-06	1.15E-03	0.00E+00	0.00E+00	1.15E-03	6.23E-06	0.00E+00	6.23E-06	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	1.83E-03
2663	ALL	489464.5	3614092	NonCancer	1.75E-03	5.95E-06	1.10E-03	0.00E+00	0.00E+00	1.10E-03	5.95E-06	0.00E+00	5.95E-06	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	1.75E-03
2664	ALL	489396.4	3614578	NonCancer	1.48E-03	5.03E-06	9.31E-04	0.00E+00	0.00E+00	9.31E-04	5.03E-06	0.00E+00	5.03E-06	0.00E+00	0.00E+00	9.31E-04	0.00E+00	0.00E+00	1.48E-03
2665	ALL	489379	3614593	NonCancer	1.94E-03	6.61E-06	1.22E-03	0.00E+00	0.00E+00	1.22E-03	6.61E-06	0.00E+00	6.61E-06	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	1.94E-03
2666	ALL	489361.5	3614607	NonCancer	2.34E-03	7.96E-06	1.47E-03	0.00E+00	0.00E+00	1.47E-03	7.96E-06	0.00E+00	7.96E-06	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.34E-03
2667	ALL	489568.3	3614133	NonCancer	1.73E-03	5.89E-06	1.09E-03	0.00E+00	0.00E+00	1.09E-03	5.89E-06	0.00E+00	5.89E-06	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	1.73E-03
2668	ALL	489566.2	3614108	NonCancer	1.51E-03	5.12E-06	9.48E-04	0.00E+00	0.00E+00	9.48E-04	5.12E-06	0.00E+00	5.12E-06	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	1.51E-03
2669	ALL	489564.1	3614083	NonCancer	1.16E-03	3.96E-06	7.33E-04	0.00E+00	0.00E+00	7.33E-04	3.96E-06	0.00E+00	3.96E-06	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	1.16E-03
2670	ALL	489456	3614652	NonCancer	9.64E-04	3.28E-06	6.07E-04	0.00E+00	0.00E+00	6.07E-04	3.28E-06	0.00E+00	3.28E-06	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	9.64E-04
2671	ALL	489419.2	3614683	NonCancer	1.56E-03	5.31E-06	9.83E-04	0.00E+00	0.00E+00	9.83E-04	5.31E-06	0.00E+00	5.31E-06	0.00E+00	0.00E+00	9.83E-04	0.00E+00	0.00E+00	1.56E-03
2672	ALL	489676.3	3614223	NonCancer	1.08E-03	3.68E-06	6.81E-04	0.00E+00	0.00E+00	6.81E-04	3.68E-06	0.00E+00	3.68E-06	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	1.08E-03
2673	ALL	489674.2	3614199	NonCancer	9.18E-04	3.12E-06	5.78E-04	0.00E+00	0.00E+00	5.78E-04	3.12E-06	0.00E+00	3.12E-06	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	9.18E-04
2674	ALL	489665.8	3614100	NonCancer	1.25E-03	4.26E-06	7.89E-04	0.00E+00	0.00E+00	7.89E-04	4.26E-06	0.00E+00	4.26E-06	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00	1.25E-03
2675	ALL	489663.8	3614075	NonCancer	1.08E-03	3.67E-06	6.80E-04	0.00E+00	0.00E+00	6.80E-04	3.67E-06	0.00E+00	3.67E-06	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	1.08E-03
2676	ALL	489770.4	3614238	NonCancer	9.36E-04	3.18E-06	5.89E-04	0.00E+00	0.00E+00	5.89E-04	3.18E-06	0.00E+00	3.18E-06	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	9.36E-04
2677	ALL	489710.4	3614489	NonCancer	7.21E-04	2.45E-06	4.54E-04	0.00E+00	0.00E+00	4.54E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	7.21E-04
2678	ALL	489526.8	3614717	NonCancer	7.27E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.27E-04
2679	ALL	489490.9	3614747	NonCancer	9.17E-04	3.12E-06	5.77E-04	0.00E+00	0.00E+00	5.77E-04	3.12E-06	0.00E+00	3.12E-06	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	9.17E-04
2680	ALL	489472.9	3614762	NonCancer	1.12E-03	3.82E-06	7.07E-04	0.00E+00	0.00E+00	7.07E-04	3.82E-06	0.00E+00	3.82E-06	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	1.12E-03
2681	ALL	489437	3614792	NonCancer	1.43E-03	4.86E-06	9.01E-04	0.00E+00	0.00E+00	9.01E-04	4.86E-06	0.00E+00	4.86E-06	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00	1.43E-03
2682	ALL	489775.9	3614215	NonCancer	7.85E-04	2.67E-06	4.94E-04	0.00E+00	0.00E+00	4.94E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	7.85E-04
2683	ALL	489773.8	3614190	NonCancer	6.88E-04	2.34E-06	4.33E-04	0.00E+00	0.00E+00	4.33E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	6.88E-04
2684	ALL	489771.7	3614166	NonCancer	7.21E-04	2.45E-06	4.54E-04	0.00E+00	0.00E+00	4.54E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	7.21E-04
2685	ALL	489769.7	3614141	NonCancer	8.77E-04	2.98E-06	5.52E-04	0.00E+00	0.00E+00	5.52E-04	2.98E-06	0.00E+00	2.98E-06	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	8.77E-04
2686	ALL	489763.4	3614067	NonCancer	9.49E-04	3.23E-06	5.97E-04	0.00E+00	0.00E+00	5.97E-04	3.23E-06	0.00E+00	3.23E-06	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	9.49E-04
2687	ALL	489869.9	3614230	NonCancer	6.97E-04	2.37E-06	4.39E-04	0.00E+00	0.00E+00	4.39E-04	2.37E-06	0.00E+00	2.37E-06	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	6.97E-04
2688	ALL	489864.2	3614254	NonCancer	8.05E-04	2.74E-06	5.07E-04	0.00E+00	0.00E+00	5.07E-04	2.74E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	8.05E-04
2689	ALL	489858.6	3614278	NonCancer	8.85E-04	3.01E-06	5.57E-04	0.00E+00	0.00E+00	5.57E-04	3.01E-06	0.00E+00	3.01E-06	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	8.85E-04
2690	ALL	489802	3614515	NonCancer	5.66E-04	1.93E-06	3.57E-04	0.00E+00	0.00E+00	3.57E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	5.66E-04
2691	ALL	489796.3	3614538	NonCancer	5.62E-04	1.91E-06	3.54E-04	0.00E+00	0.00E+00	3.54E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	5.62E-04
2692	ALL	489605.9	3614774	NonCancer	6.37E-04	2.16E-06	4.01E-04	0.00E+00	0.00E+00	4.01E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	6.37E-04
2693	ALL	489568.7	3614806	NonCancer	3.93E-03	1.33E-05	2.47E-03	0.00E+00	0.00E+00	2.47E-03	1.33E-05	0.00E+00	1.33E-05	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	3.93E-03
2694	ALL	489550	3614821	NonCancer	6.59E-04	2.24E-06	4.15E-04	0.00E+00	0.00E+00	4.15E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	6.59E-04
2695	ALL	489531.4	3614837	NonCancer	8.00E-04	2.72E-06	5.04E-04	0.00E+00	0.00E+00	5.04E-04	2.72E-06	0.00E+00	2.72E-06	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	8.00E-04
2696	ALL	489512.7	3614853	NonCancer	9.68E-04	3.29E-06	6.09E-04	0.00E+00	0.00E+00	6.09E-04	3.29E-06	0.00E+00	3.29E-06	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	9.68E-04
2697	ALL	489494.1	3614868	NonCancer	1.10E-03	3.75E-06	6.94E-04	0.00E+00	0.00E+00	6.94E-04	3.75E-06	0.00E+00	3.75E-06	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	1.10E-03
2698	ALL	489875.6	3614207	NonCancer	5.83E-04	1.98E-06	3.67E-04	0.00E+00	0.00E+00	3.67E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	5.83E-04
2699	ALL	489873.5	3614182	NonCancer	5.21E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.21E-04
2700	ALL	489871.4	3614157	NonCancer	5.37E-04	1.83E-06	3.38E-04	0.00E+00	0.00E+00	3.38E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	5.37E-04
2701	ALL	489869.3	3614132	NonCancer	6.57E-04	2.23E-06	4.14E-04	0.00E+00	0.00E+00	4.14E-04	2.23E-06	0.00E+00	2.23E-06	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	6.57E-04
2702	ALL	489865.1	3614083	NonCancer	8.05E-04	2.74E-06	5.07E-04	0.00E+00	0.00E+00	5.07E-04	2.74E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	8.05E-04
2703	ALL	489863.1	3614058	NonCancer	8.03E-04	2.73E-06	5.06E-04	0.00E+00	0.00E+00	5.06E-04	2.73E-06	0.00E+00	2.73E-06	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	8.03E-04

2704	ALL	489969.7	3614221	NonCancer	5.40E-04	1.84E-06	3.40E-04	0.00E+00	0.00E+00	3.40E-04	1.84E-06	0.00E+00	1.84E-06	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	5.40E-04
2705	ALL	489964.1	3614245	NonCancer	6.24E-04	2.12E-06	3.93E-04	0.00E+00	0.00E+00	3.93E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	6.24E-04
2706	ALL	489958.6	3614268	NonCancer	6.97E-04	2.37E-06	4.39E-04	0.00E+00	0.00E+00	4.39E-04	2.37E-06	0.00E+00	2.37E-06	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	6.97E-04
2707	ALL	489897.6	3614523	NonCancer	4.59E-04	1.56E-06	2.89E-04	0.00E+00	0.00E+00	2.89E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	4.59E-04
2708	ALL	489892.1	3614546	NonCancer	4.55E-04	1.55E-06	2.87E-04	0.00E+00	0.00E+00	2.87E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	4.55E-04
2709	ALL	489886.5	3614570	NonCancer	4.53E-04	1.54E-06	2.85E-04	0.00E+00	0.00E+00	2.85E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	4.53E-04
2710	ALL	489881	3614593	NonCancer	4.46E-04	1.51E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.46E-04
2711	ALL	489840.5	3614701	NonCancer	9.15E-04	3.11E-06	5.76E-04	0.00E+00	0.00E+00	5.76E-04	3.11E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	9.15E-04
2712	ALL	489621.4	3614885	NonCancer	3.31E-03	1.12E-05	2.08E-03	0.00E+00	0.00E+00	2.08E-03	1.12E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.31E-03
2713	ALL	489603.2	3614901	NonCancer	4.04E-03	1.37E-05	2.55E-03	0.00E+00	0.00E+00	2.55E-03	1.37E-05	0.00E+00	1.37E-05	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.04E-03
2714	ALL	489584.9	3614916	NonCancer	3.78E-03	1.28E-05	2.38E-03	0.00E+00	0.00E+00	2.38E-03	1.28E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	3.78E-03
2715	ALL	489566.6	3614931	NonCancer	4.20E-03	1.43E-05	2.64E-03	0.00E+00	0.00E+00	2.64E-03	1.43E-05	0.00E+00	1.43E-05	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.20E-03
2716	ALL	489975.2	3614198	NonCancer	4.57E-04	1.55E-06	2.88E-04	0.00E+00	0.00E+00	2.88E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	4.57E-04
2717	ALL	489973.1	3614174	NonCancer	4.15E-04	1.41E-06	2.61E-04	0.00E+00	0.00E+00	2.61E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	4.15E-04
2718	ALL	489971	3614149	NonCancer	4.15E-04	1.41E-06	2.61E-04	0.00E+00	0.00E+00	2.61E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	4.15E-04
2719	ALL	489968.9	3614124	NonCancer	5.09E-04	1.73E-06	3.20E-04	0.00E+00	0.00E+00	3.20E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	5.09E-04
2720	ALL	489966.9	3614099	NonCancer	5.92E-04	2.01E-06	3.73E-04	0.00E+00	0.00E+00	3.73E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	5.92E-04
2721	ALL	489962.7	3614050	NonCancer	6.71E-04	2.28E-06	4.23E-04	0.00E+00	0.00E+00	4.23E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	6.71E-04
2722	ALL	490168.9	3614205	NonCancer	3.51E-04	1.19E-06	2.21E-04	0.00E+00	0.00E+00	2.21E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	3.51E-04
2723	ALL	490163.3	3614228	NonCancer	4.05E-04	1.38E-06	2.55E-04	0.00E+00	0.00E+00	2.55E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	4.05E-04
2724	ALL	490157.7	3614252	NonCancer	4.58E-04	1.56E-06	2.88E-04	0.00E+00	0.00E+00	2.88E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	4.58E-04
2725	ALL	490152.1	3614275	NonCancer	5.03E-04	1.71E-06	3.17E-04	0.00E+00	0.00E+00	3.17E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	5.03E-04
2726	ALL	490146.5	3614299	NonCancer	5.37E-04	1.83E-06	3.38E-04	0.00E+00	0.00E+00	3.38E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	5.37E-04
2727	ALL	490079.4	3614580	NonCancer	3.09E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.09E-04
2728	ALL	490073.8	3614603	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
2729	ALL	490068.2	3614627	NonCancer	3.35E-04	1.14E-06	2.11E-04	0.00E+00	0.00E+00	2.11E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	3.35E-04
2730	ALL	490062.6	3614650	NonCancer	3.37E-04	1.14E-06	2.12E-04	0.00E+00	0.00E+00	2.12E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	3.37E-04
2731	ALL	490057	3614673	NonCancer	3.25E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.25E-04
2732	ALL	490010.6	3614806	NonCancer	1.07E-03	3.63E-06	6.72E-04	0.00E+00	0.00E+00	6.72E-04	3.63E-06	0.00E+00	3.63E-06	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00	1.07E-03
2733	ALL	489992.1	3614822	NonCancer	1.30E-03	4.41E-06	8.17E-04	0.00E+00	0.00E+00	8.17E-04	4.41E-06	0.00E+00	4.41E-06	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	1.30E-03
2734	ALL	489973.7	3614837	NonCancer	8.19E-04	2.79E-06	5.16E-04	0.00E+00	0.00E+00	5.16E-04	2.79E-06	0.00E+00	2.79E-06	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	8.19E-04
2735	ALL	489918.4	3614884	NonCancer	9.03E-04	3.07E-06	5.68E-04	0.00E+00	0.00E+00	5.68E-04	3.07E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	9.03E-04
2736	ALL	489899.9	3614899	NonCancer	8.37E-04	2.84E-06	5.27E-04	0.00E+00	0.00E+00	5.27E-04	2.84E-06	0.00E+00	2.84E-06	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	8.37E-04
2737	ALL	489789.3	3614992	NonCancer	3.53E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.53E-04
2738	ALL	489734	3615039	NonCancer	3.24E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.24E-04
2739	ALL	489715.6	3615054	NonCancer	3.48E-04	1.18E-06	2.19E-04	0.00E+00	0.00E+00	2.19E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	3.48E-04
2740	ALL	489697.1	3615070	NonCancer	4.14E-04	1.41E-06	2.61E-04	0.00E+00	0.00E+00	2.61E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	4.14E-04
2741	ALL	489678.7	3615085	NonCancer	2.64E-03	8.96E-06	1.66E-03	0.00E+00	0.00E+00	1.66E-03	8.96E-06	0.00E+00	8.96E-06	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	2.64E-03
2742	ALL	489641.8	3615116	NonCancer	2.89E-03	9.84E-06	1.82E-03	0.00E+00	0.00E+00	1.82E-03	9.84E-06	0.00E+00	9.84E-06	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	2.89E-03
2743	ALL	490174.5	3614181	NonCancer	3.06E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.06E-04
2744	ALL	490172.4	3614157	NonCancer	3.06E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.06E-04
2745	ALL	490170.3	3614132	NonCancer	3.05E-04	1.04E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.05E-04
2746	ALL	490168.2	3614107	NonCancer	3.30E-04	1.12E-06	2.08E-04	0.00E+00	0.00E+00	2.08E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	3.30E-04
2747	ALL	490166.2	3614083	NonCancer	3.89E-04	1.32E-06	2.45E-04	0.00E+00	0.00E+00	2.45E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	3.89E-04
2748	ALL	490164.1	3614058	NonCancer	4.40E-04	1.50E-06	2.77E-04	0.00E+00	0.00E+00	2.77E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	4.40E-04
2749	ALL	490162	3614033	NonCancer	4.77E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.77E-04
2750	ALL	490368.2	3614188	NonCancer	2.43E-04	8.26E-07	1.53E-04	0.00E+00	0.00E+00	1.53E-04	8.26E-07	0.00E+00	8.26E-07	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	2.43E-04
2751	ALL	490362.5	3614212	NonCancer	2.79E-04	9.49E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.49E-07	0.00E+00	9.49E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.79E-04
2752	ALL	490356.9	3614235	NonCancer	3.17E-04	1.08E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.17E-04
2753	ALL	490351.3	3614259	NonCancer	3.53E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.53E-04
2754	ALL	490345.6	3614283	NonCancer	3.85E-04	1.31E-06	2.43E-04	0.00E+00	0.00E+00	2.43E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	3.85E-04
2755	ALL	490340	3614306	NonCancer	4.10E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.10E-04

2756	ALL	490334.4	3614330	NonCancer	4.25E-04	1.44E-06	2.68E-04	0.00E+00	0.00E+00	2.68E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	4.25E-04
2757	ALL	490328.7	3614353	NonCancer	4.29E-04	1.46E-06	2.70E-04	0.00E+00	0.00E+00	2.70E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	4.29E-04
2758	ALL	490289.3	3614518	NonCancer	2.47E-04	8.39E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.39E-07	0.00E+00	8.39E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.47E-04
2759	ALL	490266.8	3614613	NonCancer	2.45E-04	8.34E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.34E-07	0.00E+00	8.34E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.45E-04
2760	ALL	490261.1	3614636	NonCancer	2.45E-04	8.32E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.32E-07	0.00E+00	8.32E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.45E-04
2761	ALL	490255.5	3614660	NonCancer	2.60E-04	8.85E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.85E-07	0.00E+00	8.85E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.60E-04
2762	ALL	490249.9	3614683	NonCancer	2.76E-04	9.39E-07	1.74E-04	0.00E+00	0.00E+00	1.74E-04	9.39E-07	0.00E+00	9.39E-07	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	2.76E-04
2763	ALL	490244.2	3614707	NonCancer	2.85E-04	9.70E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.70E-07	0.00E+00	9.70E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.85E-04
2764	ALL	490238.6	3614731	NonCancer	2.86E-04	9.71E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.71E-07	0.00E+00	9.71E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.86E-04
2765	ALL	490233	3614754	NonCancer	2.79E-04	9.50E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.50E-07	0.00E+00	9.50E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.79E-04
2766	ALL	490204.8	3614872	NonCancer	2.75E-04	9.36E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.36E-07	0.00E+00	9.36E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.75E-04
2767	ALL	490180.6	3614911	NonCancer	4.21E-04	1.43E-06	2.65E-04	0.00E+00	0.00E+00	2.65E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	4.21E-04
2768	ALL	490162.1	3614927	NonCancer	8.86E-04	3.01E-06	5.58E-04	0.00E+00	0.00E+00	5.58E-04	3.01E-06	0.00E+00	3.01E-06	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	8.86E-04
2769	ALL	490143.5	3614942	NonCancer	1.24E-03	4.21E-06	7.80E-04	0.00E+00	0.00E+00	7.80E-04	4.21E-06	0.00E+00	4.21E-06	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	1.24E-03
2770	ALL	490125	3614958	NonCancer	1.73E-03	5.87E-06	1.09E-03	0.00E+00	0.00E+00	1.09E-03	5.87E-06	0.00E+00	5.87E-06	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	1.73E-03
2771	ALL	490106.4	3614974	NonCancer	2.05E-03	6.97E-06	1.29E-03	0.00E+00	0.00E+00	1.29E-03	6.97E-06	0.00E+00	6.97E-06	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.05E-03
2772	ALL	490050.7	3615021	NonCancer	1.94E-03	6.58E-06	1.22E-03	0.00E+00	0.00E+00	1.22E-03	6.58E-06	0.00E+00	6.58E-06	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	1.94E-03
2773	ALL	490032.2	3615036	NonCancer	2.08E-03	7.06E-06	1.31E-03	0.00E+00	0.00E+00	1.31E-03	7.06E-06	0.00E+00	7.06E-06	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.08E-03
2774	ALL	489958	3615099	NonCancer	1.69E-03	5.75E-06	1.07E-03	0.00E+00	0.00E+00	1.07E-03	5.75E-06	0.00E+00	5.75E-06	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.69E-03
2775	ALL	489865.2	3615177	NonCancer	2.33E-04	7.94E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.94E-07	0.00E+00	7.94E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.33E-04
2776	ALL	489846.6	3615192	NonCancer	2.35E-04	8.00E-07	1.48E-04	0.00E+00	0.00E+00	1.48E-04	8.00E-07	0.00E+00	8.00E-07	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	2.35E-04
2777	ALL	489828.1	3615208	NonCancer	2.39E-04	8.12E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04	8.12E-07	0.00E+00	8.12E-07	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	2.39E-04
2778	ALL	489809.5	3615223	NonCancer	2.85E-04	9.67E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.67E-07	0.00E+00	9.67E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.85E-04
2779	ALL	489791	3615239	NonCancer	3.31E-04	1.12E-06	2.08E-04	0.00E+00	0.00E+00	2.08E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	3.31E-04
2780	ALL	489772.4	3615255	NonCancer	3.74E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.74E-04
2781	ALL	490373.8	3614165	NonCancer	2.27E-04	7.73E-07	1.43E-04	0.00E+00	0.00E+00	1.43E-04	7.73E-07	0.00E+00	7.73E-07	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	2.27E-04
2782	ALL	490371.7	3614140	NonCancer	2.27E-04	7.71E-07	1.43E-04	0.00E+00	0.00E+00	1.43E-04	7.71E-07	0.00E+00	7.71E-07	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	2.27E-04
2783	ALL	490369.6	3614115	NonCancer	2.27E-04	7.73E-07	1.43E-04	0.00E+00	0.00E+00	1.43E-04	7.73E-07	0.00E+00	7.73E-07	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	2.27E-04
2784	ALL	490367.5	3614090	NonCancer	2.27E-04	7.72E-07	1.43E-04	0.00E+00	0.00E+00	1.43E-04	7.72E-07	0.00E+00	7.72E-07	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	2.27E-04
2785	ALL	490365.5	3614066	NonCancer	2.67E-04	9.08E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.08E-07	0.00E+00	9.08E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.67E-04
2786	ALL	490363.4	3614041	NonCancer	3.06E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.06E-04
2787	ALL	490361.3	3614016	NonCancer	3.41E-04	1.16E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.41E-04
2788	ALL	490567.4	3614172	NonCancer	1.99E-04	6.77E-07	1.25E-04	0.00E+00	0.00E+00	1.25E-04	6.77E-07	0.00E+00	6.77E-07	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	1.99E-04
2789	ALL	490561.8	3614195	NonCancer	2.16E-04	7.35E-07	1.36E-04	0.00E+00	0.00E+00	1.36E-04	7.35E-07	0.00E+00	7.35E-07	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	2.16E-04
2790	ALL	490556.1	3614219	NonCancer	2.30E-04	7.81E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.81E-07	0.00E+00	7.81E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
2791	ALL	490550.4	3614243	NonCancer	2.56E-04	8.72E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.72E-07	0.00E+00	8.72E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.56E-04
2792	ALL	490544.8	3614266	NonCancer	2.82E-04	9.60E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.60E-07	0.00E+00	9.60E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.82E-04
2793	ALL	490539.1	3614290	NonCancer	3.06E-04	1.04E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.06E-04
2794	ALL	490533.5	3614314	NonCancer	3.24E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.24E-04
2795	ALL	490527.8	3614337	NonCancer	3.36E-04	1.14E-06	2.12E-04	0.00E+00	0.00E+00	2.12E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	3.36E-04
2796	ALL	490522.2	3614361	NonCancer	3.41E-04	1.16E-06	2.15E-04	0.00E+00	0.00E+00	2.15E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.41E-04
2797	ALL	490516.5	3614385	NonCancer	3.39E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.39E-04
2798	ALL	490448.6	3614669	NonCancer	6.19E-04	2.10E-06	3.90E-04	0.00E+00	0.00E+00	3.90E-04	2.10E-06	0.00E+00	2.10E-06	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	6.19E-04
2799	ALL	490442.9	3614693	NonCancer	4.85E-04	1.65E-06	3.05E-04	0.00E+00	0.00E+00	3.05E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	4.85E-04
2800	ALL	490437.3	3614716	NonCancer	2.26E-04	7.68E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.68E-07	0.00E+00	7.68E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.26E-04
2801	ALL	490431.6	3614740	NonCancer	2.40E-04	8.16E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.16E-07	0.00E+00	8.16E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04
2802	ALL	490426	3614764	NonCancer	2.50E-04	8.50E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.50E-07	0.00E+00	8.50E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.50E-04
2803	ALL	490420.3	3614787	NonCancer	2.56E-04	8.69E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.69E-07	0.00E+00	8.69E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.56E-04
2804	ALL	490414.6	3614811	NonCancer	2.55E-04	8.68E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.68E-07	0.00E+00	8.68E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.55E-04
2805	ALL	490409	3614835	NonCancer	2.49E-04	8.46E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.46E-07	0.00E+00	8.46E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.49E-04
2806	ALL	490403.3	3614859	NonCancer	2.37E-04	8.06E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.06E-07	0.00E+00	8.06E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.37E-04
2807	ALL	490380.7	3614953	NonCancer	1.80E-04	6.11E-07	1.13E-04	0.00E+00	0.00E+00	1.13E-04	6.11E-07	0.00E+00	6.11E-07	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	1.80E-04

2808	ALL	490375	3614977	NonCancer	2.06E-04	7.00E-07	1.30E-04	0.00E+00	0.00E+00	1.30E-04	7.00E-07	0.00E+00	7.00E-07	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	2.06E-04
2809	ALL	490350.7	3615016	NonCancer	7.67E-04	2.61E-06	4.83E-04	0.00E+00	0.00E+00	4.83E-04	2.61E-06	0.00E+00	2.61E-06	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	7.67E-04
2810	ALL	490332.1	3615032	NonCancer	8.21E-04	2.79E-06	5.17E-04	0.00E+00	0.00E+00	5.17E-04	2.79E-06	0.00E+00	2.79E-06	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	8.21E-04
2811	ALL	490313.5	3615048	NonCancer	9.72E-04	3.31E-06	6.12E-04	0.00E+00	0.00E+00	6.12E-04	3.31E-06	0.00E+00	3.31E-06	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	9.72E-04
2812	ALL	490294.8	3615063	NonCancer	1.18E-03	4.03E-06	7.46E-04	0.00E+00	0.00E+00	7.46E-04	4.03E-06	0.00E+00	4.03E-06	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00	1.18E-03
2813	ALL	490276.2	3615079	NonCancer	1.47E-03	5.00E-06	9.25E-04	0.00E+00	0.00E+00	9.25E-04	5.00E-06	0.00E+00	5.00E-06	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00	1.47E-03
2814	ALL	490257.5	3615095	NonCancer	1.71E-03	5.83E-06	1.08E-03	0.00E+00	0.00E+00	1.08E-03	5.83E-06	0.00E+00	5.83E-06	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.71E-03
2815	ALL	490238.9	3615110	NonCancer	1.78E-03	6.05E-06	1.12E-03	0.00E+00	0.00E+00	1.12E-03	6.05E-06	0.00E+00	6.05E-06	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	1.78E-03
2816	ALL	490201.6	3615142	NonCancer	5.46E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.46E-04
2817	ALL	490164.3	3615173	NonCancer	1.39E-03	4.72E-06	8.74E-04	0.00E+00	0.00E+00	8.74E-04	4.72E-06	0.00E+00	4.72E-06	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00	1.39E-03
2818	ALL	489996.6	3615314	NonCancer	1.60E-03	5.45E-06	1.01E-03	0.00E+00	0.00E+00	1.01E-03	5.45E-06	0.00E+00	5.45E-06	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.60E-03
2819	ALL	489977.9	3615330	NonCancer	1.61E-03	5.49E-06	1.02E-03	0.00E+00	0.00E+00	1.02E-03	5.49E-06	0.00E+00	5.49E-06	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.61E-03
2820	ALL	489959.3	3615346	NonCancer	1.79E-03	6.10E-06	1.13E-03	0.00E+00	0.00E+00	1.13E-03	6.10E-06	0.00E+00	6.10E-06	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	1.79E-03
2821	ALL	489940.6	3615361	NonCancer	1.97E-03	6.71E-06	1.24E-03	0.00E+00	0.00E+00	1.24E-03	6.71E-06	0.00E+00	6.71E-06	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	1.97E-03
2822	ALL	489922	3615377	NonCancer	2.03E-03	6.91E-06	1.28E-03	0.00E+00	0.00E+00	1.28E-03	6.91E-06	0.00E+00	6.91E-06	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.03E-03
2823	ALL	489903.4	3615393	NonCancer	1.86E-03	6.34E-06	1.17E-03	0.00E+00	0.00E+00	1.17E-03	6.34E-06	0.00E+00	6.34E-06	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	1.86E-03
2824	ALL	489884.7	3615408	NonCancer	1.69E-03	5.75E-06	1.07E-03	0.00E+00	0.00E+00	1.07E-03	5.75E-06	0.00E+00	5.75E-06	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.69E-03
2825	ALL	489847.4	3615440	NonCancer	1.25E-03	4.24E-06	7.86E-04	0.00E+00	0.00E+00	7.86E-04	4.24E-06	0.00E+00	4.24E-06	0.00E+00	0.00E+00	7.86E-04	0.00E+00	0.00E+00	1.25E-03
2826	ALL	490573.1	3614148	NonCancer	1.80E-04	6.11E-07	1.13E-04	0.00E+00	0.00E+00	1.13E-04	6.11E-07	0.00E+00	6.11E-07	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	1.80E-04
2827	ALL	490571	3614123	NonCancer	1.79E-04	6.08E-07	1.13E-04	0.00E+00	0.00E+00	1.13E-04	6.08E-07	0.00E+00	6.08E-07	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	1.79E-04
2828	ALL	490568.9	3614098	NonCancer	1.79E-04	6.08E-07	1.13E-04	0.00E+00	0.00E+00	1.13E-04	6.08E-07	0.00E+00	6.08E-07	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	1.79E-04
2829	ALL	490566.8	3614074	NonCancer	1.79E-04	6.07E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.07E-07	0.00E+00	6.07E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.79E-04
2830	ALL	490564.7	3614049	NonCancer	1.92E-04	6.53E-07	1.21E-04	0.00E+00	0.00E+00	1.21E-04	6.53E-07	0.00E+00	6.53E-07	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.92E-04
2831	ALL	490562.7	3614024	NonCancer	2.22E-04	7.54E-07	1.40E-04	0.00E+00	0.00E+00	1.40E-04	7.54E-07	0.00E+00	7.54E-07	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	2.22E-04
2832	ALL	490560.6	3614000	NonCancer	2.50E-04	8.50E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.50E-07	0.00E+00	8.50E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.50E-04
2833	ALL	490766.7	3614155	NonCancer	4.72E-04	1.61E-06	2.97E-04	0.00E+00	0.00E+00	2.97E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	4.72E-04
2834	ALL	490761	3614179	NonCancer	4.62E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.62E-04
2835	ALL	490755.3	3614202	NonCancer	4.46E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.46E-04
2836	ALL	490749.7	3614226	NonCancer	5.95E-04	2.02E-06	3.74E-04	0.00E+00	0.00E+00	3.74E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	5.95E-04
2837	ALL	490744	3614250	NonCancer	7.52E-04	2.56E-06	4.74E-04	0.00E+00	0.00E+00	4.74E-04	2.56E-06	0.00E+00	2.56E-06	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	7.52E-04
2838	ALL	490738.3	3614274	NonCancer	9.05E-04	3.08E-06	5.70E-04	0.00E+00	0.00E+00	5.70E-04	3.08E-06	0.00E+00	3.08E-06	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	9.05E-04
2839	ALL	490732.6	3614297	NonCancer	1.04E-03	3.53E-06	6.54E-04	0.00E+00	0.00E+00	6.54E-04	3.53E-06	0.00E+00	3.53E-06	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	1.04E-03
2840	ALL	490726.9	3614321	NonCancer	1.13E-03	3.85E-06	7.13E-04	0.00E+00	0.00E+00	7.13E-04	3.85E-06	0.00E+00	3.85E-06	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	1.13E-03
2841	ALL	490721.3	3614345	NonCancer	1.24E-03	4.22E-06	7.81E-04	0.00E+00	0.00E+00	7.81E-04	4.22E-06	0.00E+00	4.22E-06	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	1.24E-03
2842	ALL	490715.6	3614369	NonCancer	1.27E-03	4.32E-06	8.01E-04	0.00E+00	0.00E+00	8.01E-04	4.32E-06	0.00E+00	4.32E-06	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	1.27E-03
2843	ALL	490709.9	3614393	NonCancer	1.22E-03	4.16E-06	7.70E-04	0.00E+00	0.00E+00	7.70E-04	4.16E-06	0.00E+00	4.16E-06	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00	1.22E-03
2844	ALL	490704.2	3614416	NonCancer	1.20E-03	4.07E-06	7.53E-04	0.00E+00	0.00E+00	7.53E-04	4.07E-06	0.00E+00	4.07E-06	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00	1.20E-03
2845	ALL	490630.4	3614725	NonCancer	1.30E-03	4.43E-06	8.20E-04	0.00E+00	0.00E+00	8.20E-04	4.43E-06	0.00E+00	4.43E-06	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00	1.30E-03
2846	ALL	490624.7	3614749	NonCancer	1.42E-03	4.84E-06	8.95E-04	0.00E+00	0.00E+00	8.95E-04	4.84E-06	0.00E+00	4.84E-06	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	1.42E-03
2847	ALL	490619.1	3614773	NonCancer	1.51E-03	5.14E-06	9.52E-04	0.00E+00	0.00E+00	9.52E-04	5.14E-06	0.00E+00	5.14E-06	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	1.51E-03
2848	ALL	490613.4	3614797	NonCancer	1.34E-03	4.54E-06	8.41E-04	0.00E+00	0.00E+00	8.41E-04	4.54E-06	0.00E+00	4.54E-06	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00	1.34E-03
2849	ALL	490607.7	3614820	NonCancer	7.04E-04	2.39E-06	4.43E-04	0.00E+00	0.00E+00	4.43E-04	2.39E-06	0.00E+00	2.39E-06	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	7.04E-04
2850	ALL	490602	3614844	NonCancer	2.34E-04	7.96E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.96E-07	0.00E+00	7.96E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.34E-04
2851	ALL	490596.4	3614868	NonCancer	2.38E-04	8.09E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04	8.09E-07	0.00E+00	8.09E-07	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	2.38E-04
2852	ALL	490590.7	3614892	NonCancer	2.37E-04	8.05E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.05E-07	0.00E+00	8.05E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.37E-04
2853	ALL	490585	3614916	NonCancer	2.31E-04	7.85E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.85E-07	0.00E+00	7.85E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.31E-04
2854	ALL	490579.3	3614939	NonCancer	2.21E-04	7.51E-07	1.39E-04	0.00E+00	0.00E+00	1.39E-04	7.51E-07	0.00E+00	7.51E-07	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	2.21E-04
2855	ALL	490556.6	3615034	NonCancer	1.52E-04	5.18E-07	9.59E-05	0.00E+00	0.00E+00	9.59E-05	5.18E-07	0.00E+00	5.18E-07	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00	1.52E-04
2856	ALL	490550.9	3615058	NonCancer	1.44E-04	4.88E-07	9.04E-05	0.00E+00	0.00E+00	9.04E-05	4.88E-07	0.00E+00	4.88E-07	0.00E+00	0.00E+00	9.04E-05	0.00E+00	0.00E+00	1.44E-04
2857	ALL	490545.3	3615082	NonCancer	1.59E-04	5.41E-07	1.00E-04	0.00E+00	0.00E+00	1.00E-04	5.41E-07	0.00E+00	5.41E-07	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	1.59E-04
2858	ALL	490520.9	3615121	NonCancer	4.79E-04	1.63E-06	3.02E-04	0.00E+00	0.00E+00	3.02E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	4.79E-04
2859	ALL	490502.2	3615137	NonCancer	5.74E-04	1.95E-06	3.62E-04	0.00E+00	0.00E+00	3.62E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	5.74E-04

2860	ALL	490483.5	3615153	NonCancer	9.18E-04	3.12E-06	5.78E-04	0.00E+00	0.00E+00	5.78E-04	3.12E-06	0.00E+00	3.12E-06	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	9.18E-04
2861	ALL	490464.8	3615169	NonCancer	1.16E-03	3.93E-06	7.28E-04	0.00E+00	0.00E+00	7.28E-04	3.93E-06	0.00E+00	3.93E-06	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00	1.16E-03
2862	ALL	490446	3615184	NonCancer	1.40E-03	4.77E-06	8.83E-04	0.00E+00	0.00E+00	8.83E-04	4.77E-06	0.00E+00	4.77E-06	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00	1.40E-03
2863	ALL	490427.3	3615200	NonCancer	1.58E-03	5.36E-06	9.92E-04	0.00E+00	0.00E+00	9.92E-04	5.36E-06	0.00E+00	5.36E-06	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00	1.58E-03
2864	ALL	490408.6	3615216	NonCancer	1.68E-03	5.72E-06	1.06E-03	0.00E+00	0.00E+00	1.06E-03	5.72E-06	0.00E+00	5.72E-06	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.68E-03
2865	ALL	490389.9	3615232	NonCancer	1.76E-03	5.98E-06	1.11E-03	0.00E+00	0.00E+00	1.11E-03	5.98E-06	0.00E+00	5.98E-06	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	1.76E-03
2866	ALL	490371.2	3615247	NonCancer	1.69E-03	5.74E-06	1.06E-03	0.00E+00	0.00E+00	1.06E-03	5.74E-06	0.00E+00	5.74E-06	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.69E-03
2867	ALL	490352.5	3615263	NonCancer	1.47E-03	5.01E-06	9.28E-04	0.00E+00	0.00E+00	9.28E-04	5.01E-06	0.00E+00	5.01E-06	0.00E+00	0.00E+00	9.28E-04	0.00E+00	0.00E+00	1.47E-03
2868	ALL	490333.8	3615279	NonCancer	1.45E-03	4.92E-06	9.11E-04	0.00E+00	0.00E+00	9.11E-04	4.92E-06	0.00E+00	4.92E-06	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	1.45E-03
2869	ALL	490296.4	3615310	NonCancer	1.59E-03	5.40E-06	1.00E-03	0.00E+00	0.00E+00	1.00E-03	5.40E-06	0.00E+00	5.40E-06	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.59E-03
2870	ALL	490128.1	3615452	NonCancer	1.53E-03	5.20E-06	9.64E-04	0.00E+00	0.00E+00	9.64E-04	5.20E-06	0.00E+00	5.20E-06	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00	1.53E-03
2871	ALL	490109.3	3615468	NonCancer	1.43E-03	4.86E-06	8.99E-04	0.00E+00	0.00E+00	8.99E-04	4.86E-06	0.00E+00	4.86E-06	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00	1.43E-03
2872	ALL	490090.6	3615483	NonCancer	1.47E-03	5.00E-06	9.25E-04	0.00E+00	0.00E+00	9.25E-04	5.00E-06	0.00E+00	5.00E-06	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00	1.47E-03
2873	ALL	490071.9	3615499	NonCancer	1.72E-03	5.84E-06	1.08E-03	0.00E+00	0.00E+00	1.08E-03	5.84E-06	0.00E+00	5.84E-06	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.72E-03
2874	ALL	490053.2	3615515	NonCancer	1.91E-03	6.48E-06	1.20E-03	0.00E+00	0.00E+00	1.20E-03	6.48E-06	0.00E+00	6.48E-06	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	1.91E-03
2875	ALL	490034.5	3615531	NonCancer	1.99E-03	6.77E-06	1.25E-03	0.00E+00	0.00E+00	1.25E-03	6.77E-06	0.00E+00	6.77E-06	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	1.99E-03
2876	ALL	490015.8	3615546	NonCancer	1.93E-03	6.57E-06	1.22E-03	0.00E+00	0.00E+00	1.22E-03	6.57E-06	0.00E+00	6.57E-06	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	1.93E-03
2877	ALL	489997.1	3615562	NonCancer	1.98E-03	6.72E-06	1.25E-03	0.00E+00	0.00E+00	1.25E-03	6.72E-06	0.00E+00	6.72E-06	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	1.98E-03
2878	ALL	489978.4	3615578	NonCancer	1.98E-03	6.72E-06	1.24E-03	0.00E+00	0.00E+00	1.24E-03	6.72E-06	0.00E+00	6.72E-06	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	1.98E-03
2879	ALL	489884.9	3615656	NonCancer	1.28E-03	4.36E-06	8.08E-04	0.00E+00	0.00E+00	8.08E-04	4.36E-06	0.00E+00	4.36E-06	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	1.28E-03
2880	ALL	489866.2	3615672	NonCancer	1.26E-03	4.30E-06	7.96E-04	0.00E+00	0.00E+00	7.96E-04	4.30E-06	0.00E+00	4.30E-06	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00	1.26E-03
2881	ALL	490772.4	3614131	NonCancer	5.49E-04	1.87E-06	3.45E-04	0.00E+00	0.00E+00	3.45E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	5.49E-04
2882	ALL	490770.3	3614106	NonCancer	6.66E-04	2.26E-06	4.19E-04	0.00E+00	0.00E+00	4.19E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	6.66E-04
2883	ALL	490768.2	3614082	NonCancer	6.91E-04	2.35E-06	4.35E-04	0.00E+00	0.00E+00	4.35E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	6.91E-04
2884	ALL	490766.1	3614057	NonCancer	7.83E-04	2.66E-06	4.93E-04	0.00E+00	0.00E+00	4.93E-04	2.66E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	7.83E-04
2885	ALL	490764	3614032	NonCancer	8.65E-04	2.94E-06	5.45E-04	0.00E+00	0.00E+00	5.45E-04	2.94E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	8.65E-04
2886	ALL	490762	3614007	NonCancer	9.18E-04	3.12E-06	5.78E-04	0.00E+00	0.00E+00	5.78E-04	3.12E-06	0.00E+00	3.12E-06	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	9.18E-04
2887	ALL	490759.9	3613983	NonCancer	9.30E-04	3.16E-06	5.86E-04	0.00E+00	0.00E+00	5.86E-04	3.16E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	9.30E-04
2888	ALL	490966	3614138	NonCancer	8.15E-04	2.77E-06	5.13E-04	0.00E+00	0.00E+00	5.13E-04	2.77E-06	0.00E+00	2.77E-06	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	8.15E-04
2889	ALL	490960.3	3614162	NonCancer	8.72E-04	2.97E-06	5.49E-04	0.00E+00	0.00E+00	5.49E-04	2.97E-06	0.00E+00	2.97E-06	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	8.72E-04
2890	ALL	490954.6	3614186	NonCancer	8.93E-04	3.04E-06	5.62E-04	0.00E+00	0.00E+00	5.62E-04	3.04E-06	0.00E+00	3.04E-06	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	8.93E-04
2891	ALL	490948.9	3614210	NonCancer	9.41E-04	3.20E-06	5.92E-04	0.00E+00	0.00E+00	5.92E-04	3.20E-06	0.00E+00	3.20E-06	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	9.41E-04
2892	ALL	490943.2	3614233	NonCancer	9.78E-04	3.32E-06	6.16E-04	0.00E+00	0.00E+00	6.16E-04	3.32E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	9.78E-04
2893	ALL	490937.5	3614257	NonCancer	1.01E-03	3.44E-06	6.37E-04	0.00E+00	0.00E+00	6.37E-04	3.44E-06	0.00E+00	3.44E-06	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	1.01E-03
2894	ALL	490931.8	3614281	NonCancer	1.03E-03	3.50E-06	6.48E-04	0.00E+00	0.00E+00	6.48E-04	3.50E-06	0.00E+00	3.50E-06	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	1.03E-03
2895	ALL	490926.1	3614305	NonCancer	1.13E-03	3.85E-06	7.14E-04	0.00E+00	0.00E+00	7.14E-04	3.85E-06	0.00E+00	3.85E-06	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00	1.13E-03
2896	ALL	490920.4	3614329	NonCancer	1.20E-03	4.08E-06	7.55E-04	0.00E+00	0.00E+00	7.55E-04	4.08E-06	0.00E+00	4.08E-06	0.00E+00	0.00E+00	7.55E-04	0.00E+00	0.00E+00	1.20E-03
2897	ALL	490914.7	3614353	NonCancer	1.37E-03	4.67E-06	8.66E-04	0.00E+00	0.00E+00	8.66E-04	4.67E-06	0.00E+00	4.67E-06	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	1.37E-03
2898	ALL	490909	3614376	NonCancer	1.51E-03	5.14E-06	9.53E-04	0.00E+00	0.00E+00	9.53E-04	5.14E-06	0.00E+00	5.14E-06	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00	1.51E-03
2899	ALL	490903.3	3614400	NonCancer	1.56E-03	5.30E-06	9.81E-04	0.00E+00	0.00E+00	9.81E-04	5.30E-06	0.00E+00	5.30E-06	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	1.56E-03
2900	ALL	490897.7	3614424	NonCancer	1.50E-03	5.11E-06	9.47E-04	0.00E+00	0.00E+00	9.47E-04	5.11E-06	0.00E+00	5.11E-06	0.00E+00	0.00E+00	9.47E-04	0.00E+00	0.00E+00	1.50E-03
2901	ALL	490892	3614448	NonCancer	1.36E-03	4.64E-06	8.58E-04	0.00E+00	0.00E+00	8.58E-04	4.64E-06	0.00E+00	4.64E-06	0.00E+00	0.00E+00	8.58E-04	0.00E+00	0.00E+00	1.36E-03
2902	ALL	490852.1	3614615	NonCancer	9.55E-04	3.25E-06	6.01E-04	0.00E+00	0.00E+00	6.01E-04	3.25E-06	0.00E+00	3.25E-06	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	9.55E-04
2903	ALL	490846.4	3614639	NonCancer	8.94E-04	3.04E-06	5.63E-04	0.00E+00	0.00E+00	5.63E-04	3.04E-06	0.00E+00	3.04E-06	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	8.94E-04
2904	ALL	490812.2	3614782	NonCancer	1.31E-03	4.45E-06	8.23E-04	0.00E+00	0.00E+00	8.23E-04	4.45E-06	0.00E+00	4.45E-06	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00	1.31E-03
2905	ALL	490806.6	3614806	NonCancer	1.39E-03	4.74E-06	8.78E-04	0.00E+00	0.00E+00	8.78E-04	4.74E-06	0.00E+00	4.74E-06	0.00E+00	0.00E+00	8.78E-04	0.00E+00	0.00E+00	1.39E-03
2906	ALL	490800.9	3614829	NonCancer	1.47E-03	5.00E-06	9.26E-04	0.00E+00	0.00E+00	9.26E-04	5.00E-06	0.00E+00	5.00E-06	0.00E+00	0.00E+00	9.26E-04	0.00E+00	0.00E+00	1.47E-03
2907	ALL	490795.2	3614853	NonCancer	1.43E-03	4.86E-06	9.01E-04	0.00E+00	0.00E+00	9.01E-04	4.86E-06	0.00E+00	4.86E-06	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00	1.43E-03
2908	ALL	490789.5	3614877	NonCancer	1.08E-03	3.67E-06	6.79E-04	0.00E+00	0.00E+00	6.79E-04	3.67E-06	0.00E+00	3.67E-06	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	1.08E-03
2909	ALL	490783.8	3614901	NonCancer	9.76E-04	3.32E-06	6.14E-04	0.00E+00	0.00E+00	6.14E-04	3.32E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	9.76E-04
2910	ALL	490778.1	3614925	NonCancer	9.68E-04	3.29E-06	6.09E-04	0.00E+00	0.00E+00	6.09E-04	3.29E-06	0.00E+00	3.29E-06	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	9.68E-04
2911	ALL	490772.4	3614949	NonCancer	9.86E-04	3.35E-06	6.21E-04	0.00E+00	0.00E+00	6.21E-04	3.35E-06	0.00E+00	3.35E-06	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	9.86E-04

2912	ALL	490766.7	3614972	NonCancer	9.05E-04	3.08E-06	5.70E-04	0.00E+00	0.00E+00	5.70E-04	3.08E-06	0.00E+00	3.08E-06	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	9.05E-04
2913	ALL	490761	3614996	NonCancer	7.87E-04	2.68E-06	4.96E-04	0.00E+00	0.00E+00	4.96E-04	2.68E-06	0.00E+00	2.68E-06	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	7.87E-04
2914	ALL	490755.3	3615020	NonCancer	8.20E-04	2.79E-06	5.16E-04	0.00E+00	0.00E+00	5.16E-04	2.79E-06	0.00E+00	2.79E-06	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	8.20E-04
2915	ALL	490732.5	3615115	NonCancer	1.48E-04	5.02E-07	9.30E-05	0.00E+00	0.00E+00	9.30E-05	5.02E-07	0.00E+00	5.02E-07	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00	1.48E-04
2916	ALL	490726.8	3615139	NonCancer	1.30E-04	4.44E-07	8.21E-05	0.00E+00	0.00E+00	8.21E-05	4.44E-07	0.00E+00	4.44E-07	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	1.30E-04
2917	ALL	490721.2	3615163	NonCancer	1.17E-04	3.96E-07	7.34E-05	0.00E+00	0.00E+00	7.34E-05	3.96E-07	0.00E+00	3.96E-07	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	1.17E-04
2918	ALL	490715.5	3615187	NonCancer	3.14E-04	1.07E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.14E-04
2919	ALL	490691	3615227	NonCancer	3.34E-04	1.13E-06	2.10E-04	0.00E+00	0.00E+00	2.10E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	3.34E-04
2920	ALL	490672.3	3615242	NonCancer	3.39E-04	1.15E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.39E-04
2921	ALL	490653.5	3615258	NonCancer	4.24E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.24E-04
2922	ALL	490634.7	3615274	NonCancer	2.89E-04	9.83E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.83E-07	0.00E+00	9.83E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.89E-04
2923	ALL	490616	3615290	NonCancer	3.25E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.25E-04
2924	ALL	490597.2	3615305	NonCancer	1.01E-03	3.44E-06	6.36E-04	0.00E+00	0.00E+00	6.36E-04	3.44E-06	0.00E+00	3.44E-06	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	1.01E-03
2925	ALL	490578.5	3615321	NonCancer	1.39E-03	4.71E-06	8.72E-04	0.00E+00	0.00E+00	8.72E-04	4.71E-06	0.00E+00	4.71E-06	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	1.39E-03
2926	ALL	490559.7	3615337	NonCancer	1.48E-03	5.03E-06	9.32E-04	0.00E+00	0.00E+00	9.32E-04	5.03E-06	0.00E+00	5.03E-06	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00	1.48E-03
2927	ALL	490541	3615353	NonCancer	1.56E-03	5.30E-06	9.82E-04	0.00E+00	0.00E+00	9.82E-04	5.30E-06	0.00E+00	5.30E-06	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	1.56E-03
2928	ALL	490522.2	3615369	NonCancer	1.52E-03	5.16E-06	9.56E-04	0.00E+00	0.00E+00	9.56E-04	5.16E-06	0.00E+00	5.16E-06	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00	1.52E-03
2929	ALL	490503.4	3615384	NonCancer	1.37E-03	4.65E-06	8.61E-04	0.00E+00	0.00E+00	8.61E-04	4.65E-06	0.00E+00	4.65E-06	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00	1.37E-03
2930	ALL	490484.7	3615400	NonCancer	1.33E-03	4.52E-06	8.38E-04	0.00E+00	0.00E+00	8.38E-04	4.52E-06	0.00E+00	4.52E-06	0.00E+00	0.00E+00	8.38E-04	0.00E+00	0.00E+00	1.33E-03
2931	ALL	490465.9	3615416	NonCancer	1.46E-03	4.96E-06	9.19E-04	0.00E+00	0.00E+00	9.19E-04	4.96E-06	0.00E+00	4.96E-06	0.00E+00	0.00E+00	9.19E-04	0.00E+00	0.00E+00	1.46E-03
2932	ALL	490259.6	3615589	NonCancer	1.43E-03	4.86E-06	9.00E-04	0.00E+00	0.00E+00	9.00E-04	4.86E-06	0.00E+00	4.86E-06	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	1.43E-03
2933	ALL	490240.9	3615605	NonCancer	1.39E-03	4.72E-06	8.75E-04	0.00E+00	0.00E+00	8.75E-04	4.72E-06	0.00E+00	4.72E-06	0.00E+00	0.00E+00	8.75E-04	0.00E+00	0.00E+00	1.39E-03
2934	ALL	490222.1	3615621	NonCancer	1.27E-03	4.33E-06	8.03E-04	0.00E+00	0.00E+00	8.03E-04	4.33E-06	0.00E+00	4.33E-06	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00	1.27E-03
2935	ALL	490203.3	3615637	NonCancer	1.32E-03	4.49E-06	8.31E-04	0.00E+00	0.00E+00	8.31E-04	4.49E-06	0.00E+00	4.49E-06	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	1.32E-03
2936	ALL	490184.6	3615653	NonCancer	1.57E-03	5.33E-06	9.88E-04	0.00E+00	0.00E+00	9.88E-04	5.33E-06	0.00E+00	5.33E-06	0.00E+00	0.00E+00	9.88E-04	0.00E+00	0.00E+00	1.57E-03
2937	ALL	490165.8	3615668	NonCancer	1.75E-03	5.94E-06	1.10E-03	0.00E+00	0.00E+00	1.10E-03	5.94E-06	0.00E+00	5.94E-06	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	1.75E-03
2938	ALL	490147.1	3615684	NonCancer	1.81E-03	6.15E-06	1.14E-03	0.00E+00	0.00E+00	1.14E-03	6.15E-06	0.00E+00	6.15E-06	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	1.81E-03
2939	ALL	490128.3	3615700	NonCancer	1.69E-03	5.76E-06	1.07E-03	0.00E+00	0.00E+00	1.07E-03	5.76E-06	0.00E+00	5.76E-06	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.69E-03
2940	ALL	490109.6	3615716	NonCancer	1.46E-03	4.97E-06	9.20E-04	0.00E+00	0.00E+00	9.20E-04	4.97E-06	0.00E+00	4.97E-06	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00	1.46E-03
2941	ALL	490090.8	3615731	NonCancer	1.42E-03	4.83E-06	8.94E-04	0.00E+00	0.00E+00	8.94E-04	4.83E-06	0.00E+00	4.83E-06	0.00E+00	0.00E+00	8.94E-04	0.00E+00	0.00E+00	1.42E-03
2942	ALL	490072	3615747	NonCancer	1.57E-03	5.33E-06	9.87E-04	0.00E+00	0.00E+00	9.87E-04	5.33E-06	0.00E+00	5.33E-06	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	1.57E-03
2943	ALL	489997	3615810	NonCancer	1.56E-03	5.29E-06	9.80E-04	0.00E+00	0.00E+00	9.80E-04	5.29E-06	0.00E+00	5.29E-06	0.00E+00	0.00E+00	9.80E-04	0.00E+00	0.00E+00	1.56E-03
2944	ALL	489978.3	3615826	NonCancer	1.66E-03	5.65E-06	1.05E-03	0.00E+00	0.00E+00	1.05E-03	5.65E-06	0.00E+00	5.65E-06	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.66E-03
2945	ALL	489959.5	3615842	NonCancer	1.74E-03	5.91E-06	1.09E-03	0.00E+00	0.00E+00	1.09E-03	5.91E-06	0.00E+00	5.91E-06	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	1.74E-03
2946	ALL	489865.7	3615921	NonCancer	1.51E-03	5.15E-06	9.53E-04	0.00E+00	0.00E+00	9.53E-04	5.15E-06	0.00E+00	5.15E-06	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00	1.51E-03
2947	ALL	490971.7	3614114	NonCancer	7.37E-04	2.51E-06	4.64E-04	0.00E+00	0.00E+00	4.64E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	7.37E-04
2948	ALL	490969.6	3614090	NonCancer	7.75E-04	2.64E-06	4.88E-04	0.00E+00	0.00E+00	4.88E-04	2.64E-06	0.00E+00	2.64E-06	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	7.75E-04
2949	ALL	490967.5	3614065	NonCancer	8.17E-04	2.78E-06	5.14E-04	0.00E+00	0.00E+00	5.14E-04	2.78E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	8.17E-04
2950	ALL	490965.4	3614040	NonCancer	8.16E-04	2.77E-06	5.14E-04	0.00E+00	0.00E+00	5.14E-04	2.77E-06	0.00E+00	2.77E-06	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	8.16E-04
2951	ALL	490963.3	3614015	NonCancer	8.24E-04	2.80E-06	5.19E-04	0.00E+00	0.00E+00	5.19E-04	2.80E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	8.24E-04
2952	ALL	490961.2	3613991	NonCancer	9.15E-04	3.11E-06	5.76E-04	0.00E+00	0.00E+00	5.76E-04	3.11E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	9.15E-04
2953	ALL	490959.2	3613966	NonCancer	9.67E-04	3.29E-06	6.09E-04	0.00E+00	0.00E+00	6.09E-04	3.29E-06	0.00E+00	3.29E-06	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	9.67E-04
2954	ALL	491364.5	3614105	NonCancer	6.69E-04	2.27E-06	4.21E-04	0.00E+00	0.00E+00	4.21E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	6.69E-04
2955	ALL	491358.8	3614129	NonCancer	7.30E-04	2.48E-06	4.60E-04	0.00E+00	0.00E+00	4.60E-04	2.48E-06	0.00E+00	2.48E-06	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	7.30E-04
2956	ALL	491353.1	3614152	NonCancer	7.62E-04	2.59E-06	4.80E-04	0.00E+00	0.00E+00	4.80E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	7.62E-04
2957	ALL	491347.4	3614176	NonCancer	7.64E-04	2.60E-06	4.81E-04	0.00E+00	0.00E+00	4.81E-04	2.60E-06	0.00E+00	2.60E-06	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	7.64E-04
2958	ALL	491341.7	3614200	NonCancer	7.64E-04	2.60E-06	4.81E-04	0.00E+00	0.00E+00	4.81E-04	2.60E-06	0.00E+00	2.60E-06	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	7.64E-04
2959	ALL	491336	3614224	NonCancer	7.26E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.26E-04
2960	ALL	491330.2	3614248	NonCancer	6.39E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.39E-04
2961	ALL	491324.5	3614272	NonCancer	5.33E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.33E-04
2962	ALL	491318.8	3614296	NonCancer	5.23E-04	1.78E-06	3.29E-04	0.00E+00	0.00E+00	3.29E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	5.23E-04
2963	ALL	491313.1	3614320	NonCancer	5.78E-04	1.97E-06	3.64E-04	0.00E+00	0.00E+00	3.64E-04	1.97E-06	0.00E+00	1.97E-06	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	5.78E-04

2964	ALL	491307.4	3614344	NonCancer	5.93E-04	2.02E-06	3.74E-04	0.00E+00	0.00E+00	3.74E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	5.93E-04
2965	ALL	491301.7	3614368	NonCancer	5.85E-04	1.99E-06	3.68E-04	0.00E+00	0.00E+00	3.68E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	5.85E-04
2966	ALL	491295.9	3614392	NonCancer	5.51E-04	1.87E-06	3.47E-04	0.00E+00	0.00E+00	3.47E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	5.51E-04
2967	ALL	491290.2	3614416	NonCancer	5.66E-04	1.92E-06	3.56E-04	0.00E+00	0.00E+00	3.56E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	5.66E-04
2968	ALL	491284.5	3614440	NonCancer	5.68E-04	1.93E-06	3.58E-04	0.00E+00	0.00E+00	3.58E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	5.68E-04
2969	ALL	491278.8	3614464	NonCancer	5.27E-04	1.79E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.27E-04
2970	ALL	491273.1	3614488	NonCancer	4.62E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.62E-04
2971	ALL	491267.4	3614511	NonCancer	3.94E-04	1.34E-06	2.48E-04	0.00E+00	0.00E+00	2.48E-04	1.34E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	3.94E-04
2972	ALL	491215.9	3614727	NonCancer	5.62E-04	1.91E-06	3.54E-04	0.00E+00	0.00E+00	3.54E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	5.62E-04
2973	ALL	491210.2	3614751	NonCancer	5.41E-04	1.84E-06	3.40E-04	0.00E+00	0.00E+00	3.40E-04	1.84E-06	0.00E+00	1.84E-06	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	5.41E-04
2974	ALL	491175.9	3614894	NonCancer	6.68E-04	2.27E-06	4.21E-04	0.00E+00	0.00E+00	4.21E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	6.68E-04
2975	ALL	491170.2	3614918	NonCancer	7.25E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.25E-04
2976	ALL	491164.5	3614942	NonCancer	7.37E-04	2.50E-06	4.64E-04	0.00E+00	0.00E+00	4.64E-04	2.50E-06	0.00E+00	2.50E-06	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	7.37E-04
2977	ALL	491158.8	3614966	NonCancer	7.26E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.26E-04
2978	ALL	491153	3614990	NonCancer	7.24E-04	2.46E-06	4.56E-04	0.00E+00	0.00E+00	4.56E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	7.24E-04
2979	ALL	491147.3	3615014	NonCancer	6.93E-04	2.35E-06	4.36E-04	0.00E+00	0.00E+00	4.36E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	6.93E-04
2980	ALL	491141.6	3615038	NonCancer	7.57E-04	2.57E-06	4.77E-04	0.00E+00	0.00E+00	4.77E-04	2.57E-06	0.00E+00	2.57E-06	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	7.57E-04
2981	ALL	491135.9	3615062	NonCancer	8.05E-04	2.74E-06	5.07E-04	0.00E+00	0.00E+00	5.07E-04	2.74E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	8.05E-04
2982	ALL	491130.2	3615086	NonCancer	7.87E-04	2.68E-06	4.96E-04	0.00E+00	0.00E+00	4.96E-04	2.68E-06	0.00E+00	2.68E-06	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	7.87E-04
2983	ALL	491124.5	3615110	NonCancer	7.47E-04	2.54E-06	4.71E-04	0.00E+00	0.00E+00	4.71E-04	2.54E-06	0.00E+00	2.54E-06	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	7.47E-04
2984	ALL	491118.7	3615134	NonCancer	6.76E-04	2.30E-06	4.26E-04	0.00E+00	0.00E+00	4.26E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	6.76E-04
2985	ALL	491113	3615158	NonCancer	6.38E-04	2.17E-06	4.01E-04	0.00E+00	0.00E+00	4.01E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	6.38E-04
2986	ALL	491107.3	3615182	NonCancer	6.76E-04	2.30E-06	4.26E-04	0.00E+00	0.00E+00	4.26E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	6.76E-04
2987	ALL	491078.7	3615301	NonCancer	7.30E-04	2.48E-06	4.60E-04	0.00E+00	0.00E+00	4.60E-04	2.48E-06	0.00E+00	2.48E-06	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	7.30E-04
2988	ALL	491073	3615325	NonCancer	1.04E-03	3.54E-06	6.56E-04	0.00E+00	0.00E+00	6.56E-04	3.54E-06	0.00E+00	3.54E-06	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	1.04E-03
2989	ALL	491067.3	3615349	NonCancer	6.47E-04	2.20E-06	4.08E-04	0.00E+00	0.00E+00	4.08E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	6.47E-04
2990	ALL	491061.6	3615373	NonCancer	6.11E-04	2.08E-06	3.84E-04	0.00E+00	0.00E+00	3.84E-04	2.08E-06	0.00E+00	2.08E-06	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	6.11E-04
2991	ALL	491055.9	3615397	NonCancer	5.74E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.74E-04
2992	ALL	491031.3	3615437	NonCancer	5.35E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.35E-04
2993	ALL	491012.5	3615453	NonCancer	5.41E-04	1.84E-06	3.41E-04	0.00E+00	0.00E+00	3.41E-04	1.84E-06	0.00E+00	1.84E-06	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	5.41E-04
2994	ALL	490993.7	3615468	NonCancer	5.19E-04	1.77E-06	3.27E-04	0.00E+00	0.00E+00	3.27E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	5.19E-04
2995	ALL	490974.8	3615484	NonCancer	5.00E-04	1.70E-06	3.15E-04	0.00E+00	0.00E+00	3.15E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	5.00E-04
2996	ALL	490956	3615500	NonCancer	5.77E-04	1.96E-06	3.63E-04	0.00E+00	0.00E+00	3.63E-04	1.96E-06	0.00E+00	1.96E-06	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	5.77E-04
2997	ALL	490937.2	3615516	NonCancer	6.61E-04	2.25E-06	4.16E-04	0.00E+00	0.00E+00	4.16E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	6.61E-04
2998	ALL	490918.3	3615532	NonCancer	8.02E-04	2.73E-06	5.05E-04	0.00E+00	0.00E+00	5.05E-04	2.73E-06	0.00E+00	2.73E-06	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	8.02E-04
2999	ALL	490899.5	3615548	NonCancer	1.00E-03	3.40E-06	6.30E-04	0.00E+00	0.00E+00	6.30E-04	3.40E-06	0.00E+00	3.40E-06	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	1.00E-03
3000	ALL	490880.7	3615563	NonCancer	1.13E-03	3.86E-06	7.14E-04	0.00E+00	0.00E+00	7.14E-04	3.86E-06	0.00E+00	3.86E-06	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00	1.13E-03
3001	ALL	490861.8	3615579	NonCancer	1.18E-03	4.00E-06	7.41E-04	0.00E+00	0.00E+00	7.41E-04	4.00E-06	0.00E+00	4.00E-06	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	1.18E-03
3002	ALL	490843	3615595	NonCancer	1.22E-03	4.14E-06	7.67E-04	0.00E+00	0.00E+00	7.67E-04	4.14E-06	0.00E+00	4.14E-06	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00	1.22E-03
3003	ALL	490824.2	3615611	NonCancer	1.19E-03	4.05E-06	7.50E-04	0.00E+00	0.00E+00	7.50E-04	4.05E-06	0.00E+00	4.05E-06	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	1.19E-03
3004	ALL	490805.4	3615627	NonCancer	1.07E-03	3.65E-06	6.76E-04	0.00E+00	0.00E+00	6.76E-04	3.65E-06	0.00E+00	3.65E-06	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	1.07E-03
3005	ALL	490786.5	3615643	NonCancer	8.96E-04	3.05E-06	5.64E-04	0.00E+00	0.00E+00	5.64E-04	3.05E-06	0.00E+00	3.05E-06	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	8.96E-04
3006	ALL	490767.7	3615658	NonCancer	9.33E-04	3.17E-06	5.87E-04	0.00E+00	0.00E+00	5.87E-04	3.17E-06	0.00E+00	3.17E-06	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	9.33E-04
3007	ALL	490748.9	3615674	NonCancer	1.05E-03	3.58E-06	6.63E-04	0.00E+00	0.00E+00	6.63E-04	3.58E-06	0.00E+00	3.58E-06	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	1.05E-03
3008	ALL	490730	3615690	NonCancer	1.13E-03	3.83E-06	7.10E-04	0.00E+00	0.00E+00	7.10E-04	3.83E-06	0.00E+00	3.83E-06	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	1.13E-03
3009	ALL	490504.1	3615880	NonCancer	1.12E-03	3.81E-06	7.05E-04	0.00E+00	0.00E+00	7.05E-04	3.81E-06	0.00E+00	3.81E-06	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00	1.12E-03
3010	ALL	490485.2	3615896	NonCancer	1.12E-03	3.79E-06	7.03E-04	0.00E+00	0.00E+00	7.03E-04	3.79E-06	0.00E+00	3.79E-06	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	1.12E-03
3011	ALL	490466.4	3615912	NonCancer	1.05E-03	3.56E-06	6.59E-04	0.00E+00	0.00E+00	6.59E-04	3.56E-06	0.00E+00	3.56E-06	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	1.05E-03
3012	ALL	490447.6	3615928	NonCancer	9.25E-04	3.14E-06	5.82E-04	0.00E+00	0.00E+00	5.82E-04	3.14E-06	0.00E+00	3.14E-06	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	9.25E-04
3013	ALL	490428.7	3615944	NonCancer	9.00E-04	3.06E-06	5.67E-04	0.00E+00	0.00E+00	5.67E-04	3.06E-06	0.00E+00	3.06E-06	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	9.00E-04
3014	ALL	490409.9	3615959	NonCancer	1.10E-03	3.73E-06	6.91E-04	0.00E+00	0.00E+00	6.91E-04	3.73E-06	0.00E+00	3.73E-06	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	1.10E-03
3015	ALL	490391.1	3615975	NonCancer	1.25E-03	4.26E-06	7.90E-04	0.00E+00	0.00E+00	7.90E-04	4.26E-06	0.00E+00	4.26E-06	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	1.25E-03

3016	ALL	490372.2	3615991	NonCancer	1.35E-03	4.58E-06	8.49E-04	0.00E+00	0.00E+00	8.49E-04	4.58E-06	0.00E+00	4.58E-06	0.00E+00	0.00E+00	8.49E-04	0.00E+00	0.00E+00	1.35E-03
3017	ALL	490353.4	3616007	NonCancer	1.36E-03	4.63E-06	8.58E-04	0.00E+00	0.00E+00	8.58E-04	4.63E-06	0.00E+00	4.63E-06	0.00E+00	0.00E+00	8.58E-04	0.00E+00	0.00E+00	1.36E-03
3018	ALL	490334.6	3616023	NonCancer	1.28E-03	4.37E-06	8.09E-04	0.00E+00	0.00E+00	8.09E-04	4.37E-06	0.00E+00	4.37E-06	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00	1.28E-03
3019	ALL	490315.8	3616039	NonCancer	1.24E-03	4.21E-06	7.80E-04	0.00E+00	0.00E+00	7.80E-04	4.21E-06	0.00E+00	4.21E-06	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	1.24E-03
3020	ALL	490296.9	3616054	NonCancer	1.24E-03	4.20E-06	7.79E-04	0.00E+00	0.00E+00	7.79E-04	4.20E-06	0.00E+00	4.20E-06	0.00E+00	0.00E+00	7.79E-04	0.00E+00	0.00E+00	1.24E-03
3021	ALL	490278.1	3616070	NonCancer	1.18E-03	4.00E-06	7.41E-04	0.00E+00	0.00E+00	7.41E-04	4.00E-06	0.00E+00	4.00E-06	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	1.18E-03
3022	ALL	490259.3	3616086	NonCancer	1.21E-03	4.12E-06	7.64E-04	0.00E+00	0.00E+00	7.64E-04	4.12E-06	0.00E+00	4.12E-06	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00	1.21E-03
3023	ALL	490183.9	3616149	NonCancer	1.10E-03	3.75E-06	6.95E-04	0.00E+00	0.00E+00	6.95E-04	3.75E-06	0.00E+00	3.75E-06	0.00E+00	0.00E+00	6.95E-04	0.00E+00	0.00E+00	1.10E-03
3024	ALL	490165.1	3616165	NonCancer	1.16E-03	3.96E-06	7.33E-04	0.00E+00	0.00E+00	7.33E-04	3.96E-06	0.00E+00	3.96E-06	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	1.16E-03
3025	ALL	490146.3	3616181	NonCancer	1.22E-03	4.15E-06	7.69E-04	0.00E+00	0.00E+00	7.69E-04	4.15E-06	0.00E+00	4.15E-06	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	1.22E-03
3026	ALL	490127.4	3616197	NonCancer	1.32E-03	4.48E-06	8.29E-04	0.00E+00	0.00E+00	8.29E-04	4.48E-06	0.00E+00	4.48E-06	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	1.32E-03
3027	ALL	490033.3	3616276	NonCancer	1.27E-03	4.31E-06	7.99E-04	0.00E+00	0.00E+00	7.99E-04	4.31E-06	0.00E+00	4.31E-06	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00	1.27E-03
3028	ALL	490014.5	3616292	NonCancer	1.35E-03	4.59E-06	8.50E-04	0.00E+00	0.00E+00	8.50E-04	4.59E-06	0.00E+00	4.59E-06	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	1.35E-03
3029	ALL	491370.3	3614081	NonCancer	5.37E-04	1.82E-06	3.38E-04	0.00E+00	0.00E+00	3.38E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	5.37E-04
3030	ALL	491368.2	3614056	NonCancer	5.45E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.45E-04
3031	ALL	491366.1	3614031	NonCancer	5.61E-04	1.91E-06	3.53E-04	0.00E+00	0.00E+00	3.53E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	5.61E-04
3032	ALL	491364	3614006	NonCancer	5.79E-04	1.97E-06	3.65E-04	0.00E+00	0.00E+00	3.65E-04	1.97E-06	0.00E+00	1.97E-06	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	5.79E-04
3033	ALL	491361.9	3613982	NonCancer	6.08E-04	2.07E-06	3.83E-04	0.00E+00	0.00E+00	3.83E-04	2.07E-06	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	6.08E-04
3034	ALL	491359.8	3613957	NonCancer	6.89E-04	2.34E-06	4.34E-04	0.00E+00	0.00E+00	4.34E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	6.89E-04
3035	ALL	491357.8	3613932	NonCancer	7.42E-04	2.52E-06	4.67E-04	0.00E+00	0.00E+00	4.67E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	7.42E-04
3036	ALL	491763.1	3614071	NonCancer	4.96E-04	1.69E-06	3.12E-04	0.00E+00	0.00E+00	3.12E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	4.96E-04
3037	ALL	491757.4	3614095	NonCancer	5.06E-04	1.72E-06	3.19E-04	0.00E+00	0.00E+00	3.19E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.06E-04
3038	ALL	491751.6	3614119	NonCancer	5.14E-04	1.75E-06	3.24E-04	0.00E+00	0.00E+00	3.24E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	5.14E-04
3039	ALL	491745.9	3614143	NonCancer	5.11E-04	1.74E-06	3.22E-04	0.00E+00	0.00E+00	3.22E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.11E-04
3040	ALL	491740.2	3614167	NonCancer	4.85E-04	1.65E-06	3.06E-04	0.00E+00	0.00E+00	3.06E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	4.85E-04
3041	ALL	491734.4	3614191	NonCancer	4.56E-04	1.55E-06	2.87E-04	0.00E+00	0.00E+00	2.87E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	4.56E-04
3042	ALL	491728.7	3614215	NonCancer	4.43E-04	1.51E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.43E-04
3043	ALL	491723	3614239	NonCancer	4.48E-04	1.52E-06	2.82E-04	0.00E+00	0.00E+00	2.82E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	4.48E-04
3044	ALL	491717.3	3614263	NonCancer	4.38E-04	1.49E-06	2.76E-04	0.00E+00	0.00E+00	2.76E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	4.38E-04
3045	ALL	491711.5	3614287	NonCancer	4.14E-04	1.41E-06	2.60E-04	0.00E+00	0.00E+00	2.60E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	4.14E-04
3046	ALL	491705.8	3614311	NonCancer	4.61E-04	1.57E-06	2.90E-04	0.00E+00	0.00E+00	2.90E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	4.61E-04
3047	ALL	491700.1	3614335	NonCancer	5.10E-04	1.74E-06	3.21E-04	0.00E+00	0.00E+00	3.21E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	5.10E-04
3048	ALL	491694.3	3614359	NonCancer	5.55E-04	1.89E-06	3.49E-04	0.00E+00	0.00E+00	3.49E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	5.55E-04
3049	ALL	491688.6	3614383	NonCancer	5.89E-04	2.00E-06	3.71E-04	0.00E+00	0.00E+00	3.71E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	5.89E-04
3050	ALL	491682.9	3614407	NonCancer	5.64E-04	1.92E-06	3.55E-04	0.00E+00	0.00E+00	3.55E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	5.64E-04
3051	ALL	491677.1	3614431	NonCancer	5.82E-04	1.98E-06	3.67E-04	0.00E+00	0.00E+00	3.67E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	5.82E-04
3052	ALL	491671.4	3614455	NonCancer	6.29E-04	2.14E-06	3.96E-04	0.00E+00	0.00E+00	3.96E-04	2.14E-06	0.00E+00	2.14E-06	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	6.29E-04
3053	ALL	491665.7	3614479	NonCancer	6.05E-04	2.06E-06	3.81E-04	0.00E+00	0.00E+00	3.81E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	6.05E-04
3054	ALL	491659.9	3614503	NonCancer	6.13E-04	2.09E-06	3.86E-04	0.00E+00	0.00E+00	3.86E-04	2.09E-06	0.00E+00	2.09E-06	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	6.13E-04
3055	ALL	491654.2	3614527	NonCancer	5.44E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.44E-04
3056	ALL	491648.5	3614551	NonCancer	4.64E-04	1.58E-06	2.92E-04	0.00E+00	0.00E+00	2.92E-04	1.58E-06	0.00E+00	1.58E-06	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	4.64E-04
3057	ALL	491642.7	3614575	NonCancer	3.93E-04	1.34E-06	2.47E-04	0.00E+00	0.00E+00	2.47E-04	1.34E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	3.93E-04
3058	ALL	491585.4	3614815	NonCancer	5.20E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.20E-04
3059	ALL	491539.6	3615007	NonCancer	1.00E-03	3.40E-06	6.30E-04	0.00E+00	0.00E+00	6.30E-04	3.40E-06	0.00E+00	3.40E-06	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	1.00E-03
3060	ALL	491533.8	3615031	NonCancer	9.89E-04	3.36E-06	6.22E-04	0.00E+00	0.00E+00	6.22E-04	3.36E-06	0.00E+00	3.36E-06	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00	9.89E-04
3061	ALL	491528.1	3615055	NonCancer	1.00E-03	3.41E-06	6.32E-04	0.00E+00	0.00E+00	6.32E-04	3.41E-06	0.00E+00	3.41E-06	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	1.00E-03
3062	ALL	491522.4	3615079	NonCancer	9.79E-04	3.33E-06	6.16E-04	0.00E+00	0.00E+00	6.16E-04	3.33E-06	0.00E+00	3.33E-06	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	9.79E-04
3063	ALL	491516.6	3615103	NonCancer	9.51E-04	3.23E-06	5.99E-04	0.00E+00	0.00E+00	5.99E-04	3.23E-06	0.00E+00	3.23E-06	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00	9.51E-04
3064	ALL	491510.9	3615127	NonCancer	9.23E-04	3.14E-06	5.81E-04	0.00E+00	0.00E+00	5.81E-04	3.14E-06	0.00E+00	3.14E-06	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	9.23E-04
3065	ALL	491505.2	3615151	NonCancer	8.66E-04	2.95E-06	5.46E-04	0.00E+00	0.00E+00	5.46E-04	2.95E-06	0.00E+00	2.95E-06	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	8.66E-04
3066	ALL	491499.4	3615175	NonCancer	8.38E-04	2.85E-06	5.28E-04	0.00E+00	0.00E+00	5.28E-04	2.85E-06	0.00E+00	2.85E-06	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	8.38E-04
3067	ALL	491493.7	3615199	NonCancer	8.56E-04	2.91E-06	5.39E-04	0.00E+00	0.00E+00	5.39E-04	2.91E-06	0.00E+00	2.91E-06	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	8.56E-04

3068	ALL	491488	3615223	NonCancer	8.47E-04	2.88E-06	5.33E-04	0.00E+00	0.00E+00	5.33E-04	2.88E-06	0.00E+00	2.88E-06	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	8.47E-04
3069	ALL	491482.2	3615247	NonCancer	8.24E-04	2.80E-06	5.19E-04	0.00E+00	0.00E+00	5.19E-04	2.80E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	8.24E-04
3070	ALL	491476.5	3615271	NonCancer	7.38E-04	2.51E-06	4.65E-04	0.00E+00	0.00E+00	4.65E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	7.38E-04
3071	ALL	491470.8	3615295	NonCancer	6.42E-04	2.18E-06	4.04E-04	0.00E+00	0.00E+00	4.04E-04	2.18E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	6.42E-04
3072	ALL	491465.1	3615319	NonCancer	6.22E-04	2.12E-06	3.92E-04	0.00E+00	0.00E+00	3.92E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	6.22E-04
3073	ALL	491459.3	3615343	NonCancer	7.29E-04	2.48E-06	4.59E-04	0.00E+00	0.00E+00	4.59E-04	2.48E-06	0.00E+00	2.48E-06	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	7.29E-04
3074	ALL	491453.6	3615367	NonCancer	8.37E-04	2.85E-06	5.27E-04	0.00E+00	0.00E+00	5.27E-04	2.85E-06	0.00E+00	2.85E-06	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	8.37E-04
3075	ALL	491424.9	3615487	NonCancer	7.95E-04	2.70E-06	5.01E-04	0.00E+00	0.00E+00	5.01E-04	2.70E-06	0.00E+00	2.70E-06	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	7.95E-04
3076	ALL	491419.2	3615511	NonCancer	7.66E-04	2.60E-06	4.82E-04	0.00E+00	0.00E+00	4.82E-04	2.60E-06	0.00E+00	2.60E-06	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	7.66E-04
3077	ALL	491413.5	3615535	NonCancer	7.28E-04	2.48E-06	4.58E-04	0.00E+00	0.00E+00	4.58E-04	2.48E-06	0.00E+00	2.48E-06	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	7.28E-04
3078	ALL	491407.7	3615559	NonCancer	7.57E-04	2.58E-06	4.77E-04	0.00E+00	0.00E+00	4.77E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	7.57E-04
3079	ALL	491402	3615583	NonCancer	7.72E-04	2.62E-06	4.86E-04	0.00E+00	0.00E+00	4.86E-04	2.62E-06	0.00E+00	2.62E-06	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	7.72E-04
3080	ALL	491396.3	3615607	NonCancer	6.75E-04	2.30E-06	4.25E-04	0.00E+00	0.00E+00	4.25E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	6.75E-04
3081	ALL	491371.7	3615647	NonCancer	6.28E-04	2.14E-06	3.95E-04	0.00E+00	0.00E+00	3.95E-04	2.14E-06	0.00E+00	2.14E-06	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	6.28E-04
3082	ALL	491352.8	3615663	NonCancer	5.84E-04	1.98E-06	3.68E-04	0.00E+00	0.00E+00	3.68E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	5.84E-04
3083	ALL	491333.9	3615679	NonCancer	5.68E-04	1.93E-06	3.58E-04	0.00E+00	0.00E+00	3.58E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	5.68E-04
3084	ALL	491315	3615695	NonCancer	5.35E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.35E-04
3085	ALL	491296.1	3615710	NonCancer	5.03E-04	1.71E-06	3.17E-04	0.00E+00	0.00E+00	3.17E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	5.03E-04
3086	ALL	491277.2	3615726	NonCancer	5.24E-04	1.78E-06	3.30E-04	0.00E+00	0.00E+00	3.30E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	5.24E-04
3087	ALL	491258.4	3615742	NonCancer	6.11E-04	2.08E-06	3.85E-04	0.00E+00	0.00E+00	3.85E-04	2.08E-06	0.00E+00	2.08E-06	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	6.11E-04
3088	ALL	491239.5	3615758	NonCancer	6.99E-04	2.38E-06	4.40E-04	0.00E+00	0.00E+00	4.40E-04	2.38E-06	0.00E+00	2.38E-06	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	6.99E-04
3089	ALL	491220.6	3615774	NonCancer	7.94E-04	2.70E-06	5.00E-04	0.00E+00	0.00E+00	5.00E-04	2.70E-06	0.00E+00	2.70E-06	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	7.94E-04
3090	ALL	491201.7	3615790	NonCancer	8.66E-04	2.94E-06	5.45E-04	0.00E+00	0.00E+00	5.45E-04	2.94E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	8.66E-04
3091	ALL	491182.8	3615806	NonCancer	9.30E-04	3.16E-06	5.86E-04	0.00E+00	0.00E+00	5.86E-04	3.16E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	9.30E-04
3092	ALL	491163.9	3615822	NonCancer	9.78E-04	3.32E-06	6.16E-04	0.00E+00	0.00E+00	6.16E-04	3.32E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	9.78E-04
3093	ALL	491145.1	3615837	NonCancer	9.91E-04	3.37E-06	6.24E-04	0.00E+00	0.00E+00	6.24E-04	3.37E-06	0.00E+00	3.37E-06	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	9.91E-04
3094	ALL	491126.2	3615853	NonCancer	9.53E-04	3.24E-06	6.00E-04	0.00E+00	0.00E+00	6.00E-04	3.24E-06	0.00E+00	3.24E-06	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	9.53E-04
3095	ALL	491107.3	3615869	NonCancer	8.28E-04	2.81E-06	5.21E-04	0.00E+00	0.00E+00	5.21E-04	2.81E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	8.28E-04
3096	ALL	491088.4	3615885	NonCancer	6.93E-04	2.36E-06	4.36E-04	0.00E+00	0.00E+00	4.36E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	6.93E-04
3097	ALL	491069.5	3615901	NonCancer	6.27E-04	2.13E-06	3.95E-04	0.00E+00	0.00E+00	3.95E-04	2.13E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	6.27E-04
3098	ALL	491050.7	3615917	NonCancer	6.32E-04	2.15E-06	3.98E-04	0.00E+00	0.00E+00	3.98E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	6.32E-04
3099	ALL	491031.8	3615933	NonCancer	6.90E-04	2.35E-06	4.35E-04	0.00E+00	0.00E+00	4.35E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	6.90E-04
3100	ALL	491012.9	3615949	NonCancer	7.18E-04	2.44E-06	4.52E-04	0.00E+00	0.00E+00	4.52E-04	2.44E-06	0.00E+00	2.44E-06	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	7.18E-04
3101	ALL	490767.4	3616155	NonCancer	9.37E-04	3.19E-06	5.90E-04	0.00E+00	0.00E+00	5.90E-04	3.19E-06	0.00E+00	3.19E-06	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00	9.37E-04
3102	ALL	490748.5	3616171	NonCancer	8.96E-04	3.05E-06	5.64E-04	0.00E+00	0.00E+00	5.64E-04	3.05E-06	0.00E+00	3.05E-06	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	8.96E-04
3103	ALL	490729.6	3616187	NonCancer	9.24E-04	3.14E-06	5.82E-04	0.00E+00	0.00E+00	5.82E-04	3.14E-06	0.00E+00	3.14E-06	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	9.24E-04
3104	ALL	490710.8	3616203	NonCancer	9.14E-04	3.11E-06	5.75E-04	0.00E+00	0.00E+00	5.75E-04	3.11E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	9.14E-04
3105	ALL	490691.9	3616219	NonCancer	8.21E-04	2.79E-06	5.17E-04	0.00E+00	0.00E+00	5.17E-04	2.79E-06	0.00E+00	2.79E-06	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	8.21E-04
3106	ALL	490673	3616234	NonCancer	7.33E-04	2.49E-06	4.62E-04	0.00E+00	0.00E+00	4.62E-04	2.49E-06	0.00E+00	2.49E-06	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	7.33E-04
3107	ALL	490654.1	3616250	NonCancer	7.23E-04	2.46E-06	4.55E-04	0.00E+00	0.00E+00	4.55E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	7.23E-04
3108	ALL	490635.2	3616266	NonCancer	8.72E-04	2.96E-06	5.49E-04	0.00E+00	0.00E+00	5.49E-04	2.96E-06	0.00E+00	2.96E-06	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	8.72E-04
3109	ALL	490616.4	3616282	NonCancer	1.10E-03	3.73E-06	6.90E-04	0.00E+00	0.00E+00	6.90E-04	3.73E-06	0.00E+00	3.73E-06	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	1.10E-03
3110	ALL	490597.5	3616298	NonCancer	1.17E-03	3.99E-06	7.39E-04	0.00E+00	0.00E+00	7.39E-04	3.99E-06	0.00E+00	3.99E-06	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	1.17E-03
3111	ALL	490578.6	3616314	NonCancer	1.23E-03	4.19E-06	7.77E-04	0.00E+00	0.00E+00	7.77E-04	4.19E-06	0.00E+00	4.19E-06	0.00E+00	0.00E+00	7.77E-04	0.00E+00	0.00E+00	1.23E-03
3112	ALL	490559.7	3616330	NonCancer	1.24E-03	4.21E-06	7.80E-04	0.00E+00	0.00E+00	7.80E-04	4.21E-06	0.00E+00	4.21E-06	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	1.24E-03
3113	ALL	490540.8	3616346	NonCancer	1.18E-03	4.01E-06	7.43E-04	0.00E+00	0.00E+00	7.43E-04	4.01E-06	0.00E+00	4.01E-06	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	1.18E-03
3114	ALL	490521.9	3616362	NonCancer	1.15E-03	3.91E-06	7.23E-04	0.00E+00	0.00E+00	7.23E-04	3.91E-06	0.00E+00	3.91E-06	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	1.15E-03
3115	ALL	490503.1	3616377	NonCancer	1.01E-03	3.45E-06	6.38E-04	0.00E+00	0.00E+00	6.38E-04	3.45E-06	0.00E+00	3.45E-06	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	1.01E-03
3116	ALL	490484.2	3616393	NonCancer	8.70E-04	2.96E-06	5.48E-04	0.00E+00	0.00E+00	5.48E-04	2.96E-06	0.00E+00	2.96E-06	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	8.70E-04
3117	ALL	490446.4	3616425	NonCancer	8.35E-04	2.84E-06	5.26E-04	0.00E+00	0.00E+00	5.26E-04	2.84E-06	0.00E+00	2.84E-06	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	8.35E-04
3118	ALL	490370.9	3616489	NonCancer	8.95E-04	3.04E-06	5.63E-04	0.00E+00	0.00E+00	5.63E-04	3.04E-06	0.00E+00	3.04E-06	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	8.95E-04
3119	ALL	490352	3616504	NonCancer	8.43E-04	2.87E-06	5.31E-04	0.00E+00	0.00E+00	5.31E-04	2.87E-06	0.00E+00	2.87E-06	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	8.43E-04

3120	ALL	490333.1	3616520	NonCancer	7.91E-04	2.69E-06	4.98E-04	0.00E+00	0.00E+00	4.98E-04	2.69E-06	0.00E+00	2.69E-06	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	7.91E-04
3121	ALL	490314.2	3616536	NonCancer	8.11E-04	2.76E-06	5.11E-04	0.00E+00	0.00E+00	5.11E-04	2.76E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	8.11E-04
3122	ALL	490295.3	3616552	NonCancer	8.15E-04	2.77E-06	5.13E-04	0.00E+00	0.00E+00	5.13E-04	2.77E-06	0.00E+00	2.77E-06	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	8.15E-04
3123	ALL	490200.9	3616632	NonCancer	9.78E-04	3.32E-06	6.16E-04	0.00E+00	0.00E+00	6.16E-04	3.32E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	9.78E-04
3124	ALL	490182	3616647	NonCancer	1.07E-03	3.65E-06	6.76E-04	0.00E+00	0.00E+00	6.76E-04	3.65E-06	0.00E+00	3.65E-06	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	1.07E-03
3125	ALL	490163.2	3616663	NonCancer	1.13E-03	3.83E-06	7.09E-04	0.00E+00	0.00E+00	7.09E-04	3.83E-06	0.00E+00	3.83E-06	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	1.13E-03
3126	ALL	491768.8	3614047	NonCancer	4.89E-04	1.66E-06	3.08E-04	0.00E+00	0.00E+00	3.08E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	4.89E-04
3127	ALL	491766.8	3614022	NonCancer	5.15E-04	1.75E-06	3.24E-04	0.00E+00	0.00E+00	3.24E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	5.15E-04
3128	ALL	491764.7	3613998	NonCancer	5.46E-04	1.86E-06	3.44E-04	0.00E+00	0.00E+00	3.44E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	5.46E-04
3129	ALL	491762.6	3613973	NonCancer	5.59E-04	1.90E-06	3.52E-04	0.00E+00	0.00E+00	3.52E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	5.59E-04
3130	ALL	491760.5	3613948	NonCancer	5.51E-04	1.87E-06	3.47E-04	0.00E+00	0.00E+00	3.47E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	5.51E-04
3131	ALL	491758.4	3613923	NonCancer	5.27E-04	1.79E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.27E-04
3132	ALL	491756.3	3613899	NonCancer	5.83E-04	1.98E-06	3.67E-04	0.00E+00	0.00E+00	3.67E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	5.83E-04
3133	ALL	492161.7	3614038	NonCancer	3.05E-04	1.04E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.05E-04
3134	ALL	492155.9	3614062	NonCancer	3.42E-04	1.16E-06	2.15E-04	0.00E+00	0.00E+00	2.15E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.42E-04
3135	ALL	492150.2	3614086	NonCancer	4.36E-04	1.48E-06	2.74E-04	0.00E+00	0.00E+00	2.74E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	4.36E-04
3136	ALL	492144.5	3614110	NonCancer	5.52E-04	1.88E-06	3.47E-04	0.00E+00	0.00E+00	3.47E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	5.52E-04
3137	ALL	492138.7	3614134	NonCancer	4.62E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.62E-04
3138	ALL	492133	3614158	NonCancer	3.80E-04	1.29E-06	2.39E-04	0.00E+00	0.00E+00	2.39E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	3.80E-04
3139	ALL	492127.2	3614182	NonCancer	2.75E-04	9.34E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.34E-07	0.00E+00	9.34E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.75E-04
3140	ALL	492121.5	3614206	NonCancer	2.21E-04	7.51E-07	1.39E-04	0.00E+00	0.00E+00	1.39E-04	7.51E-07	0.00E+00	7.51E-07	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	2.21E-04
3141	ALL	492115.7	3614230	NonCancer	2.32E-04	7.90E-07	1.46E-04	0.00E+00	0.00E+00	1.46E-04	7.90E-07	0.00E+00	7.90E-07	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	2.32E-04
3142	ALL	492110	3614254	NonCancer	2.62E-04	8.92E-07	1.65E-04	0.00E+00	0.00E+00	1.65E-04	8.92E-07	0.00E+00	8.92E-07	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	2.62E-04
3143	ALL	492104.2	3614278	NonCancer	2.89E-04	9.83E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.83E-07	0.00E+00	9.83E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.89E-04
3144	ALL	492098.5	3614302	NonCancer	3.08E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.08E-04
3145	ALL	492092.8	3614326	NonCancer	3.48E-04	1.18E-06	2.19E-04	0.00E+00	0.00E+00	2.19E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	3.48E-04
3146	ALL	492087	3614350	NonCancer	4.69E-04	1.59E-06	2.95E-04	0.00E+00	0.00E+00	2.95E-04	1.59E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	4.69E-04
3147	ALL	492081.3	3614374	NonCancer	5.37E-04	1.83E-06	3.38E-04	0.00E+00	0.00E+00	3.38E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	5.37E-04
3148	ALL	492075.5	3614398	NonCancer	6.35E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.35E-04
3149	ALL	492069.8	3614422	NonCancer	7.39E-04	2.51E-06	4.65E-04	0.00E+00	0.00E+00	4.65E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	7.39E-04
3150	ALL	492064	3614446	NonCancer	8.33E-04	2.83E-06	5.24E-04	0.00E+00	0.00E+00	5.24E-04	2.83E-06	0.00E+00	2.83E-06	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	8.33E-04
3151	ALL	492058.3	3614470	NonCancer	8.78E-04	2.99E-06	5.53E-04	0.00E+00	0.00E+00	5.53E-04	2.99E-06	0.00E+00	2.99E-06	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	8.78E-04
3152	ALL	492052.6	3614494	NonCancer	8.94E-04	3.04E-06	5.63E-04	0.00E+00	0.00E+00	5.63E-04	3.04E-06	0.00E+00	3.04E-06	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	8.94E-04
3153	ALL	492046.8	3614518	NonCancer	8.79E-04	2.99E-06	5.54E-04	0.00E+00	0.00E+00	5.54E-04	2.99E-06	0.00E+00	2.99E-06	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	8.79E-04
3154	ALL	492041.1	3614543	NonCancer	8.44E-04	2.87E-06	5.31E-04	0.00E+00	0.00E+00	5.31E-04	2.87E-06	0.00E+00	2.87E-06	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	8.44E-04
3155	ALL	492035.3	3614567	NonCancer	7.81E-04	2.66E-06	4.92E-04	0.00E+00	0.00E+00	4.92E-04	2.66E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	7.81E-04
3156	ALL	492029.6	3614591	NonCancer	6.97E-04	2.37E-06	4.39E-04	0.00E+00	0.00E+00	4.39E-04	2.37E-06	0.00E+00	2.37E-06	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	6.97E-04
3157	ALL	492023.8	3614615	NonCancer	5.97E-04	2.03E-06	3.76E-04	0.00E+00	0.00E+00	3.76E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	5.97E-04
3158	ALL	492018.1	3614639	NonCancer	4.89E-04	1.66E-06	3.08E-04	0.00E+00	0.00E+00	3.08E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	4.89E-04
3159	ALL	492012.4	3614663	NonCancer	4.03E-04	1.37E-06	2.54E-04	0.00E+00	0.00E+00	2.54E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	4.03E-04
3160	ALL	491960.7	3614879	NonCancer	6.31E-04	2.15E-06	3.97E-04	0.00E+00	0.00E+00	3.97E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	6.31E-04
3161	ALL	491954.9	3614903	NonCancer	5.70E-04	1.94E-06	3.59E-04	0.00E+00	0.00E+00	3.59E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	5.70E-04
3162	ALL	491949.2	3614927	NonCancer	4.85E-04	1.65E-06	3.05E-04	0.00E+00	0.00E+00	3.05E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	4.85E-04
3163	ALL	491909	3615096	NonCancer	4.18E-04	1.42E-06	2.63E-04	0.00E+00	0.00E+00	2.63E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	4.18E-04
3164	ALL	491903.2	3615120	NonCancer	4.70E-04	1.60E-06	2.96E-04	0.00E+00	0.00E+00	2.96E-04	1.60E-06	0.00E+00	1.60E-06	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	4.70E-04
3165	ALL	491897.5	3615144	NonCancer	6.07E-04	2.06E-06	3.82E-04	0.00E+00	0.00E+00	3.82E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	6.07E-04
3166	ALL	491891.7	3615168	NonCancer	7.26E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.26E-04
3167	ALL	491886	3615192	NonCancer	7.80E-04	2.65E-06	4.91E-04	0.00E+00	0.00E+00	4.91E-04	2.65E-06	0.00E+00	2.65E-06	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	7.80E-04
3168	ALL	491880.3	3615216	NonCancer	7.69E-04	2.62E-06	4.84E-04	0.00E+00	0.00E+00	4.84E-04	2.62E-06	0.00E+00	2.62E-06	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	7.69E-04
3169	ALL	491874.5	3615240	NonCancer	8.05E-04	2.74E-06	5.07E-04	0.00E+00	0.00E+00	5.07E-04	2.74E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	8.05E-04
3170	ALL	491868.8	3615264	NonCancer	8.80E-04	2.99E-06	5.54E-04	0.00E+00	0.00E+00	5.54E-04	2.99E-06	0.00E+00	2.99E-06	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	8.80E-04
3171	ALL	491863	3615288	NonCancer	8.82E-04	3.00E-06	5.56E-04	0.00E+00	0.00E+00	5.56E-04	3.00E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	8.82E-04

3172	ALL	491857.3	3615312	NonCancer	8.35E-04	2.84E-06	5.26E-04	0.00E+00	0.00E+00	5.26E-04	2.84E-06	0.00E+00	2.84E-06	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	8.35E-04
3173	ALL	491851.5	3615336	NonCancer	8.13E-04	2.76E-06	5.12E-04	0.00E+00	0.00E+00	5.12E-04	2.76E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	8.13E-04
3174	ALL	491845.8	3615360	NonCancer	7.85E-04	2.67E-06	4.94E-04	0.00E+00	0.00E+00	4.94E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	7.85E-04
3175	ALL	491840.1	3615384	NonCancer	7.43E-04	2.52E-06	4.68E-04	0.00E+00	0.00E+00	4.68E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	7.43E-04
3176	ALL	491834.3	3615408	NonCancer	6.83E-04	2.32E-06	4.30E-04	0.00E+00	0.00E+00	4.30E-04	2.32E-06	0.00E+00	2.32E-06	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	6.83E-04
3177	ALL	491828.6	3615432	NonCancer	6.05E-04	2.06E-06	3.81E-04	0.00E+00	0.00E+00	3.81E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	6.05E-04
3178	ALL	491822.8	3615456	NonCancer	5.46E-04	1.86E-06	3.44E-04	0.00E+00	0.00E+00	3.44E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	5.46E-04
3179	ALL	491817.1	3615480	NonCancer	5.14E-04	1.75E-06	3.23E-04	0.00E+00	0.00E+00	3.23E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	5.14E-04
3180	ALL	491811.3	3615504	NonCancer	4.63E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.63E-04
3181	ALL	491805.6	3615528	NonCancer	5.24E-04	1.78E-06	3.30E-04	0.00E+00	0.00E+00	3.30E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	5.24E-04
3182	ALL	491799.8	3615552	NonCancer	5.96E-04	2.03E-06	3.75E-04	0.00E+00	0.00E+00	3.75E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	5.96E-04
3183	ALL	491776.9	3615649	NonCancer	7.82E-04	2.66E-06	4.92E-04	0.00E+00	0.00E+00	4.92E-04	2.66E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	7.82E-04
3184	ALL	491771.1	3615673	NonCancer	7.30E-04	2.48E-06	4.60E-04	0.00E+00	0.00E+00	4.60E-04	2.48E-06	0.00E+00	2.48E-06	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	7.30E-04
3185	ALL	491765.4	3615697	NonCancer	6.34E-04	2.16E-06	3.99E-04	0.00E+00	0.00E+00	3.99E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	6.34E-04
3186	ALL	491759.6	3615721	NonCancer	4.87E-04	1.66E-06	3.07E-04	0.00E+00	0.00E+00	3.07E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	4.87E-04
3187	ALL	491753.9	3615745	NonCancer	4.23E-04	1.44E-06	2.66E-04	0.00E+00	0.00E+00	2.66E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	4.23E-04
3188	ALL	491748.2	3615769	NonCancer	3.87E-04	1.32E-06	2.44E-04	0.00E+00	0.00E+00	2.44E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	3.87E-04
3189	ALL	491742.4	3615793	NonCancer	5.09E-04	1.73E-06	3.21E-04	0.00E+00	0.00E+00	3.21E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	5.09E-04
3190	ALL	491736.7	3615817	NonCancer	5.68E-04	1.93E-06	3.57E-04	0.00E+00	0.00E+00	3.57E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	5.68E-04
3191	ALL	491712	3615857	NonCancer	5.89E-04	2.00E-06	3.71E-04	0.00E+00	0.00E+00	3.71E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	5.89E-04
3192	ALL	491693.1	3615873	NonCancer	6.00E-04	2.04E-06	3.78E-04	0.00E+00	0.00E+00	3.78E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	6.00E-04
3193	ALL	491674.2	3615889	NonCancer	6.08E-04	2.07E-06	3.83E-04	0.00E+00	0.00E+00	3.83E-04	2.07E-06	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	6.08E-04
3194	ALL	491655.2	3615905	NonCancer	5.91E-04	2.01E-06	3.72E-04	0.00E+00	0.00E+00	3.72E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	5.91E-04
3195	ALL	491636.3	3615921	NonCancer	5.57E-04	1.90E-06	3.51E-04	0.00E+00	0.00E+00	3.51E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	5.57E-04
3196	ALL	491617.4	3615937	NonCancer	5.26E-04	1.79E-06	3.31E-04	0.00E+00	0.00E+00	3.31E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	5.26E-04
3197	ALL	491598.5	3615952	NonCancer	4.86E-04	1.65E-06	3.06E-04	0.00E+00	0.00E+00	3.06E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	4.86E-04
3198	ALL	491579.6	3615968	NonCancer	4.51E-04	1.53E-06	2.84E-04	0.00E+00	0.00E+00	2.84E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	4.51E-04
3199	ALL	491560.6	3615984	NonCancer	4.54E-04	1.54E-06	2.86E-04	0.00E+00	0.00E+00	2.86E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	4.54E-04
3200	ALL	491541.7	3616000	NonCancer	5.11E-04	1.74E-06	3.22E-04	0.00E+00	0.00E+00	3.22E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.11E-04
3201	ALL	491522.8	3616016	NonCancer	5.37E-04	1.83E-06	3.38E-04	0.00E+00	0.00E+00	3.38E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	5.37E-04
3202	ALL	491503.9	3616032	NonCancer	5.98E-04	2.03E-06	3.76E-04	0.00E+00	0.00E+00	3.76E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	5.98E-04
3203	ALL	491485	3616048	NonCancer	6.56E-04	2.23E-06	4.13E-04	0.00E+00	0.00E+00	4.13E-04	2.23E-06	0.00E+00	2.23E-06	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	6.56E-04
3204	ALL	491466	3616064	NonCancer	6.89E-04	2.34E-06	4.34E-04	0.00E+00	0.00E+00	4.34E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	6.89E-04
3205	ALL	491447.1	3616080	NonCancer	7.12E-04	2.42E-06	4.49E-04	0.00E+00	0.00E+00	4.49E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	7.12E-04
3206	ALL	491428.2	3616096	NonCancer	6.89E-04	2.34E-06	4.34E-04	0.00E+00	0.00E+00	4.34E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	6.89E-04
3207	ALL	491409.3	3616112	NonCancer	6.48E-04	2.20E-06	4.08E-04	0.00E+00	0.00E+00	4.08E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	6.48E-04
3208	ALL	491390.4	3616128	NonCancer	5.72E-04	1.94E-06	3.60E-04	0.00E+00	0.00E+00	3.60E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	5.72E-04
3209	ALL	491371.4	3616143	NonCancer	5.21E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.21E-04
3210	ALL	491352.5	3616159	NonCancer	5.43E-04	1.85E-06	3.42E-04	0.00E+00	0.00E+00	3.42E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	5.43E-04
3211	ALL	491333.6	3616175	NonCancer	6.34E-04	2.15E-06	3.99E-04	0.00E+00	0.00E+00	3.99E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	6.34E-04
3212	ALL	491314.7	3616191	NonCancer	6.34E-04	2.15E-06	3.99E-04	0.00E+00	0.00E+00	3.99E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	6.34E-04
3213	ALL	491295.7	3616207	NonCancer	6.43E-04	2.19E-06	4.05E-04	0.00E+00	0.00E+00	4.05E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	6.43E-04
3214	ALL	491030.9	3616430	NonCancer	9.55E-04	3.25E-06	6.02E-04	0.00E+00	0.00E+00	6.02E-04	3.25E-06	0.00E+00	3.25E-06	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	9.55E-04
3215	ALL	491011.9	3616446	NonCancer	8.91E-04	3.03E-06	5.61E-04	0.00E+00	0.00E+00	5.61E-04	3.03E-06	0.00E+00	3.03E-06	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	8.91E-04
3216	ALL	490993	3616462	NonCancer	8.10E-04	2.75E-06	5.10E-04	0.00E+00	0.00E+00	5.10E-04	2.75E-06	0.00E+00	2.75E-06	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	8.10E-04
3217	ALL	490974.1	3616478	NonCancer	8.20E-04	2.79E-06	5.16E-04	0.00E+00	0.00E+00	5.16E-04	2.79E-06	0.00E+00	2.79E-06	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	8.20E-04
3218	ALL	490955.2	3616494	NonCancer	8.04E-04	2.73E-06	5.06E-04	0.00E+00	0.00E+00	5.06E-04	2.73E-06	0.00E+00	2.73E-06	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	8.04E-04
3219	ALL	490936.2	3616509	NonCancer	7.57E-04	2.57E-06	4.77E-04	0.00E+00	0.00E+00	4.77E-04	2.57E-06	0.00E+00	2.57E-06	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	7.57E-04
3220	ALL	490917.3	3616525	NonCancer	6.77E-04	2.30E-06	4.26E-04	0.00E+00	0.00E+00	4.26E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	6.77E-04
3221	ALL	490898.4	3616541	NonCancer	6.25E-04	2.13E-06	3.94E-04	0.00E+00	0.00E+00	3.94E-04	2.13E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	6.25E-04
3222	ALL	490879.5	3616557	NonCancer	6.34E-04	2.16E-06	3.99E-04	0.00E+00	0.00E+00	3.99E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	6.34E-04
3223	ALL	490860.6	3616573	NonCancer	7.70E-04	2.62E-06	4.85E-04	0.00E+00	0.00E+00	4.85E-04	2.62E-06	0.00E+00	2.62E-06	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	7.70E-04

3224	ALL	490841.6	3616589	NonCancer	8.92E-04	3.03E-06	5.62E-04	0.00E+00	0.00E+00	5.62E-04	3.03E-06	0.00E+00	3.03E-06	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	8.92E-04
3225	ALL	490822.7	3616605	NonCancer	9.55E-04	3.25E-06	6.01E-04	0.00E+00	0.00E+00	6.01E-04	3.25E-06	0.00E+00	3.25E-06	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	9.55E-04
3226	ALL	490803.8	3616621	NonCancer	1.03E-03	3.52E-06	6.51E-04	0.00E+00	0.00E+00	6.51E-04	3.52E-06	0.00E+00	3.52E-06	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	1.03E-03
3227	ALL	490784.9	3616637	NonCancer	1.07E-03	3.65E-06	6.77E-04	0.00E+00	0.00E+00	6.77E-04	3.65E-06	0.00E+00	3.65E-06	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	1.07E-03
3228	ALL	490766	3616653	NonCancer	1.07E-03	3.64E-06	6.75E-04	0.00E+00	0.00E+00	6.75E-04	3.64E-06	0.00E+00	3.64E-06	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	1.07E-03
3229	ALL	490747	3616669	NonCancer	1.02E-03	3.46E-06	6.41E-04	0.00E+00	0.00E+00	6.41E-04	3.46E-06	0.00E+00	3.46E-06	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	1.02E-03
3230	ALL	490728.1	3616685	NonCancer	1.07E-03	3.65E-06	6.76E-04	0.00E+00	0.00E+00	6.76E-04	3.65E-06	0.00E+00	3.65E-06	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	1.07E-03
3231	ALL	490709.2	3616700	NonCancer	1.10E-03	3.74E-06	6.93E-04	0.00E+00	0.00E+00	6.93E-04	3.74E-06	0.00E+00	3.74E-06	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00	1.10E-03
3232	ALL	490690.3	3616716	NonCancer	1.04E-03	3.55E-06	6.57E-04	0.00E+00	0.00E+00	6.57E-04	3.55E-06	0.00E+00	3.55E-06	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	1.04E-03
3233	ALL	490671.4	3616732	NonCancer	9.57E-04	3.25E-06	6.03E-04	0.00E+00	0.00E+00	6.03E-04	3.25E-06	0.00E+00	3.25E-06	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	9.57E-04
3234	ALL	490595.7	3616796	NonCancer	9.90E-04	3.37E-06	6.23E-04	0.00E+00	0.00E+00	6.23E-04	3.37E-06	0.00E+00	3.37E-06	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	9.90E-04
3235	ALL	490576.8	3616812	NonCancer	9.67E-04	3.29E-06	6.09E-04	0.00E+00	0.00E+00	6.09E-04	3.29E-06	0.00E+00	3.29E-06	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	9.67E-04
3236	ALL	490557.8	3616828	NonCancer	8.89E-04	3.02E-06	5.60E-04	0.00E+00	0.00E+00	5.60E-04	3.02E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	8.89E-04
3237	ALL	490538.9	3616844	NonCancer	7.75E-04	2.64E-06	4.88E-04	0.00E+00	0.00E+00	4.88E-04	2.64E-06	0.00E+00	2.64E-06	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	7.75E-04
3238	ALL	490520	3616860	NonCancer	7.72E-04	2.63E-06	4.86E-04	0.00E+00	0.00E+00	4.86E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	7.72E-04
3239	ALL	490501.1	3616875	NonCancer	7.61E-04	2.59E-06	4.79E-04	0.00E+00	0.00E+00	4.79E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	7.61E-04
3240	ALL	490482.1	3616891	NonCancer	7.32E-04	2.49E-06	4.61E-04	0.00E+00	0.00E+00	4.61E-04	2.49E-06	0.00E+00	2.49E-06	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	7.32E-04
3241	ALL	490463.2	3616907	NonCancer	7.21E-04	2.45E-06	4.54E-04	0.00E+00	0.00E+00	4.54E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	7.21E-04
3242	ALL	490368.6	3616987	NonCancer	5.43E-04	1.85E-06	3.42E-04	0.00E+00	0.00E+00	3.42E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	5.43E-04
3243	ALL	490349.7	3617003	NonCancer	5.72E-04	1.95E-06	3.60E-04	0.00E+00	0.00E+00	3.60E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	5.72E-04
3244	ALL	490330.8	3617019	NonCancer	6.56E-04	2.23E-06	4.13E-04	0.00E+00	0.00E+00	4.13E-04	2.23E-06	0.00E+00	2.23E-06	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	6.56E-04
3245	ALL	490311.9	3617035	NonCancer	7.11E-04	2.42E-06	4.48E-04	0.00E+00	0.00E+00	4.48E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	7.11E-04
3246	ALL	492167.4	3614013	NonCancer	3.07E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.07E-04
3247	ALL	492165.3	3613989	NonCancer	3.44E-04	1.17E-06	2.16E-04	0.00E+00	0.00E+00	2.16E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	3.44E-04
3248	ALL	492163.3	3613964	NonCancer	3.79E-04	1.29E-06	2.39E-04	0.00E+00	0.00E+00	2.39E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	3.79E-04
3249	ALL	492161.2	3613939	NonCancer	4.13E-04	1.40E-06	2.60E-04	0.00E+00	0.00E+00	2.60E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	4.13E-04
3250	ALL	492159.1	3613915	NonCancer	4.50E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.50E-04
3251	ALL	492157	3613890	NonCancer	4.60E-04	1.56E-06	2.90E-04	0.00E+00	0.00E+00	2.90E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	4.60E-04
3252	ALL	492154.9	3613865	NonCancer	4.13E-04	1.40E-06	2.60E-04	0.00E+00	0.00E+00	2.60E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	4.13E-04
3253	ALL	492560.3	3614004	NonCancer	3.91E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.91E-04
3254	ALL	492554.5	3614028	NonCancer	4.25E-04	1.45E-06	2.68E-04	0.00E+00	0.00E+00	2.68E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	4.25E-04
3255	ALL	492548.8	3614052	NonCancer	4.53E-04	1.54E-06	2.85E-04	0.00E+00	0.00E+00	2.85E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	4.53E-04
3256	ALL	492543	3614076	NonCancer	4.65E-04	1.58E-06	2.92E-04	0.00E+00	0.00E+00	2.92E-04	1.58E-06	0.00E+00	1.58E-06	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	4.65E-04
3257	ALL	492537.3	3614100	NonCancer	4.77E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.77E-04
3258	ALL	492531.5	3614124	NonCancer	4.62E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.62E-04
3259	ALL	492525.7	3614148	NonCancer	4.62E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.62E-04
3260	ALL	492520	3614173	NonCancer	4.62E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.62E-04
3261	ALL	492514.2	3614197	NonCancer	4.81E-04	1.64E-06	3.03E-04	0.00E+00	0.00E+00	3.03E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	4.81E-04
3262	ALL	492508.5	3614221	NonCancer	4.88E-04	1.66E-06	3.07E-04	0.00E+00	0.00E+00	3.07E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	4.88E-04
3263	ALL	492502.7	3614245	NonCancer	4.92E-04	1.67E-06	3.10E-04	0.00E+00	0.00E+00	3.10E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	4.92E-04
3264	ALL	492497	3614269	NonCancer	4.89E-04	1.66E-06	3.08E-04	0.00E+00	0.00E+00	3.08E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	4.89E-04
3265	ALL	492491.2	3614293	NonCancer	4.66E-04	1.59E-06	2.94E-04	0.00E+00	0.00E+00	2.94E-04	1.59E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	4.66E-04
3266	ALL	492485.5	3614317	NonCancer	4.49E-04	1.53E-06	2.82E-04	0.00E+00	0.00E+00	2.82E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	4.49E-04
3267	ALL	492479.7	3614341	NonCancer	4.96E-04	1.69E-06	3.12E-04	0.00E+00	0.00E+00	3.12E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	4.96E-04
3268	ALL	492474	3614365	NonCancer	5.34E-04	1.82E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.34E-04
3269	ALL	492468.2	3614389	NonCancer	5.60E-04	1.90E-06	3.53E-04	0.00E+00	0.00E+00	3.53E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	5.60E-04
3270	ALL	492462.5	3614413	NonCancer	5.72E-04	1.94E-06	3.60E-04	0.00E+00	0.00E+00	3.60E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	5.72E-04
3271	ALL	492456.7	3614437	NonCancer	5.70E-04	1.94E-06	3.59E-04	0.00E+00	0.00E+00	3.59E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	5.70E-04
3272	ALL	492451	3614462	NonCancer	5.68E-04	1.93E-06	3.57E-04	0.00E+00	0.00E+00	3.57E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	5.68E-04
3273	ALL	492445.2	3614486	NonCancer	6.18E-04	2.10E-06	3.89E-04	0.00E+00	0.00E+00	3.89E-04	2.10E-06	0.00E+00	2.10E-06	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	6.18E-04
3274	ALL	492439.5	3614510	NonCancer	6.46E-04	2.20E-06	4.07E-04	0.00E+00	0.00E+00	4.07E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	6.46E-04
3275	ALL	492433.7	3614534	NonCancer	6.71E-04	2.28E-06	4.22E-04	0.00E+00	0.00E+00	4.22E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	6.71E-04

3276	ALL	492428	3614558	NonCancer	6.65E-04	2.26E-06	4.19E-04	0.00E+00	0.00E+00	4.19E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	6.65E-04
3277	ALL	492422.2	3614582	NonCancer	6.08E-04	2.07E-06	3.83E-04	0.00E+00	0.00E+00	3.83E-04	2.07E-06	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	6.08E-04
3278	ALL	492416.5	3614606	NonCancer	5.34E-04	1.82E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.34E-04
3279	ALL	492410.7	3614630	NonCancer	4.90E-04	1.66E-06	3.08E-04	0.00E+00	0.00E+00	3.08E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	4.90E-04
3280	ALL	492404.9	3614654	NonCancer	4.45E-04	1.51E-06	2.80E-04	0.00E+00	0.00E+00	2.80E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	4.45E-04
3281	ALL	492399.2	3614678	NonCancer	3.18E-04	1.08E-06	2.00E-04	0.00E+00	0.00E+00	2.00E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	3.18E-04
3282	ALL	492393.4	3614702	NonCancer	3.14E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.14E-04
3283	ALL	492330.2	3614967	NonCancer	3.68E-04	1.25E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.68E-04
3284	ALL	492324.4	3614991	NonCancer	3.39E-04	1.15E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.39E-04
3285	ALL	492318.7	3615016	NonCancer	3.26E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.26E-04
3286	ALL	492307.2	3615064	NonCancer	3.04E-04	1.03E-06	1.91E-04	0.00E+00	0.00E+00	1.91E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	3.04E-04
3287	ALL	492278.4	3615184	NonCancer	2.96E-04	1.01E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.96E-04
3288	ALL	492272.6	3615208	NonCancer	3.34E-04	1.14E-06	2.10E-04	0.00E+00	0.00E+00	2.10E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	3.34E-04
3289	ALL	492266.9	3615232	NonCancer	3.73E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.73E-04
3290	ALL	492261.1	3615256	NonCancer	4.27E-04	1.45E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.27E-04
3291	ALL	492255.4	3615280	NonCancer	5.06E-04	1.72E-06	3.19E-04	0.00E+00	0.00E+00	3.19E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.06E-04
3292	ALL	492249.6	3615305	NonCancer	5.59E-04	1.90E-06	3.52E-04	0.00E+00	0.00E+00	3.52E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	5.59E-04
3293	ALL	492243.9	3615329	NonCancer	6.28E-04	2.14E-06	3.96E-04	0.00E+00	0.00E+00	3.96E-04	2.14E-06	0.00E+00	2.14E-06	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	6.28E-04
3294	ALL	492238.1	3615353	NonCancer	6.48E-04	2.20E-06	4.08E-04	0.00E+00	0.00E+00	4.08E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	6.48E-04
3295	ALL	492232.4	3615377	NonCancer	7.04E-04	2.39E-06	4.43E-04	0.00E+00	0.00E+00	4.43E-04	2.39E-06	0.00E+00	2.39E-06	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	7.04E-04
3296	ALL	492226.6	3615401	NonCancer	7.23E-04	2.46E-06	4.55E-04	0.00E+00	0.00E+00	4.55E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	7.23E-04
3297	ALL	492220.9	3615425	NonCancer	6.86E-04	2.33E-06	4.32E-04	0.00E+00	0.00E+00	4.32E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	6.86E-04
3298	ALL	492215.1	3615449	NonCancer	6.63E-04	2.25E-06	4.18E-04	0.00E+00	0.00E+00	4.18E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	6.63E-04
3299	ALL	492209.4	3615473	NonCancer	6.85E-04	2.33E-06	4.31E-04	0.00E+00	0.00E+00	4.31E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	6.85E-04
3300	ALL	492203.6	3615497	NonCancer	6.64E-04	2.26E-06	4.18E-04	0.00E+00	0.00E+00	4.18E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	6.64E-04
3301	ALL	492197.9	3615521	NonCancer	6.35E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.35E-04
3302	ALL	492192.1	3615545	NonCancer	5.89E-04	2.00E-06	3.71E-04	0.00E+00	0.00E+00	3.71E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	5.89E-04
3303	ALL	492186.4	3615569	NonCancer	5.21E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.21E-04
3304	ALL	492180.6	3615594	NonCancer	4.76E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.76E-04
3305	ALL	492174.9	3615618	NonCancer	4.47E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.47E-04
3306	ALL	492169.1	3615642	NonCancer	3.82E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.82E-04
3307	ALL	492163.4	3615666	NonCancer	3.24E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.24E-04
3308	ALL	492157.6	3615690	NonCancer	2.93E-04	9.97E-07	1.85E-04	0.00E+00	0.00E+00	1.85E-04	9.97E-07	0.00E+00	9.97E-07	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.93E-04
3309	ALL	492151.8	3615714	NonCancer	2.73E-04	9.27E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.27E-07	0.00E+00	9.27E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.73E-04
3310	ALL	492146.1	3615738	NonCancer	2.53E-04	8.62E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.62E-07	0.00E+00	8.62E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.53E-04
3311	ALL	492123.1	3615834	NonCancer	3.27E-04	1.11E-06	2.06E-04	0.00E+00	0.00E+00	2.06E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	3.27E-04
3312	ALL	492117.3	3615858	NonCancer	3.33E-04	1.13E-06	2.10E-04	0.00E+00	0.00E+00	2.10E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	3.33E-04
3313	ALL	492111.6	3615883	NonCancer	4.46E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.46E-04
3314	ALL	492105.8	3615907	NonCancer	5.08E-04	1.73E-06	3.20E-04	0.00E+00	0.00E+00	3.20E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	5.08E-04
3315	ALL	492100.1	3615931	NonCancer	5.46E-04	1.86E-06	3.44E-04	0.00E+00	0.00E+00	3.44E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	5.46E-04
3316	ALL	492094.3	3615955	NonCancer	5.66E-04	1.93E-06	3.57E-04	0.00E+00	0.00E+00	3.57E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	5.66E-04
3317	ALL	492088.6	3615979	NonCancer	5.51E-04	1.87E-06	3.47E-04	0.00E+00	0.00E+00	3.47E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	5.51E-04
3318	ALL	492082.8	3616003	NonCancer	5.22E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.22E-04
3319	ALL	492077.1	3616027	NonCancer	4.86E-04	1.65E-06	3.06E-04	0.00E+00	0.00E+00	3.06E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	4.86E-04
3320	ALL	492052.4	3616067	NonCancer	4.95E-04	1.68E-06	3.12E-04	0.00E+00	0.00E+00	3.12E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	4.95E-04
3321	ALL	492033.4	3616083	NonCancer	5.11E-04	1.74E-06	3.22E-04	0.00E+00	0.00E+00	3.22E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.11E-04
3322	ALL	492014.5	3616099	NonCancer	5.05E-04	1.72E-06	3.18E-04	0.00E+00	0.00E+00	3.18E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	5.05E-04
3323	ALL	491995.5	3616115	NonCancer	5.03E-04	1.71E-06	3.17E-04	0.00E+00	0.00E+00	3.17E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	5.03E-04
3324	ALL	491976.6	3616131	NonCancer	4.78E-04	1.63E-06	3.01E-04	0.00E+00	0.00E+00	3.01E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	4.78E-04
3325	ALL	491957.6	3616147	NonCancer	4.45E-04	1.51E-06	2.80E-04	0.00E+00	0.00E+00	2.80E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	4.45E-04
3326	ALL	491938.7	3616163	NonCancer	4.09E-04	1.39E-06	2.57E-04	0.00E+00	0.00E+00	2.57E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	4.09E-04
3327	ALL	491919.7	3616179	NonCancer	3.72E-04	1.26E-06	2.34E-04	0.00E+00	0.00E+00	2.34E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	3.72E-04

3328	ALL	491900.8	3616195	NonCancer	3.42E-04	1.16E-06	2.15E-04	0.00E+00	0.00E+00	2.15E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.42E-04
3329	ALL	491881.8	3616211	NonCancer	3.12E-04	1.06E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.12E-04
3330	ALL	491862.9	3616226	NonCancer	2.53E-04	8.60E-07	1.59E-04	0.00E+00	0.00E+00	1.59E-04	8.60E-07	0.00E+00	8.60E-07	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	2.53E-04
3331	ALL	491843.9	3616242	NonCancer	2.59E-04	8.82E-07	1.63E-04	0.00E+00	0.00E+00	1.63E-04	8.82E-07	0.00E+00	8.82E-07	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	2.59E-04
3332	ALL	491825	3616258	NonCancer	2.70E-04	9.17E-07	1.70E-04	0.00E+00	0.00E+00	1.70E-04	9.17E-07	0.00E+00	9.17E-07	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	2.70E-04
3333	ALL	491806	3616274	NonCancer	3.09E-04	1.05E-06	1.95E-04	0.00E+00	0.00E+00	1.95E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	3.09E-04
3334	ALL	491787.1	3616290	NonCancer	3.22E-04	1.09E-06	2.03E-04	0.00E+00	0.00E+00	2.03E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	3.22E-04
3335	ALL	491768.1	3616306	NonCancer	3.78E-04	1.29E-06	2.38E-04	0.00E+00	0.00E+00	2.38E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	3.78E-04
3336	ALL	491749.2	3616322	NonCancer	4.28E-04	1.46E-06	2.70E-04	0.00E+00	0.00E+00	2.70E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	4.28E-04
3337	ALL	491730.2	3616338	NonCancer	4.58E-04	1.56E-06	2.89E-04	0.00E+00	0.00E+00	2.89E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	4.58E-04
3338	ALL	491711.3	3616354	NonCancer	4.49E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.49E-04
3339	ALL	491692.3	3616370	NonCancer	4.39E-04	1.49E-06	2.76E-04	0.00E+00	0.00E+00	2.76E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	4.39E-04
3340	ALL	491673.4	3616386	NonCancer	3.79E-04	1.29E-06	2.38E-04	0.00E+00	0.00E+00	2.38E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	3.79E-04
3341	ALL	491654.4	3616402	NonCancer	4.44E-04	1.51E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.44E-04
3342	ALL	491635.5	3616418	NonCancer	4.57E-04	1.55E-06	2.88E-04	0.00E+00	0.00E+00	2.88E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	4.57E-04
3343	ALL	491616.5	3616434	NonCancer	5.04E-04	1.71E-06	3.17E-04	0.00E+00	0.00E+00	3.17E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	5.04E-04
3344	ALL	491597.6	3616450	NonCancer	5.86E-04	1.99E-06	3.69E-04	0.00E+00	0.00E+00	3.69E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	5.86E-04
3345	ALL	491578.6	3616466	NonCancer	6.44E-04	2.19E-06	4.05E-04	0.00E+00	0.00E+00	4.05E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	6.44E-04
3346	ALL	491275.4	3616721	NonCancer	3.45E-04	1.17E-06	2.18E-04	0.00E+00	0.00E+00	2.18E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	3.45E-04
3347	ALL	491256.5	3616737	NonCancer	3.61E-04	1.23E-06	2.28E-04	0.00E+00	0.00E+00	2.28E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	3.61E-04
3348	ALL	491237.5	3616752	NonCancer	3.44E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.44E-04
3349	ALL	491218.6	3616768	NonCancer	3.31E-04	1.13E-06	2.09E-04	0.00E+00	0.00E+00	2.09E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.31E-04
3350	ALL	491199.6	3616784	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
3351	ALL	491180.7	3616800	NonCancer	3.20E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.20E-04
3352	ALL	491161.7	3616816	NonCancer	3.52E-04	1.20E-06	2.21E-04	0.00E+00	0.00E+00	2.21E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	3.52E-04
3353	ALL	491142.8	3616832	NonCancer	4.45E-04	1.51E-06	2.80E-04	0.00E+00	0.00E+00	2.80E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	4.45E-04
3354	ALL	491123.8	3616848	NonCancer	5.11E-04	1.74E-06	3.22E-04	0.00E+00	0.00E+00	3.22E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.11E-04
3355	ALL	491104.9	3616864	NonCancer	5.25E-04	1.79E-06	3.31E-04	0.00E+00	0.00E+00	3.31E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	5.25E-04
3356	ALL	491085.9	3616880	NonCancer	5.50E-04	1.87E-06	3.46E-04	0.00E+00	0.00E+00	3.46E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	5.50E-04
3357	ALL	491067	3616896	NonCancer	6.25E-04	2.13E-06	3.94E-04	0.00E+00	0.00E+00	3.94E-04	2.13E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	6.25E-04
3358	ALL	491048	3616912	NonCancer	6.16E-04	2.10E-06	3.88E-04	0.00E+00	0.00E+00	3.88E-04	2.10E-06	0.00E+00	2.10E-06	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	6.16E-04
3359	ALL	491029.1	3616928	NonCancer	4.51E-04	1.53E-06	2.84E-04	0.00E+00	0.00E+00	2.84E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	4.51E-04
3360	ALL	491010.1	3616944	NonCancer	2.91E-04	9.88E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.88E-07	0.00E+00	9.88E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.91E-04
3361	ALL	490991.2	3616960	NonCancer	3.88E-04	1.32E-06	2.44E-04	0.00E+00	0.00E+00	2.44E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	3.88E-04
3362	ALL	490972.2	3616976	NonCancer	4.59E-04	1.56E-06	2.89E-04	0.00E+00	0.00E+00	2.89E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	4.59E-04
3363	ALL	490953.3	3616992	NonCancer	4.29E-04	1.46E-06	2.70E-04	0.00E+00	0.00E+00	2.70E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	4.29E-04
3364	ALL	490934.3	3617007	NonCancer	4.29E-04	1.46E-06	2.70E-04	0.00E+00	0.00E+00	2.70E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	4.29E-04
3365	ALL	490915.3	3617023	NonCancer	6.18E-04	2.10E-06	3.89E-04	0.00E+00	0.00E+00	3.89E-04	2.10E-06	0.00E+00	2.10E-06	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	6.18E-04
3366	ALL	490896.4	3617039	NonCancer	9.02E-04	3.07E-06	5.68E-04	0.00E+00	0.00E+00	5.68E-04	3.07E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	9.02E-04
3367	ALL	490877.4	3617055	NonCancer	9.18E-04	3.12E-06	5.78E-04	0.00E+00	0.00E+00	5.78E-04	3.12E-06	0.00E+00	3.12E-06	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	9.18E-04
3368	ALL	490782.7	3617135	NonCancer	8.39E-04	2.85E-06	5.28E-04	0.00E+00	0.00E+00	5.28E-04	2.85E-06	0.00E+00	2.85E-06	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	8.39E-04
3369	ALL	490763.7	3617151	NonCancer	8.57E-04	2.91E-06	5.39E-04	0.00E+00	0.00E+00	5.39E-04	2.91E-06	0.00E+00	2.91E-06	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	8.57E-04
3370	ALL	490744.8	3617167	NonCancer	8.13E-04	2.77E-06	5.12E-04	0.00E+00	0.00E+00	5.12E-04	2.77E-06	0.00E+00	2.77E-06	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	8.13E-04
3371	ALL	490725.8	3617183	NonCancer	7.26E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.26E-04
3372	ALL	490706.9	3617199	NonCancer	7.35E-04	2.50E-06	4.63E-04	0.00E+00	0.00E+00	4.63E-04	2.50E-06	0.00E+00	2.50E-06	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	7.35E-04
3373	ALL	490687.9	3617215	NonCancer	7.51E-04	2.55E-06	4.73E-04	0.00E+00	0.00E+00	4.73E-04	2.55E-06	0.00E+00	2.55E-06	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	7.51E-04
3374	ALL	490669	3617231	NonCancer	7.34E-04	2.49E-06	4.62E-04	0.00E+00	0.00E+00	4.62E-04	2.49E-06	0.00E+00	2.49E-06	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	7.34E-04
3375	ALL	490650	3617247	NonCancer	7.30E-04	2.48E-06	4.59E-04	0.00E+00	0.00E+00	4.59E-04	2.48E-06	0.00E+00	2.48E-06	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	7.30E-04
3376	ALL	490631.1	3617263	NonCancer	6.66E-04	2.26E-06	4.19E-04	0.00E+00	0.00E+00	4.19E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	6.66E-04
3377	ALL	490536.3	3617342	NonCancer	5.12E-04	1.74E-06	3.23E-04	0.00E+00	0.00E+00	3.23E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	5.12E-04
3378	ALL	490517.4	3617358	NonCancer	5.34E-04	1.81E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.34E-04
3379	ALL	490498.4	3617374	NonCancer	5.97E-04	2.03E-06	3.76E-04	0.00E+00	0.00E+00	3.76E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	5.97E-04

3380	ALL	490479.5	3617390	NonCancer	6.73E-04	2.29E-06	4.24E-04	0.00E+00	0.00E+00	4.24E-04	2.29E-06	0.00E+00	2.29E-06	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	6.73E-04
3381	ALL	490460.5	3617406	NonCancer	7.34E-04	2.50E-06	4.62E-04	0.00E+00	0.00E+00	4.62E-04	2.50E-06	0.00E+00	2.50E-06	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	7.34E-04
3382	ALL	492566	3613980	NonCancer	3.75E-04	1.27E-06	2.36E-04	0.00E+00	0.00E+00	2.36E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	3.75E-04
3383	ALL	492563.9	3613955	NonCancer	3.66E-04	1.24E-06	2.30E-04	0.00E+00	0.00E+00	2.30E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	3.66E-04
3384	ALL	492561.8	3613930	NonCancer	2.90E-04	9.85E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.85E-07	0.00E+00	9.85E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.90E-04
3385	ALL	492559.8	3613906	NonCancer	1.61E-04	5.46E-07	1.01E-04	0.00E+00	0.00E+00	1.01E-04	5.46E-07	0.00E+00	5.46E-07	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	1.61E-04
3386	ALL	492557.7	3613881	NonCancer	1.40E-04	4.77E-07	8.84E-05	0.00E+00	0.00E+00	8.84E-05	4.77E-07	0.00E+00	4.77E-07	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	1.40E-04
3387	ALL	492555.6	3613856	NonCancer	2.12E-04	7.21E-07	1.33E-04	0.00E+00	0.00E+00	1.33E-04	7.21E-07	0.00E+00	7.21E-07	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.12E-04
3388	ALL	492553.5	3613832	NonCancer	2.50E-04	8.51E-07	1.58E-04	0.00E+00	0.00E+00	1.58E-04	8.51E-07	0.00E+00	8.51E-07	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	2.50E-04
3389	ALL	492958.8	3613970	NonCancer	1.78E-04	6.06E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.06E-07	0.00E+00	6.06E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.78E-04
3390	ALL	492953.1	3613995	NonCancer	1.87E-04	6.35E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.35E-07	0.00E+00	6.35E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.87E-04
3391	ALL	492947.3	3614019	NonCancer	2.11E-04	7.16E-07	1.33E-04	0.00E+00	0.00E+00	1.33E-04	7.16E-07	0.00E+00	7.16E-07	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.11E-04
3392	ALL	492941.6	3614043	NonCancer	2.43E-04	8.28E-07	1.53E-04	0.00E+00	0.00E+00	1.53E-04	8.28E-07	0.00E+00	8.28E-07	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	2.43E-04
3393	ALL	492935.8	3614067	NonCancer	2.57E-04	8.74E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.74E-07	0.00E+00	8.74E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.57E-04
3394	ALL	492930	3614091	NonCancer	2.83E-04	9.64E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.64E-07	0.00E+00	9.64E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.83E-04
3395	ALL	492924.3	3614115	NonCancer	3.45E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.45E-04
3396	ALL	492918.5	3614139	NonCancer	4.35E-04	1.48E-06	2.74E-04	0.00E+00	0.00E+00	2.74E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	4.35E-04
3397	ALL	492912.8	3614163	NonCancer	4.09E-04	1.39E-06	2.57E-04	0.00E+00	0.00E+00	2.57E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	4.09E-04
3398	ALL	492907	3614187	NonCancer	3.68E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.68E-04
3399	ALL	492901.2	3614212	NonCancer	3.11E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.11E-04
3400	ALL	492895.5	3614236	NonCancer	2.75E-04	9.34E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.34E-07	0.00E+00	9.34E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.75E-04
3401	ALL	492889.7	3614260	NonCancer	2.71E-04	9.23E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.23E-07	0.00E+00	9.23E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.71E-04
3402	ALL	492884	3614284	NonCancer	2.57E-04	8.73E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.73E-07	0.00E+00	8.73E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.57E-04
3403	ALL	492878.2	3614308	NonCancer	2.37E-04	8.04E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.04E-07	0.00E+00	8.04E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.37E-04
3404	ALL	492872.5	3614332	NonCancer	2.64E-04	8.96E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.96E-07	0.00E+00	8.96E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.64E-04
3405	ALL	492866.7	3614356	NonCancer	3.13E-04	1.07E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.13E-04
3406	ALL	492860.9	3614380	NonCancer	3.36E-04	1.14E-06	2.11E-04	0.00E+00	0.00E+00	2.11E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	3.36E-04
3407	ALL	492855.2	3614404	NonCancer	3.87E-04	1.31E-06	2.43E-04	0.00E+00	0.00E+00	2.43E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	3.87E-04
3408	ALL	492849.4	3614429	NonCancer	4.19E-04	1.42E-06	2.64E-04	0.00E+00	0.00E+00	2.64E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.19E-04
3409	ALL	492843.7	3614453	NonCancer	4.32E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.32E-04
3410	ALL	492837.9	3614477	NonCancer	4.59E-04	1.56E-06	2.89E-04	0.00E+00	0.00E+00	2.89E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	4.59E-04
3411	ALL	492832.1	3614501	NonCancer	4.42E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.42E-04
3412	ALL	492826.4	3614525	NonCancer	4.43E-04	1.51E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.43E-04
3413	ALL	492820.6	3614549	NonCancer	4.09E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.09E-04
3414	ALL	492814.9	3614573	NonCancer	4.09E-04	1.39E-06	2.57E-04	0.00E+00	0.00E+00	2.57E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	4.09E-04
3415	ALL	492809.1	3614597	NonCancer	5.00E-04	1.70E-06	3.15E-04	0.00E+00	0.00E+00	3.15E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	5.00E-04
3416	ALL	492803.3	3614621	NonCancer	4.62E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.62E-04
3417	ALL	492797.6	3614646	NonCancer	4.24E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.24E-04
3418	ALL	492791.8	3614670	NonCancer	3.77E-04	1.28E-06	2.37E-04	0.00E+00	0.00E+00	2.37E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	3.77E-04
3419	ALL	492786.1	3614694	NonCancer	3.23E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.23E-04
3420	ALL	492780.3	3614718	NonCancer	2.71E-04	9.20E-07	1.70E-04	0.00E+00	0.00E+00	1.70E-04	9.20E-07	0.00E+00	9.20E-07	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	2.71E-04
3421	ALL	492774.5	3614742	NonCancer	2.74E-04	9.31E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.31E-07	0.00E+00	9.31E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.74E-04
3422	ALL	492768.8	3614766	NonCancer	2.70E-04	9.16E-07	1.70E-04	0.00E+00	0.00E+00	1.70E-04	9.16E-07	0.00E+00	9.16E-07	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	2.70E-04
3423	ALL	492705.4	3615031	NonCancer	3.22E-04	1.10E-06	2.03E-04	0.00E+00	0.00E+00	2.03E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	3.22E-04
3424	ALL	492699.7	3615056	NonCancer	3.17E-04	1.08E-06	2.00E-04	0.00E+00	0.00E+00	2.00E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	3.17E-04
3425	ALL	492693.9	3615080	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
3426	ALL	492688.2	3615104	NonCancer	2.74E-04	9.30E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.30E-07	0.00E+00	9.30E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.74E-04
3427	ALL	492682.4	3615128	NonCancer	2.60E-04	8.83E-07	1.63E-04	0.00E+00	0.00E+00	1.63E-04	8.83E-07	0.00E+00	8.83E-07	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	2.60E-04
3428	ALL	492642.1	3615297	NonCancer	2.93E-04	9.95E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.95E-07	0.00E+00	9.95E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.93E-04
3429	ALL	492636.3	3615321	NonCancer	3.35E-04	1.14E-06	2.11E-04	0.00E+00	0.00E+00	2.11E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	3.35E-04
3430	ALL	492630.6	3615345	NonCancer	3.80E-04	1.29E-06	2.39E-04	0.00E+00	0.00E+00	2.39E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	3.80E-04
3431	ALL	492624.8	3615369	NonCancer	4.51E-04	1.53E-06	2.84E-04	0.00E+00	0.00E+00	2.84E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	4.51E-04

3432	ALL	492619	3615393	NonCancer	4.77E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.77E-04
3433	ALL	492613.3	3615417	NonCancer	4.92E-04	1.67E-06	3.10E-04	0.00E+00	0.00E+00	3.10E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	4.92E-04
3434	ALL	492607.5	3615441	NonCancer	4.78E-04	1.63E-06	3.01E-04	0.00E+00	0.00E+00	3.01E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	4.78E-04
3435	ALL	492601.8	3615465	NonCancer	4.41E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.41E-04
3436	ALL	492596	3615490	NonCancer	3.63E-04	1.24E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.63E-04
3437	ALL	492590.2	3615514	NonCancer	3.44E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.44E-04
3438	ALL	492584.5	3615538	NonCancer	3.20E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.20E-04
3439	ALL	492578.7	3615562	NonCancer	2.86E-04	9.71E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.71E-07	0.00E+00	9.71E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.86E-04
3440	ALL	492573	3615586	NonCancer	2.49E-04	8.48E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.48E-07	0.00E+00	8.48E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.49E-04
3441	ALL	492567.2	3615610	NonCancer	2.57E-04	8.73E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.73E-07	0.00E+00	8.73E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.57E-04
3442	ALL	492561.4	3615634	NonCancer	2.74E-04	9.31E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.31E-07	0.00E+00	9.31E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.74E-04
3443	ALL	492555.7	3615658	NonCancer	2.91E-04	9.88E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.88E-07	0.00E+00	9.88E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.91E-04
3444	ALL	492549.9	3615682	NonCancer	2.99E-04	1.02E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.99E-04
3445	ALL	492544.2	3615707	NonCancer	3.13E-04	1.06E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.13E-04
3446	ALL	492538.4	3615731	NonCancer	3.54E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.54E-04
3447	ALL	492532.6	3615755	NonCancer	3.40E-04	1.16E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.40E-04
3448	ALL	492526.9	3615779	NonCancer	3.41E-04	1.16E-06	2.15E-04	0.00E+00	0.00E+00	2.15E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.41E-04
3449	ALL	492521.1	3615803	NonCancer	3.25E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.25E-04
3450	ALL	492515.4	3615827	NonCancer	3.02E-04	1.03E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.02E-04
3451	ALL	492509.6	3615851	NonCancer	3.13E-04	1.06E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.13E-04
3452	ALL	492503.9	3615875	NonCancer	3.37E-04	1.15E-06	2.12E-04	0.00E+00	0.00E+00	2.12E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	3.37E-04
3453	ALL	492498.1	3615900	NonCancer	3.79E-04	1.29E-06	2.39E-04	0.00E+00	0.00E+00	2.39E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	3.79E-04
3454	ALL	492475.1	3615996	NonCancer	5.10E-04	1.73E-06	3.21E-04	0.00E+00	0.00E+00	3.21E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	5.10E-04
3455	ALL	492469.3	3616020	NonCancer	5.13E-04	1.74E-06	3.23E-04	0.00E+00	0.00E+00	3.23E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	5.13E-04
3456	ALL	492463.5	3616044	NonCancer	5.03E-04	1.71E-06	3.17E-04	0.00E+00	0.00E+00	3.17E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	5.03E-04
3457	ALL	492457.8	3616068	NonCancer	4.84E-04	1.65E-06	3.05E-04	0.00E+00	0.00E+00	3.05E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	4.84E-04
3458	ALL	492452	3616092	NonCancer	4.42E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.42E-04
3459	ALL	492446.3	3616117	NonCancer	3.84E-04	1.31E-06	2.42E-04	0.00E+00	0.00E+00	2.42E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	3.84E-04
3460	ALL	492440.5	3616141	NonCancer	3.25E-04	1.10E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.25E-04
3461	ALL	492434.7	3616165	NonCancer	2.92E-04	9.91E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.91E-07	0.00E+00	9.91E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.92E-04
3462	ALL	492429	3616189	NonCancer	2.31E-04	7.86E-07	1.46E-04	0.00E+00	0.00E+00	1.46E-04	7.86E-07	0.00E+00	7.86E-07	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	2.31E-04
3463	ALL	492423.2	3616213	NonCancer	2.09E-04	7.12E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.12E-07	0.00E+00	7.12E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.09E-04
3464	ALL	492417.5	3616237	NonCancer	1.90E-04	6.47E-07	1.20E-04	0.00E+00	0.00E+00	1.20E-04	6.47E-07	0.00E+00	6.47E-07	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	1.90E-04
3465	ALL	492392.7	3616277	NonCancer	2.83E-04	9.62E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.62E-07	0.00E+00	9.62E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.83E-04
3466	ALL	492373.8	3616293	NonCancer	3.73E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.73E-04
3467	ALL	492354.8	3616309	NonCancer	3.42E-04	1.16E-06	2.16E-04	0.00E+00	0.00E+00	2.16E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	3.42E-04
3468	ALL	492335.8	3616325	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
3469	ALL	492316.8	3616341	NonCancer	2.81E-04	9.57E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.57E-07	0.00E+00	9.57E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.81E-04
3470	ALL	492297.9	3616357	NonCancer	2.55E-04	8.65E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.65E-07	0.00E+00	8.65E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.55E-04
3471	ALL	492278.9	3616373	NonCancer	2.47E-04	8.40E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.40E-07	0.00E+00	8.40E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.47E-04
3472	ALL	492259.9	3616389	NonCancer	2.48E-04	8.43E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.43E-07	0.00E+00	8.43E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
3473	ALL	492240.9	3616405	NonCancer	2.28E-04	7.76E-07	1.44E-04	0.00E+00	0.00E+00	1.44E-04	7.76E-07	0.00E+00	7.76E-07	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	2.28E-04
3474	ALL	492222	3616421	NonCancer	2.11E-04	7.17E-07	1.33E-04	0.00E+00	0.00E+00	1.33E-04	7.17E-07	0.00E+00	7.17E-07	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.11E-04
3475	ALL	492203	3616437	NonCancer	2.06E-04	7.02E-07	1.30E-04	0.00E+00	0.00E+00	1.30E-04	7.02E-07	0.00E+00	7.02E-07	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	2.06E-04
3476	ALL	492184	3616453	NonCancer	1.99E-04	6.76E-07	1.25E-04	0.00E+00	0.00E+00	1.25E-04	6.76E-07	0.00E+00	6.76E-07	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	1.99E-04
3477	ALL	492165	3616469	NonCancer	2.41E-04	8.18E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.18E-07	0.00E+00	8.18E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.41E-04
3478	ALL	492146.1	3616485	NonCancer	3.02E-04	1.03E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.02E-04
3479	ALL	492127.1	3616501	NonCancer	3.29E-04	1.12E-06	2.07E-04	0.00E+00	0.00E+00	2.07E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	3.29E-04
3480	ALL	492108.1	3616517	NonCancer	3.54E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.54E-04
3481	ALL	492089.2	3616533	NonCancer	3.94E-04	1.34E-06	2.48E-04	0.00E+00	0.00E+00	2.48E-04	1.34E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	3.94E-04
3482	ALL	492070.2	3616548	NonCancer	4.36E-04	1.48E-06	2.74E-04	0.00E+00	0.00E+00	2.74E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	4.36E-04
3483	ALL	492051.2	3616564	NonCancer	4.71E-04	1.60E-06	2.96E-04	0.00E+00	0.00E+00	2.96E-04	1.60E-06	0.00E+00	1.60E-06	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	4.71E-04

3484	ALL	492032.2	3616580	NonCancer	4.84E-04	1.64E-06	3.05E-04	0.00E+00	0.00E+00	3.05E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	4.84E-04
3485	ALL	492013.3	3616596	NonCancer	4.74E-04	1.61E-06	2.98E-04	0.00E+00	0.00E+00	2.98E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	4.74E-04
3486	ALL	491994.3	3616612	NonCancer	4.36E-04	1.48E-06	2.75E-04	0.00E+00	0.00E+00	2.75E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	4.36E-04
3487	ALL	491975.3	3616628	NonCancer	3.82E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.82E-04
3488	ALL	491956.3	3616644	NonCancer	3.75E-04	1.28E-06	2.36E-04	0.00E+00	0.00E+00	2.36E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	3.75E-04
3489	ALL	491937.4	3616660	NonCancer	3.80E-04	1.29E-06	2.39E-04	0.00E+00	0.00E+00	2.39E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	3.80E-04
3490	ALL	491918.4	3616676	NonCancer	3.73E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.73E-04
3491	ALL	491899.4	3616692	NonCancer	3.83E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.83E-04
3492	ALL	491880.4	3616708	NonCancer	3.88E-04	1.32E-06	2.44E-04	0.00E+00	0.00E+00	2.44E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	3.88E-04
3493	ALL	491861.5	3616724	NonCancer	4.01E-04	1.36E-06	2.53E-04	0.00E+00	0.00E+00	2.53E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	4.01E-04
3494	ALL	491842.5	3616740	NonCancer	4.13E-04	1.41E-06	2.60E-04	0.00E+00	0.00E+00	2.60E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	4.13E-04
3495	ALL	491538.9	3616995	NonCancer	3.25E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.25E-04
3496	ALL	491519.9	3617011	NonCancer	3.35E-04	1.14E-06	2.11E-04	0.00E+00	0.00E+00	2.11E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	3.35E-04
3497	ALL	491501	3617027	NonCancer	3.53E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.53E-04
3498	ALL	491482	3617043	NonCancer	3.49E-04	1.19E-06	2.20E-04	0.00E+00	0.00E+00	2.20E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	3.49E-04
3499	ALL	491463	3617059	NonCancer	3.33E-04	1.13E-06	2.10E-04	0.00E+00	0.00E+00	2.10E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	3.33E-04
3500	ALL	491444.1	3617075	NonCancer	3.35E-04	1.14E-06	2.11E-04	0.00E+00	0.00E+00	2.11E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	3.35E-04
3501	ALL	491425.1	3617091	NonCancer	3.26E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.26E-04
3502	ALL	491406.1	3617107	NonCancer	3.15E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.15E-04
3503	ALL	491387.1	3617123	NonCancer	3.40E-04	1.16E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.40E-04
3504	ALL	491368.2	3617139	NonCancer	3.73E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.73E-04
3505	ALL	491349.2	3617155	NonCancer	3.91E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.91E-04
3506	ALL	491330.2	3617171	NonCancer	4.16E-04	1.41E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.16E-04
3507	ALL	491311.2	3617187	NonCancer	4.21E-04	1.43E-06	2.65E-04	0.00E+00	0.00E+00	2.65E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	4.21E-04
3508	ALL	491292.3	3617203	NonCancer	5.03E-04	1.71E-06	3.17E-04	0.00E+00	0.00E+00	3.17E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	5.03E-04
3509	ALL	491273.3	3617219	NonCancer	5.82E-04	1.98E-06	3.66E-04	0.00E+00	0.00E+00	3.66E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	5.82E-04
3510	ALL	491254.3	3617235	NonCancer	6.28E-04	2.14E-06	3.96E-04	0.00E+00	0.00E+00	3.96E-04	2.14E-06	0.00E+00	2.14E-06	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	6.28E-04
3511	ALL	491235.3	3617251	NonCancer	6.59E-04	2.24E-06	4.15E-04	0.00E+00	0.00E+00	4.15E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	6.59E-04
3512	ALL	491216.4	3617267	NonCancer	6.76E-04	2.30E-06	4.26E-04	0.00E+00	0.00E+00	4.26E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	6.76E-04
3513	ALL	491197.4	3617283	NonCancer	5.60E-04	1.90E-06	3.52E-04	0.00E+00	0.00E+00	3.52E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	5.60E-04
3514	ALL	491178.4	3617299	NonCancer	4.46E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.46E-04
3515	ALL	491159.5	3617314	NonCancer	3.06E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.06E-04
3516	ALL	491140.5	3617330	NonCancer	3.95E-04	1.34E-06	2.49E-04	0.00E+00	0.00E+00	2.49E-04	1.34E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	3.95E-04
3517	ALL	491121.5	3617346	NonCancer	4.76E-04	1.62E-06	2.99E-04	0.00E+00	0.00E+00	2.99E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	4.76E-04
3518	ALL	491102.5	3617362	NonCancer	4.87E-04	1.65E-06	3.06E-04	0.00E+00	0.00E+00	3.06E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	4.87E-04
3519	ALL	491083.6	3617378	NonCancer	4.87E-04	1.66E-06	3.07E-04	0.00E+00	0.00E+00	3.07E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	4.87E-04
3520	ALL	491045.6	3617410	NonCancer	5.45E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.45E-04
3521	ALL	490988.7	3617458	NonCancer	5.69E-04	1.94E-06	3.58E-04	0.00E+00	0.00E+00	3.58E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	5.69E-04
3522	ALL	490969.7	3617474	NonCancer	5.64E-04	1.92E-06	3.55E-04	0.00E+00	0.00E+00	3.55E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	5.64E-04
3523	ALL	490950.7	3617490	NonCancer	5.60E-04	1.90E-06	3.52E-04	0.00E+00	0.00E+00	3.52E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	5.60E-04
3524	ALL	490931.8	3617506	NonCancer	5.37E-04	1.83E-06	3.38E-04	0.00E+00	0.00E+00	3.38E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	5.37E-04
3525	ALL	490912.8	3617522	NonCancer	5.00E-04	1.70E-06	3.15E-04	0.00E+00	0.00E+00	3.15E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	5.00E-04
3526	ALL	490893.8	3617538	NonCancer	4.96E-04	1.69E-06	3.12E-04	0.00E+00	0.00E+00	3.12E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	4.96E-04
3527	ALL	490874.9	3617554	NonCancer	5.09E-04	1.73E-06	3.21E-04	0.00E+00	0.00E+00	3.21E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	5.09E-04
3528	ALL	490855.9	3617570	NonCancer	5.29E-04	1.80E-06	3.33E-04	0.00E+00	0.00E+00	3.33E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	5.29E-04
3529	ALL	490836.9	3617586	NonCancer	5.58E-04	1.90E-06	3.51E-04	0.00E+00	0.00E+00	3.51E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	5.58E-04
3530	ALL	490817.9	3617602	NonCancer	5.88E-04	2.00E-06	3.70E-04	0.00E+00	0.00E+00	3.70E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	5.88E-04
3531	ALL	490799	3617618	NonCancer	5.97E-04	2.03E-06	3.76E-04	0.00E+00	0.00E+00	3.76E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	5.97E-04
3532	ALL	490704.1	3617697	NonCancer	5.68E-04	1.93E-06	3.57E-04	0.00E+00	0.00E+00	3.57E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	5.68E-04
3533	ALL	490685.1	3617713	NonCancer	5.17E-04	1.76E-06	3.25E-04	0.00E+00	0.00E+00	3.25E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	5.17E-04
3534	ALL	490666.1	3617729	NonCancer	5.44E-04	1.85E-06	3.42E-04	0.00E+00	0.00E+00	3.42E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	5.44E-04
3535	ALL	490647.2	3617745	NonCancer	6.04E-04	2.05E-06	3.80E-04	0.00E+00	0.00E+00	3.80E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	6.04E-04

3536	ALL	490628.2	3617761	NonCancer	6.62E-04	2.25E-06	4.17E-04	0.00E+00	0.00E+00	4.17E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	6.62E-04
3537	ALL	490609.2	3617777	NonCancer	7.00E-04	2.38E-06	4.41E-04	0.00E+00	0.00E+00	4.41E-04	2.38E-06	0.00E+00	2.38E-06	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	7.00E-04
3538	ALL	492964.6	3613946	NonCancer	2.02E-04	6.88E-07	1.27E-04	0.00E+00	0.00E+00	1.27E-04	6.88E-07	0.00E+00	6.88E-07	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	2.02E-04
3539	ALL	492962.5	3613922	NonCancer	2.68E-04	9.10E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.10E-07	0.00E+00	9.10E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.68E-04
3540	ALL	492960.4	3613897	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
3541	ALL	492958.4	3613872	NonCancer	3.59E-04	1.22E-06	2.26E-04	0.00E+00	0.00E+00	2.26E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	3.59E-04
3542	ALL	492956.3	3613847	NonCancer	3.64E-04	1.24E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.64E-04
3543	ALL	492954.2	3613823	NonCancer	3.48E-04	1.18E-06	2.19E-04	0.00E+00	0.00E+00	2.19E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	3.48E-04
3544	ALL	492952.1	3613798	NonCancer	3.19E-04	1.08E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
3545	ALL	489166.7	3614092	NonCancer	2.32E-02	7.88E-05	1.46E-02	0.00E+00	0.00E+00	1.46E-02	7.88E-05	0.00E+00	7.88E-05	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.32E-02
3546	ALL	489143.6	3614091	NonCancer	2.38E-02	8.10E-05	1.50E-02	0.00E+00	0.00E+00	1.50E-02	8.10E-05	0.00E+00	8.10E-05	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.38E-02
3547	ALL	489120.6	3614090	NonCancer	2.53E-02	8.59E-05	1.59E-02	0.00E+00	0.00E+00	1.59E-02	8.59E-05	0.00E+00	8.59E-05	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.53E-02
3548	ALL	489097.5	3614089	NonCancer	2.06E-02	7.00E-05	1.30E-02	0.00E+00	0.00E+00	1.30E-02	7.00E-05	0.00E+00	7.00E-05	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.06E-02
3549	ALL	489074.4	3614088	NonCancer	2.02E-02	6.86E-05	1.27E-02	0.00E+00	0.00E+00	1.27E-02	6.86E-05	0.00E+00	6.86E-05	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.02E-02
3550	ALL	489184	3614074	NonCancer	1.78E-02	6.06E-05	1.12E-02	0.00E+00	0.00E+00	1.12E-02	6.06E-05	0.00E+00	6.06E-05	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	1.78E-02
3551	ALL	489144.8	3614066	NonCancer	1.98E-02	6.75E-05	1.25E-02	0.00E+00	0.00E+00	1.25E-02	6.75E-05	0.00E+00	6.75E-05	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	1.98E-02
3552	ALL	489121.7	3614065	NonCancer	2.12E-02	7.22E-05	1.34E-02	0.00E+00	0.00E+00	1.34E-02	7.22E-05	0.00E+00	7.22E-05	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.12E-02
3553	ALL	489098.7	3614064	NonCancer	2.04E-02	6.94E-05	1.29E-02	0.00E+00	0.00E+00	1.29E-02	6.94E-05	0.00E+00	6.94E-05	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.04E-02
3554	ALL	489075.6	3614063	NonCancer	1.59E-02	5.41E-05	1.00E-02	0.00E+00	0.00E+00	1.00E-02	5.41E-05	0.00E+00	5.41E-05	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.59E-02
3555	ALL	489185.2	3614049	NonCancer	1.51E-02	5.13E-05	9.50E-03	0.00E+00	0.00E+00	9.50E-03	5.13E-05	0.00E+00	5.13E-05	0.00E+00	0.00E+00	9.50E-03	0.00E+00	0.00E+00	1.51E-02
3556	ALL	489225.1	3614079	NonCancer	1.78E-02	6.05E-05	1.12E-02	0.00E+00	0.00E+00	1.12E-02	6.05E-05	0.00E+00	6.05E-05	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	1.78E-02
3557	ALL	489146	3614041	NonCancer	1.66E-02	5.63E-05	1.04E-02	0.00E+00	0.00E+00	1.04E-02	5.63E-05	0.00E+00	5.63E-05	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.66E-02
3558	ALL	489122.9	3614040	NonCancer	1.69E-02	5.75E-05	1.06E-02	0.00E+00	0.00E+00	1.06E-02	5.75E-05	0.00E+00	5.75E-05	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.69E-02
3559	ALL	489099.8	3614039	NonCancer	1.77E-02	6.02E-05	1.11E-02	0.00E+00	0.00E+00	1.11E-02	6.02E-05	0.00E+00	6.02E-05	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	1.77E-02
3560	ALL	489076.8	3614038	NonCancer	1.42E-02	4.83E-05	8.95E-03	0.00E+00	0.00E+00	8.95E-03	4.83E-05	0.00E+00	4.83E-05	0.00E+00	0.00E+00	8.95E-03	0.00E+00	0.00E+00	1.42E-02
3561	ALL	489186.4	3614024	NonCancer	1.30E-02	4.42E-05	8.19E-03	0.00E+00	0.00E+00	8.19E-03	4.42E-05	0.00E+00	4.42E-05	0.00E+00	0.00E+00	8.19E-03	0.00E+00	0.00E+00	1.30E-02
3562	ALL	489218.7	3614038	NonCancer	1.30E-02	4.43E-05	8.20E-03	0.00E+00	0.00E+00	8.20E-03	4.43E-05	0.00E+00	4.43E-05	0.00E+00	0.00E+00	8.20E-03	0.00E+00	0.00E+00	1.30E-02
3563	ALL	489242.5	3614061	NonCancer	1.48E-02	5.02E-05	9.31E-03	0.00E+00	0.00E+00	9.31E-03	5.02E-05	0.00E+00	5.02E-05	0.00E+00	0.00E+00	9.31E-03	0.00E+00	0.00E+00	1.48E-02
3564	ALL	489147.1	3614016	NonCancer	1.38E-02	4.70E-05	8.70E-03	0.00E+00	0.00E+00	8.70E-03	4.70E-05	0.00E+00	4.70E-05	0.00E+00	0.00E+00	8.70E-03	0.00E+00	0.00E+00	1.38E-02
3565	ALL	489124.1	3614015	NonCancer	1.33E-02	4.53E-05	8.40E-03	0.00E+00	0.00E+00	8.40E-03	4.53E-05	0.00E+00	4.53E-05	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00	1.33E-02
3566	ALL	489101	3614014	NonCancer	1.51E-02	5.13E-05	9.49E-03	0.00E+00	0.00E+00	9.49E-03	5.13E-05	0.00E+00	5.13E-05	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00	1.51E-02
3567	ALL	489077.9	3614013	NonCancer	1.43E-02	4.88E-05	9.03E-03	0.00E+00	0.00E+00	9.03E-03	4.88E-05	0.00E+00	4.88E-05	0.00E+00	0.00E+00	9.03E-03	0.00E+00	0.00E+00	1.43E-02
3568	ALL	489191.9	3613976	NonCancer	9.73E-03	3.31E-05	6.13E-03	0.00E+00	0.00E+00	6.13E-03	3.31E-05	0.00E+00	3.31E-05	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	9.73E-03
3569	ALL	489230.8	3613992	NonCancer	9.91E-03	3.37E-05	6.24E-03	0.00E+00	0.00E+00	6.24E-03	3.37E-05	0.00E+00	3.37E-05	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	9.91E-03
3570	ALL	489278.7	3614028	NonCancer	1.07E-02	3.63E-05	6.72E-03	0.00E+00	0.00E+00	6.72E-03	3.63E-05	0.00E+00	3.63E-05	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	1.07E-02
3571	ALL	489296.8	3614066	NonCancer	7.16E-03	2.43E-05	4.51E-03	0.00E+00	0.00E+00	4.51E-03	2.43E-05	0.00E+00	2.43E-05	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	7.16E-03
3572	ALL	489149.5	3613966	NonCancer	9.84E-03	3.35E-05	6.20E-03	0.00E+00	0.00E+00	6.20E-03	3.35E-05	0.00E+00	3.35E-05	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	9.84E-03
3573	ALL	489126.4	3613965	NonCancer	1.08E-02	3.67E-05	6.80E-03	0.00E+00	0.00E+00	6.80E-03	3.67E-05	0.00E+00	3.67E-05	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00	1.08E-02
3574	ALL	489103.3	3613964	NonCancer	1.12E-02	3.82E-05	7.08E-03	0.00E+00	0.00E+00	7.08E-03	3.82E-05	0.00E+00	3.82E-05	0.00E+00	0.00E+00	7.08E-03	0.00E+00	0.00E+00	1.12E-02
3575	ALL	489080.3	3613963	NonCancer	1.13E-02	3.85E-05	7.12E-03	0.00E+00	0.00E+00	7.12E-03	3.85E-05	0.00E+00	3.85E-05	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00	1.13E-02
3576	ALL	489193.3	3613925	NonCancer	7.90E-03	2.69E-05	4.97E-03	0.00E+00	0.00E+00	4.97E-03	2.69E-05	0.00E+00	2.69E-05	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	7.90E-03
3577	ALL	489230.3	3613941	NonCancer	8.51E-03	2.89E-05	5.36E-03	0.00E+00	0.00E+00	5.36E-03	2.89E-05	0.00E+00	2.89E-05	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	8.51E-03
3578	ALL	489267.3	3613957	NonCancer	8.59E-03	2.92E-05	5.41E-03	0.00E+00	0.00E+00	5.41E-03	2.92E-05	0.00E+00	2.92E-05	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	8.59E-03
3579	ALL	489312.9	3613991	NonCancer	7.11E-03	2.42E-05	4.48E-03	0.00E+00	0.00E+00	4.48E-03	2.42E-05	0.00E+00	2.42E-05	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	7.11E-03
3580	ALL	489330.2	3614028	NonCancer	5.09E-03	1.73E-05	3.20E-03	0.00E+00	0.00E+00	3.20E-03	1.73E-05	0.00E+00	1.73E-05	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.09E-03
3581	ALL	489347.5	3614064	NonCancer	2.72E-03	9.25E-06	1.71E-03	0.00E+00	0.00E+00	1.71E-03	9.25E-06	0.00E+00	9.25E-06	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	2.72E-03
3582	ALL	489151.8	3613916	NonCancer	7.31E-03	2.49E-05	4.60E-03	0.00E+00	0.00E+00	4.60E-03	2.49E-05	0.00E+00	2.49E-05	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00	7.31E-03
3583	ALL	489128.7	3613915	NonCancer	8.72E-03	2.96E-05	5.49E-03	0.00E+00	0.00E+00	5.49E-03	2.96E-05	0.00E+00	2.96E-05	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	8.72E-03
3584	ALL	489105.7	3613914	NonCancer	8.07E-03	2.74E-05	5.08E-03	0.00E+00	0.00E+00	5.08E-03	2.74E-05	0.00E+00	2.74E-05	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	8.07E-03
3585	ALL	489082.6	3613913	NonCancer	9.31E-03	3.17E-05	5.86E-03	0.00E+00	0.00E+00	5.86E-03	3.17E-05	0.00E+00	3.17E-05	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	9.31E-03
3586	ALL	489197.4	3613876	NonCancer	6.47E-03	2.20E-05	4.07E-03	0.00E+00	0.00E+00	4.07E-03	2.20E-05	0.00E+00	2.20E-05	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	6.47E-03
3587	ALL	489237.9	3613893	NonCancer	7.02E-03	2.39E-05	4.42E-03	0.00E+00	0.00E+00	4.42E-03	2.39E-05	0.00E+00	2.39E-05	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	7.02E-03

3588	ALL	489278.3	3613911	NonCancer	7.17E-03	2.44E-05	4.51E-03	0.00E+00	0.00E+00	4.51E-03	2.44E-05	0.00E+00	2.44E-05	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	7.17E-03
3589	ALL	489318.7	3613928	NonCancer	6.83E-03	2.32E-05	4.30E-03	0.00E+00	0.00E+00	4.30E-03	2.32E-05	0.00E+00	2.32E-05	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	6.83E-03
3590	ALL	489348.4	3613957	NonCancer	4.68E-03	1.59E-05	2.95E-03	0.00E+00	0.00E+00	2.95E-03	1.59E-05	0.00E+00	1.59E-05	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	4.68E-03
3591	ALL	489367.3	3613997	NonCancer	3.47E-03	1.18E-05	2.19E-03	0.00E+00	0.00E+00	2.19E-03	1.18E-05	0.00E+00	1.18E-05	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	3.47E-03
3592	ALL	489386.3	3614036	NonCancer	2.11E-03	7.18E-06	1.33E-03	0.00E+00	0.00E+00	1.33E-03	7.18E-06	0.00E+00	7.18E-06	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.11E-03
3593	ALL	489154.1	3613866	NonCancer	6.22E-03	2.11E-05	3.91E-03	0.00E+00	0.00E+00	3.91E-03	2.11E-05	0.00E+00	2.11E-05	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	6.22E-03
3594	ALL	489131.1	3613865	NonCancer	7.00E-03	2.38E-05	4.41E-03	0.00E+00	0.00E+00	4.41E-03	2.38E-05	0.00E+00	2.38E-05	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	7.00E-03
3595	ALL	489108	3613864	NonCancer	7.05E-03	2.40E-05	4.44E-03	0.00E+00	0.00E+00	4.44E-03	2.40E-05	0.00E+00	2.40E-05	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	7.05E-03
3596	ALL	489084.9	3613863	NonCancer	7.07E-03	2.40E-05	4.45E-03	0.00E+00	0.00E+00	4.45E-03	2.40E-05	0.00E+00	2.40E-05	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	7.07E-03
3597	ALL	489198.9	3613826	NonCancer	5.51E-03	1.87E-05	3.47E-03	0.00E+00	0.00E+00	3.47E-03	1.87E-05	0.00E+00	1.87E-05	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	5.51E-03
3598	ALL	489237.8	3613842	NonCancer	5.84E-03	1.98E-05	3.67E-03	0.00E+00	0.00E+00	3.67E-03	1.98E-05	0.00E+00	1.98E-05	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	5.84E-03
3599	ALL	489276.6	3613859	NonCancer	5.77E-03	1.96E-05	3.63E-03	0.00E+00	0.00E+00	3.63E-03	1.96E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	5.77E-03
3600	ALL	489315.4	3613876	NonCancer	5.78E-03	1.96E-05	3.64E-03	0.00E+00	0.00E+00	3.64E-03	1.96E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	5.78E-03
3601	ALL	489354.2	3613893	NonCancer	5.09E-03	1.73E-05	3.20E-03	0.00E+00	0.00E+00	3.20E-03	1.73E-05	0.00E+00	1.73E-05	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.09E-03
3602	ALL	489382.7	3613920	NonCancer	3.45E-03	1.17E-05	2.18E-03	0.00E+00	0.00E+00	2.18E-03	1.17E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	3.45E-03
3603	ALL	489400.9	3613958	NonCancer	2.66E-03	9.04E-06	1.67E-03	0.00E+00	0.00E+00	1.67E-03	9.04E-06	0.00E+00	9.04E-06	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	2.66E-03
3604	ALL	489419.1	3613996	NonCancer	1.60E-03	5.43E-06	1.01E-03	0.00E+00	0.00E+00	1.01E-03	5.43E-06	0.00E+00	5.43E-06	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.60E-03
3605	ALL	489437.2	3614035	NonCancer	1.69E-03	5.73E-06	1.06E-03	0.00E+00	0.00E+00	1.06E-03	5.73E-06	0.00E+00	5.73E-06	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.69E-03
3606	ALL	489156.5	3613816	NonCancer	5.38E-03	1.83E-05	3.38E-03	0.00E+00	0.00E+00	3.38E-03	1.83E-05	0.00E+00	1.83E-05	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	5.38E-03
3607	ALL	489133.4	3613815	NonCancer	5.63E-03	1.91E-05	3.55E-03	0.00E+00	0.00E+00	3.55E-03	1.91E-05	0.00E+00	1.91E-05	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	5.63E-03
3608	ALL	489110.3	3613814	NonCancer	6.04E-03	2.05E-05	3.80E-03	0.00E+00	0.00E+00	3.80E-03	2.05E-05	0.00E+00	2.05E-05	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	6.04E-03
3609	ALL	489087.3	3613813	NonCancer	5.55E-03	1.89E-05	3.50E-03	0.00E+00	0.00E+00	3.50E-03	1.89E-05	0.00E+00	1.89E-05	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	5.55E-03
3610	ALL	489204.1	3613726	NonCancer	4.14E-03	1.41E-05	2.61E-03	0.00E+00	0.00E+00	2.61E-03	1.41E-05	0.00E+00	1.41E-05	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.14E-03
3611	ALL	489243.9	3613743	NonCancer	4.12E-03	1.40E-05	2.59E-03	0.00E+00	0.00E+00	2.59E-03	1.40E-05	0.00E+00	1.40E-05	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.12E-03
3612	ALL	489283.7	3613760	NonCancer	4.06E-03	1.38E-05	2.56E-03	0.00E+00	0.00E+00	2.56E-03	1.38E-05	0.00E+00	1.38E-05	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.06E-03
3613	ALL	489323.6	3613778	NonCancer	4.48E-03	1.52E-05	2.82E-03	0.00E+00	0.00E+00	2.82E-03	1.52E-05	0.00E+00	1.52E-05	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	4.48E-03
3614	ALL	489363.4	3613795	NonCancer	4.25E-03	1.44E-05	2.68E-03	0.00E+00	0.00E+00	2.68E-03	1.44E-05	0.00E+00	1.44E-05	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.25E-03
3615	ALL	489403.2	3613812	NonCancer	3.64E-03	1.24E-05	2.29E-03	0.00E+00	0.00E+00	2.29E-03	1.24E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	3.64E-03
3616	ALL	489452.3	3613849	NonCancer	2.34E-03	7.95E-06	1.47E-03	0.00E+00	0.00E+00	1.47E-03	7.95E-06	0.00E+00	7.95E-06	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.34E-03
3617	ALL	489471	3613888	NonCancer	1.57E-03	5.34E-06	9.89E-04	0.00E+00	0.00E+00	9.89E-04	5.34E-06	0.00E+00	5.34E-06	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00	1.57E-03
3618	ALL	489489.6	3613927	NonCancer	1.08E-03	3.68E-06	6.81E-04	0.00E+00	0.00E+00	6.81E-04	3.68E-06	0.00E+00	3.68E-06	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	1.08E-03
3619	ALL	489508.2	3613966	NonCancer	1.13E-03	3.84E-06	7.12E-04	0.00E+00	0.00E+00	7.12E-04	3.84E-06	0.00E+00	3.84E-06	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00	1.13E-03
3620	ALL	489526.9	3614005	NonCancer	1.16E-03	3.95E-06	7.32E-04	0.00E+00	0.00E+00	7.32E-04	3.95E-06	0.00E+00	3.95E-06	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	1.16E-03
3621	ALL	489545.5	3614044	NonCancer	1.19E-03	4.06E-06	7.51E-04	0.00E+00	0.00E+00	7.51E-04	4.06E-06	0.00E+00	4.06E-06	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	1.19E-03
3622	ALL	489161.1	3613716	NonCancer	4.15E-03	1.41E-05	2.61E-03	0.00E+00	0.00E+00	2.61E-03	1.41E-05	0.00E+00	1.41E-05	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.15E-03
3623	ALL	489138.1	3613715	NonCancer	3.72E-03	1.27E-05	2.34E-03	0.00E+00	0.00E+00	2.34E-03	1.27E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	3.72E-03
3624	ALL	489115	3613714	NonCancer	4.43E-03	1.51E-05	2.79E-03	0.00E+00	0.00E+00	2.79E-03	1.51E-05	0.00E+00	1.51E-05	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	4.43E-03
3625	ALL	489091.9	3613713	NonCancer	4.49E-03	1.53E-05	2.83E-03	0.00E+00	0.00E+00	2.83E-03	1.53E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	4.49E-03
3626	ALL	489209.1	3613626	NonCancer	3.27E-03	1.11E-05	2.06E-03	0.00E+00	0.00E+00	2.06E-03	1.11E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.27E-03
3627	ALL	489249.5	3613644	NonCancer	2.98E-03	1.01E-05	1.88E-03	0.00E+00	0.00E+00	1.88E-03	1.01E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	2.98E-03
3628	ALL	489290	3613661	NonCancer	3.43E-03	1.17E-05	2.16E-03	0.00E+00	0.00E+00	2.16E-03	1.17E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.43E-03
3629	ALL	489330.4	3613679	NonCancer	3.37E-03	1.15E-05	2.12E-03	0.00E+00	0.00E+00	2.12E-03	1.15E-05	0.00E+00	1.15E-05	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.37E-03
3630	ALL	489370.9	3613696	NonCancer	3.27E-03	1.11E-05	2.06E-03	0.00E+00	0.00E+00	2.06E-03	1.11E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.27E-03
3631	ALL	489411.3	3613713	NonCancer	3.39E-03	1.15E-05	2.14E-03	0.00E+00	0.00E+00	2.14E-03	1.15E-05	0.00E+00	1.15E-05	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.39E-03
3632	ALL	489451.7	3613731	NonCancer	2.78E-03	9.46E-06	1.75E-03	0.00E+00	0.00E+00	1.75E-03	9.46E-06	0.00E+00	9.46E-06	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	2.78E-03
3633	ALL	489492.2	3613748	NonCancer	1.94E-03	6.59E-06	1.22E-03	0.00E+00	0.00E+00	1.22E-03	6.59E-06	0.00E+00	6.59E-06	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	1.94E-03
3634	ALL	489521.9	3613777	NonCancer	1.61E-03	5.47E-06	1.01E-03	0.00E+00	0.00E+00	1.01E-03	5.47E-06	0.00E+00	5.47E-06	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.61E-03
3635	ALL	489540.8	3613817	NonCancer	1.01E-03	3.43E-06	6.36E-04	0.00E+00	0.00E+00	6.36E-04	3.43E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	1.01E-03
3636	ALL	489559.7	3613856	NonCancer	7.81E-04	2.65E-06	4.91E-04	0.00E+00	0.00E+00	4.91E-04	2.65E-06	0.00E+00	2.65E-06	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	7.81E-04
3637	ALL	489578.6	3613896	NonCancer	8.13E-04	2.76E-06	5.12E-04	0.00E+00	0.00E+00	5.12E-04	2.76E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	8.13E-04
3638	ALL	489597.5	3613936	NonCancer	8.32E-04	2.83E-06	5.24E-04	0.00E+00	0.00E+00	5.24E-04	2.83E-06	0.00E+00	2.83E-06	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	8.32E-04
3639	ALL	489616.5	3613976	NonCancer	8.40E-04	2.86E-06	5.29E-04	0.00E+00	0.00E+00	5.29E-04	2.86E-06	0.00E+00	2.86E-06	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	8.40E-04

3640	ALL	489635.4	3614015	NonCancer	8.36E-04	2.84E-06	5.27E-04	0.00E+00	0.00E+00	5.27E-04	2.84E-06	0.00E+00	2.84E-06	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	8.36E-04
3641	ALL	489165.8	3613617	NonCancer	3.32E-03	1.13E-05	2.09E-03	0.00E+00	0.00E+00	2.09E-03	1.13E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.32E-03
3642	ALL	489142.7	3613615	NonCancer	2.96E-03	1.01E-05	1.86E-03	0.00E+00	0.00E+00	1.86E-03	1.01E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	2.96E-03
3643	ALL	489119.7	3613614	NonCancer	3.21E-03	1.09E-05	2.02E-03	0.00E+00	0.00E+00	2.02E-03	1.09E-05	0.00E+00	1.09E-05	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.21E-03
3644	ALL	489096.6	3613613	NonCancer	3.55E-03	1.21E-05	2.24E-03	0.00E+00	0.00E+00	2.24E-03	1.21E-05	0.00E+00	1.21E-05	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	3.55E-03
3645	ALL	489214	3613527	NonCancer	2.67E-03	9.06E-06	1.68E-03	0.00E+00	0.00E+00	1.68E-03	9.06E-06	0.00E+00	9.06E-06	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	2.67E-03
3646	ALL	489254.8	3613544	NonCancer	2.21E-03	7.53E-06	1.39E-03	0.00E+00	0.00E+00	1.39E-03	7.53E-06	0.00E+00	7.53E-06	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.21E-03
3647	ALL	489295.7	3613562	NonCancer	2.82E-03	9.58E-06	1.77E-03	0.00E+00	0.00E+00	1.77E-03	9.58E-06	0.00E+00	9.58E-06	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	2.82E-03
3648	ALL	489336.6	3613579	NonCancer	2.54E-03	8.65E-06	1.60E-03	0.00E+00	0.00E+00	1.60E-03	8.65E-06	0.00E+00	8.65E-06	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.54E-03
3649	ALL	489377.4	3613597	NonCancer	2.87E-03	9.77E-06	1.81E-03	0.00E+00	0.00E+00	1.81E-03	9.77E-06	0.00E+00	9.77E-06	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	2.87E-03
3650	ALL	489418.3	3613615	NonCancer	2.75E-03	9.34E-06	1.73E-03	0.00E+00	0.00E+00	1.73E-03	9.34E-06	0.00E+00	9.34E-06	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	2.75E-03
3651	ALL	489459.2	3613632	NonCancer	2.73E-03	9.29E-06	1.72E-03	0.00E+00	0.00E+00	1.72E-03	9.29E-06	0.00E+00	9.29E-06	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	2.73E-03
3652	ALL	489500	3613650	NonCancer	2.22E-03	7.55E-06	1.40E-03	0.00E+00	0.00E+00	1.40E-03	7.55E-06	0.00E+00	7.55E-06	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.22E-03
3653	ALL	489540.9	3613667	NonCancer	1.58E-03	5.37E-06	9.94E-04	0.00E+00	0.00E+00	9.94E-04	5.37E-06	0.00E+00	5.37E-06	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	1.58E-03
3654	ALL	489591.3	3613705	NonCancer	1.13E-03	3.85E-06	7.13E-04	0.00E+00	0.00E+00	7.13E-04	3.85E-06	0.00E+00	3.85E-06	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	1.13E-03
3655	ALL	489610.5	3613745	NonCancer	6.85E-04	2.33E-06	4.32E-04	0.00E+00	0.00E+00	4.32E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	6.85E-04
3656	ALL	489629.6	3613785	NonCancer	5.82E-04	1.98E-06	3.66E-04	0.00E+00	0.00E+00	3.66E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	5.82E-04
3657	ALL	489648.7	3613826	NonCancer	6.01E-04	2.04E-06	3.79E-04	0.00E+00	0.00E+00	3.79E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	6.01E-04
3658	ALL	489667.8	3613866	NonCancer	6.17E-04	2.10E-06	3.88E-04	0.00E+00	0.00E+00	3.88E-04	2.10E-06	0.00E+00	2.10E-06	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	6.17E-04
3659	ALL	489686.9	3613906	NonCancer	6.26E-04	2.13E-06	3.94E-04	0.00E+00	0.00E+00	3.94E-04	2.13E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	6.26E-04
3660	ALL	489706.1	3613946	NonCancer	6.32E-04	2.15E-06	3.98E-04	0.00E+00	0.00E+00	3.98E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	6.32E-04
3661	ALL	489725.2	3613986	NonCancer	1.53E-03	5.19E-06	9.62E-04	0.00E+00	0.00E+00	9.62E-04	5.19E-06	0.00E+00	5.19E-06	0.00E+00	0.00E+00	9.62E-04	0.00E+00	0.00E+00	1.53E-03
3662	ALL	489744.3	3614027	NonCancer	7.15E-04	2.43E-06	4.50E-04	0.00E+00	0.00E+00	4.50E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	7.15E-04
3663	ALL	489170.5	3613517	NonCancer	2.73E-03	9.26E-06	1.72E-03	0.00E+00	0.00E+00	1.72E-03	9.26E-06	0.00E+00	9.26E-06	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	2.73E-03
3664	ALL	489147.4	3613516	NonCancer	2.50E-03	8.49E-06	1.57E-03	0.00E+00	0.00E+00	1.57E-03	8.49E-06	0.00E+00	8.49E-06	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.50E-03
3665	ALL	489124.3	3613515	NonCancer	2.35E-03	7.99E-06	1.48E-03	0.00E+00	0.00E+00	1.48E-03	7.99E-06	0.00E+00	7.99E-06	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.35E-03
3666	ALL	489101.3	3613513	NonCancer	2.76E-03	9.37E-06	1.74E-03	0.00E+00	0.00E+00	1.74E-03	9.37E-06	0.00E+00	9.37E-06	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	2.76E-03
3667	ALL	489218.8	3613427	NonCancer	2.23E-03	7.59E-06	1.41E-03	0.00E+00	0.00E+00	1.41E-03	7.59E-06	0.00E+00	7.59E-06	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.23E-03
3668	ALL	489260	3613444	NonCancer	1.86E-03	6.32E-06	1.17E-03	0.00E+00	0.00E+00	1.17E-03	6.32E-06	0.00E+00	6.32E-06	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	1.86E-03
3669	ALL	489301.1	3613462	NonCancer	2.29E-03	7.78E-06	1.44E-03	0.00E+00	0.00E+00	1.44E-03	7.78E-06	0.00E+00	7.78E-06	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.29E-03
3670	ALL	489342.3	3613480	NonCancer	2.22E-03	7.54E-06	1.40E-03	0.00E+00	0.00E+00	1.40E-03	7.54E-06	0.00E+00	7.54E-06	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.22E-03
3671	ALL	489383.5	3613498	NonCancer	2.28E-03	7.75E-06	1.43E-03	0.00E+00	0.00E+00	1.43E-03	7.75E-06	0.00E+00	7.75E-06	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.28E-03
3672	ALL	489424.7	3613515	NonCancer	2.31E-03	7.85E-06	1.45E-03	0.00E+00	0.00E+00	1.45E-03	7.85E-06	0.00E+00	7.85E-06	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.31E-03
3673	ALL	489465.9	3613533	NonCancer	2.27E-03	7.71E-06	1.43E-03	0.00E+00	0.00E+00	1.43E-03	7.71E-06	0.00E+00	7.71E-06	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.27E-03
3674	ALL	489507	3613551	NonCancer	2.24E-03	7.61E-06	1.41E-03	0.00E+00	0.00E+00	1.41E-03	7.61E-06	0.00E+00	7.61E-06	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.24E-03
3675	ALL	489548.2	3613569	NonCancer	1.82E-03	6.18E-06	1.14E-03	0.00E+00	0.00E+00	1.14E-03	6.18E-06	0.00E+00	6.18E-06	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	1.82E-03
3676	ALL	489589.4	3613586	NonCancer	1.32E-03	4.48E-06	8.29E-04	0.00E+00	0.00E+00	8.29E-04	4.48E-06	0.00E+00	4.48E-06	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	1.32E-03
3677	ALL	489630.6	3613604	NonCancer	2.36E-03	8.04E-06	1.49E-03	0.00E+00	0.00E+00	1.49E-03	8.04E-06	0.00E+00	8.04E-06	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.36E-03
3678	ALL	489660.8	3613633	NonCancer	1.66E-03	5.63E-06	1.04E-03	0.00E+00	0.00E+00	1.04E-03	5.63E-06	0.00E+00	5.63E-06	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.66E-03
3679	ALL	489680.1	3613674	NonCancer	1.14E-03	3.87E-06	7.17E-04	0.00E+00	0.00E+00	7.17E-04	3.87E-06	0.00E+00	3.87E-06	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	1.14E-03
3680	ALL	489699.3	3613714	NonCancer	1.14E-03	3.88E-06	7.18E-04	0.00E+00	0.00E+00	7.18E-04	3.88E-06	0.00E+00	3.88E-06	0.00E+00	0.00E+00	7.18E-04	0.00E+00	0.00E+00	1.14E-03
3681	ALL	489718.6	3613755	NonCancer	9.31E-04	3.16E-06	5.86E-04	0.00E+00	0.00E+00	5.86E-04	3.16E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	9.31E-04
3682	ALL	489737.8	3613795	NonCancer	4.81E-04	1.63E-06	3.03E-04	0.00E+00	0.00E+00	3.03E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	4.81E-04
3683	ALL	489757.1	3613836	NonCancer	1.52E-03	5.16E-06	9.55E-04	0.00E+00	0.00E+00	9.55E-04	5.16E-06	0.00E+00	5.16E-06	0.00E+00	0.00E+00	9.55E-04	0.00E+00	0.00E+00	1.52E-03
3684	ALL	489776.4	3613876	NonCancer	2.20E-03	7.49E-06	1.39E-03	0.00E+00	0.00E+00	1.39E-03	7.49E-06	0.00E+00	7.49E-06	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.20E-03
3685	ALL	489795.6	3613917	NonCancer	5.07E-04	1.72E-06	3.19E-04	0.00E+00	0.00E+00	3.19E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.07E-04
3686	ALL	489814.9	3613957	NonCancer	5.30E-04	1.80E-06	3.34E-04	0.00E+00	0.00E+00	3.34E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	5.30E-04
3687	ALL	489834.2	3613998	NonCancer	5.94E-04	2.02E-06	3.74E-04	0.00E+00	0.00E+00	3.74E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	5.94E-04
3688	ALL	489175.1	3613417	NonCancer	2.29E-03	7.79E-06	1.44E-03	0.00E+00	0.00E+00	1.44E-03	7.79E-06	0.00E+00	7.79E-06	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.29E-03
3689	ALL	489152.1	3613416	NonCancer	2.14E-03	7.27E-06	1.35E-03	0.00E+00	0.00E+00	1.35E-03	7.27E-06	0.00E+00	7.27E-06	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.14E-03
3690	ALL	489129	3613415	NonCancer	1.92E-03	6.52E-06	1.21E-03	0.00E+00	0.00E+00	1.21E-03	6.52E-06	0.00E+00	6.52E-06	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	1.92E-03
3691	ALL	489105.9	3613414	NonCancer	2.13E-03	7.23E-06	1.34E-03	0.00E+00	0.00E+00	1.34E-03	7.23E-06	0.00E+00	7.23E-06	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.13E-03

3692	ALL	489223.6	3613327	NonCancer	1.91E-03	6.49E-06	1.20E-03	0.00E+00	0.00E+00	1.20E-03	6.49E-06	0.00E+00	6.49E-06	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	1.91E-03
3693	ALL	489244.3	3613336	NonCancer	1.79E-03	6.07E-06	1.12E-03	0.00E+00	0.00E+00	1.12E-03	6.07E-06	0.00E+00	6.07E-06	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	1.79E-03
3694	ALL	489265	3613345	NonCancer	1.62E-03	5.52E-06	1.02E-03	0.00E+00	0.00E+00	1.02E-03	5.52E-06	0.00E+00	5.52E-06	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.62E-03
3695	ALL	489285.7	3613354	NonCancer	1.61E-03	5.48E-06	1.02E-03	0.00E+00	0.00E+00	1.02E-03	5.48E-06	0.00E+00	5.48E-06	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.61E-03
3696	ALL	489327.1	3613371	NonCancer	1.99E-03	6.78E-06	1.26E-03	0.00E+00	0.00E+00	1.26E-03	6.78E-06	0.00E+00	6.78E-06	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	1.99E-03
3697	ALL	489347.8	3613380	NonCancer	1.99E-03	6.75E-06	1.25E-03	0.00E+00	0.00E+00	1.25E-03	6.75E-06	0.00E+00	6.75E-06	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	1.99E-03
3698	ALL	489389.2	3613398	NonCancer	1.82E-03	6.20E-06	1.15E-03	0.00E+00	0.00E+00	1.15E-03	6.20E-06	0.00E+00	6.20E-06	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	1.82E-03
3699	ALL	489409.9	3613407	NonCancer	1.95E-03	6.62E-06	1.23E-03	0.00E+00	0.00E+00	1.23E-03	6.62E-06	0.00E+00	6.62E-06	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	1.95E-03
3700	ALL	489451.3	3613425	NonCancer	1.99E-03	6.78E-06	1.26E-03	0.00E+00	0.00E+00	1.26E-03	6.78E-06	0.00E+00	6.78E-06	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	1.99E-03
3701	ALL	489472	3613434	NonCancer	1.90E-03	6.45E-06	1.19E-03	0.00E+00	0.00E+00	1.19E-03	6.45E-06	0.00E+00	6.45E-06	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	1.90E-03
3702	ALL	489513.5	3613452	NonCancer	1.91E-03	6.48E-06	1.20E-03	0.00E+00	0.00E+00	1.20E-03	6.48E-06	0.00E+00	6.48E-06	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	1.91E-03
3703	ALL	489534.2	3613461	NonCancer	1.96E-03	6.67E-06	1.23E-03	0.00E+00	0.00E+00	1.23E-03	6.67E-06	0.00E+00	6.67E-06	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	1.96E-03
3704	ALL	489575.6	3613478	NonCancer	1.68E-03	5.72E-06	1.06E-03	0.00E+00	0.00E+00	1.06E-03	5.72E-06	0.00E+00	5.72E-06	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.68E-03
3705	ALL	489596.3	3613487	NonCancer	1.51E-03	5.14E-06	9.52E-04	0.00E+00	0.00E+00	9.52E-04	5.14E-06	0.00E+00	5.14E-06	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	1.51E-03
3706	ALL	489637.7	3613505	NonCancer	2.85E-03	9.68E-06	1.79E-03	0.00E+00	0.00E+00	1.79E-03	9.68E-06	0.00E+00	9.68E-06	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	2.85E-03
3707	ALL	489658.4	3613514	NonCancer	2.66E-03	9.06E-06	1.68E-03	0.00E+00	0.00E+00	1.68E-03	9.06E-06	0.00E+00	9.06E-06	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	2.66E-03
3708	ALL	489699.8	3613532	NonCancer	2.04E-03	6.92E-06	1.28E-03	0.00E+00	0.00E+00	1.28E-03	6.92E-06	0.00E+00	6.92E-06	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.04E-03
3709	ALL	489730.2	3613561	NonCancer	1.59E-03	5.39E-06	9.98E-04	0.00E+00	0.00E+00	9.98E-04	5.39E-06	0.00E+00	5.39E-06	0.00E+00	0.00E+00	9.98E-04	0.00E+00	0.00E+00	1.59E-03
3710	ALL	489739.9	3613582	NonCancer	1.15E-03	3.91E-06	7.23E-04	0.00E+00	0.00E+00	7.23E-04	3.91E-06	0.00E+00	3.91E-06	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	1.15E-03
3711	ALL	489759.3	3613622	NonCancer	1.47E-03	4.99E-06	9.24E-04	0.00E+00	0.00E+00	9.24E-04	4.99E-06	0.00E+00	4.99E-06	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00	1.47E-03
3712	ALL	489769	3613643	NonCancer	1.45E-03	4.93E-06	9.13E-04	0.00E+00	0.00E+00	9.13E-04	4.93E-06	0.00E+00	4.93E-06	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00	1.45E-03
3713	ALL	489788.3	3613683	NonCancer	8.34E-04	2.84E-06	5.25E-04	0.00E+00	0.00E+00	5.25E-04	2.84E-06	0.00E+00	2.84E-06	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	8.34E-04
3714	ALL	489807.7	3613724	NonCancer	1.95E-03	6.63E-06	1.23E-03	0.00E+00	0.00E+00	1.23E-03	6.63E-06	0.00E+00	6.63E-06	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	1.95E-03
3715	ALL	489827.1	3613765	NonCancer	1.10E-03	3.74E-06	6.93E-04	0.00E+00	0.00E+00	6.93E-04	3.74E-06	0.00E+00	3.74E-06	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00	1.10E-03
3716	ALL	489836.8	3613785	NonCancer	4.09E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.09E-04
3717	ALL	489856.1	3613826	NonCancer	4.23E-04	1.44E-06	2.66E-04	0.00E+00	0.00E+00	2.66E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	4.23E-04
3718	ALL	489875.5	3613867	NonCancer	4.28E-04	1.46E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.28E-04
3719	ALL	489894.9	3613907	NonCancer	4.20E-04	1.43E-06	2.64E-04	0.00E+00	0.00E+00	2.64E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.20E-04
3720	ALL	489914.3	3613948	NonCancer	4.16E-04	1.41E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.16E-04
3721	ALL	489924	3613968	NonCancer	4.96E-04	1.69E-06	3.12E-04	0.00E+00	0.00E+00	3.12E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	4.96E-04
3722	ALL	489943.3	3614009	NonCancer	1.19E-03	4.04E-06	7.47E-04	0.00E+00	0.00E+00	7.47E-04	4.04E-06	0.00E+00	4.04E-06	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00	1.19E-03
3723	ALL	489179.8	3613317	NonCancer	1.96E-03	6.66E-06	1.23E-03	0.00E+00	0.00E+00	1.23E-03	6.66E-06	0.00E+00	6.66E-06	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	1.96E-03
3724	ALL	489156.7	3613316	NonCancer	1.87E-03	6.34E-06	1.17E-03	0.00E+00	0.00E+00	1.17E-03	6.34E-06	0.00E+00	6.34E-06	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	1.87E-03
3725	ALL	489133.7	3613315	NonCancer	1.71E-03	5.81E-06	1.08E-03	0.00E+00	0.00E+00	1.08E-03	5.81E-06	0.00E+00	5.81E-06	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.71E-03
3726	ALL	489110.6	3613314	NonCancer	1.65E-03	5.60E-06	1.04E-03	0.00E+00	0.00E+00	1.04E-03	5.60E-06	0.00E+00	5.60E-06	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.65E-03
3727	ALL	489233.1	3613127	NonCancer	1.46E-03	4.95E-06	9.16E-04	0.00E+00	0.00E+00	9.16E-04	4.95E-06	0.00E+00	4.95E-06	0.00E+00	0.00E+00	9.16E-04	0.00E+00	0.00E+00	1.46E-03
3728	ALL	489253.9	3613136	NonCancer	1.39E-03	4.72E-06	8.74E-04	0.00E+00	0.00E+00	8.74E-04	4.72E-06	0.00E+00	4.72E-06	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00	1.39E-03
3729	ALL	489274.8	3613145	NonCancer	1.27E-03	4.33E-06	8.02E-04	0.00E+00	0.00E+00	8.02E-04	4.33E-06	0.00E+00	4.33E-06	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00	1.27E-03
3730	ALL	489295.7	3613154	NonCancer	1.17E-03	3.97E-06	7.35E-04	0.00E+00	0.00E+00	7.35E-04	3.97E-06	0.00E+00	3.97E-06	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	1.17E-03
3731	ALL	489316.6	3613163	NonCancer	1.24E-03	4.22E-06	7.82E-04	0.00E+00	0.00E+00	7.82E-04	4.22E-06	0.00E+00	4.22E-06	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	1.24E-03
3732	ALL	489337.4	3613172	NonCancer	1.41E-03	4.79E-06	8.86E-04	0.00E+00	0.00E+00	8.86E-04	4.79E-06	0.00E+00	4.79E-06	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	1.41E-03
3733	ALL	489358.3	3613181	NonCancer	1.51E-03	5.13E-06	9.50E-04	0.00E+00	0.00E+00	9.50E-04	5.13E-06	0.00E+00	5.13E-06	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00	1.51E-03
3734	ALL	489379.2	3613190	NonCancer	1.53E-03	5.19E-06	9.61E-04	0.00E+00	0.00E+00	9.61E-04	5.19E-06	0.00E+00	5.19E-06	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00	1.53E-03
3735	ALL	489400.1	3613199	NonCancer	1.46E-03	4.96E-06	9.18E-04	0.00E+00	0.00E+00	9.18E-04	4.96E-06	0.00E+00	4.96E-06	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00	1.46E-03
3736	ALL	489420.9	3613208	NonCancer	1.35E-03	4.59E-06	8.49E-04	0.00E+00	0.00E+00	8.49E-04	4.59E-06	0.00E+00	4.59E-06	0.00E+00	0.00E+00	8.49E-04	0.00E+00	0.00E+00	1.35E-03
3737	ALL	489441.8	3613217	NonCancer	1.39E-03	4.72E-06	8.75E-04	0.00E+00	0.00E+00	8.75E-04	4.72E-06	0.00E+00	4.72E-06	0.00E+00	0.00E+00	8.75E-04	0.00E+00	0.00E+00	1.39E-03
3738	ALL	489462.7	3613226	NonCancer	1.48E-03	5.04E-06	9.33E-04	0.00E+00	0.00E+00	9.33E-04	5.04E-06	0.00E+00	5.04E-06	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	1.48E-03
3739	ALL	489483.5	3613235	NonCancer	1.55E-03	5.28E-06	9.77E-04	0.00E+00	0.00E+00	9.77E-04	5.28E-06	0.00E+00	5.28E-06	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00	1.55E-03
3740	ALL	489504.4	3613244	NonCancer	1.55E-03	5.26E-06	9.74E-04	0.00E+00	0.00E+00	9.74E-04	5.26E-06	0.00E+00	5.26E-06	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	1.55E-03
3741	ALL	489525.3	3613253	NonCancer	1.45E-03	4.93E-06	9.13E-04	0.00E+00	0.00E+00	9.13E-04	4.93E-06	0.00E+00	4.93E-06	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00	1.45E-03
3742	ALL	489546.2	3613262	NonCancer	1.47E-03	5.00E-06	9.26E-04	0.00E+00	0.00E+00	9.26E-04	5.00E-06	0.00E+00	5.00E-06	0.00E+00	0.00E+00	9.26E-04	0.00E+00	0.00E+00	1.47E-03
3743	ALL	489567	3613271	NonCancer	1.49E-03	5.05E-06	9.36E-04	0.00E+00	0.00E+00	9.36E-04	5.05E-06	0.00E+00	5.05E-06	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00	1.49E-03

3744	ALL	489587.9	3613280	NonCancer	1.44E-03	4.90E-06	9.08E-04	0.00E+00	0.00E+00	9.08E-04	4.90E-06	0.00E+00	4.90E-06	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00	1.44E-03
3745	ALL	489608.8	3613289	NonCancer	1.49E-03	5.08E-06	9.40E-04	0.00E+00	0.00E+00	9.40E-04	5.08E-06	0.00E+00	5.08E-06	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	1.49E-03
3746	ALL	489629.7	3613298	NonCancer	1.45E-03	4.93E-06	9.13E-04	0.00E+00	0.00E+00	9.13E-04	4.93E-06	0.00E+00	4.93E-06	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00	1.45E-03
3747	ALL	489650.5	3613307	NonCancer	1.32E-03	4.49E-06	8.32E-04	0.00E+00	0.00E+00	8.32E-04	4.49E-06	0.00E+00	4.49E-06	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00	1.32E-03
3748	ALL	489671.4	3613316	NonCancer	1.25E-03	4.25E-06	7.87E-04	0.00E+00	0.00E+00	7.87E-04	4.25E-06	0.00E+00	4.25E-06	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	1.25E-03
3749	ALL	489692.3	3613325	NonCancer	1.13E-03	3.83E-06	7.09E-04	0.00E+00	0.00E+00	7.09E-04	3.83E-06	0.00E+00	3.83E-06	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	1.13E-03
3750	ALL	489713.2	3613334	NonCancer	9.49E-04	3.23E-06	5.97E-04	0.00E+00	0.00E+00	5.97E-04	3.23E-06	0.00E+00	3.23E-06	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	9.49E-04
3751	ALL	489734	3613343	NonCancer	8.72E-04	2.96E-06	5.49E-04	0.00E+00	0.00E+00	5.49E-04	2.96E-06	0.00E+00	2.96E-06	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	8.72E-04
3752	ALL	489754.9	3613352	NonCancer	8.61E-04	2.93E-06	5.42E-04	0.00E+00	0.00E+00	5.42E-04	2.93E-06	0.00E+00	2.93E-06	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	8.61E-04
3753	ALL	489775.8	3613361	NonCancer	8.21E-04	2.79E-06	5.17E-04	0.00E+00	0.00E+00	5.17E-04	2.79E-06	0.00E+00	2.79E-06	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	8.21E-04
3754	ALL	489796.7	3613370	NonCancer	7.50E-04	2.55E-06	4.72E-04	0.00E+00	0.00E+00	4.72E-04	2.55E-06	0.00E+00	2.55E-06	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	7.50E-04
3755	ALL	489817.5	3613379	NonCancer	6.57E-04	2.23E-06	4.14E-04	0.00E+00	0.00E+00	4.14E-04	2.23E-06	0.00E+00	2.23E-06	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	6.57E-04
3756	ALL	489838.4	3613388	NonCancer	5.53E-04	1.88E-06	3.48E-04	0.00E+00	0.00E+00	3.48E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	5.53E-04
3757	ALL	489869.1	3613417	NonCancer	3.63E-04	1.24E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.63E-04
3758	ALL	489878.8	3613438	NonCancer	2.86E-04	9.73E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.73E-07	0.00E+00	9.73E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.86E-04
3759	ALL	489888.6	3613458	NonCancer	2.79E-04	9.48E-07	1.75E-04	0.00E+00	0.00E+00	1.75E-04	9.48E-07	0.00E+00	9.48E-07	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	2.79E-04
3760	ALL	489898.3	3613479	NonCancer	2.76E-04	9.40E-07	1.74E-04	0.00E+00	0.00E+00	1.74E-04	9.40E-07	0.00E+00	9.40E-07	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	2.76E-04
3761	ALL	489908.1	3613499	NonCancer	2.78E-04	9.46E-07	1.75E-04	0.00E+00	0.00E+00	1.75E-04	9.46E-07	0.00E+00	9.46E-07	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	2.78E-04
3762	ALL	489917.9	3613520	NonCancer	2.90E-04	9.85E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.85E-07	0.00E+00	9.85E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.90E-04
3763	ALL	489927.6	3613541	NonCancer	2.96E-04	1.01E-06	1.87E-04	0.00E+00	0.00E+00	1.87E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	2.96E-04
3764	ALL	489937.4	3613561	NonCancer	2.98E-04	1.01E-06	1.87E-04	0.00E+00	0.00E+00	1.87E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	2.98E-04
3765	ALL	489947.2	3613582	NonCancer	3.01E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.01E-04
3766	ALL	489956.9	3613602	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
3767	ALL	489966.7	3613623	NonCancer	3.04E-04	1.03E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.04E-04
3768	ALL	489976.5	3613643	NonCancer	3.08E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.08E-04
3769	ALL	489986.2	3613664	NonCancer	3.12E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.12E-04
3770	ALL	489996	3613684	NonCancer	3.12E-04	1.06E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.12E-04
3771	ALL	490005.8	3613705	NonCancer	3.05E-04	1.04E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.05E-04
3772	ALL	490015.5	3613725	NonCancer	3.09E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.09E-04
3773	ALL	490025.3	3613746	NonCancer	3.18E-04	1.08E-06	2.00E-04	0.00E+00	0.00E+00	2.00E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	3.18E-04
3774	ALL	490035.1	3613766	NonCancer	3.19E-04	1.08E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
3775	ALL	490044.8	3613787	NonCancer	3.19E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
3776	ALL	490054.6	3613807	NonCancer	3.20E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.20E-04
3777	ALL	490064.3	3613828	NonCancer	3.20E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.20E-04
3778	ALL	490074.1	3613848	NonCancer	3.19E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
3779	ALL	490083.9	3613869	NonCancer	3.19E-04	1.08E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
3780	ALL	490093.6	3613889	NonCancer	3.17E-04	1.08E-06	2.00E-04	0.00E+00	0.00E+00	2.00E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	3.17E-04
3781	ALL	490103.4	3613910	NonCancer	3.72E-04	1.26E-06	2.34E-04	0.00E+00	0.00E+00	2.34E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	3.72E-04
3782	ALL	490113.2	3613930	NonCancer	4.24E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.24E-04
3783	ALL	490122.9	3613951	NonCancer	4.67E-04	1.59E-06	2.94E-04	0.00E+00	0.00E+00	2.94E-04	1.59E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	4.67E-04
3784	ALL	489212.2	3613118	NonCancer	1.43E-03	4.88E-06	9.03E-04	0.00E+00	0.00E+00	9.03E-04	4.88E-06	0.00E+00	4.88E-06	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00	1.43E-03
3785	ALL	489189.1	3613117	NonCancer	1.49E-03	5.07E-06	9.38E-04	0.00E+00	0.00E+00	9.38E-04	5.07E-06	0.00E+00	5.07E-06	0.00E+00	0.00E+00	9.38E-04	0.00E+00	0.00E+00	1.49E-03
3786	ALL	489166	3613116	NonCancer	1.46E-03	4.96E-06	9.18E-04	0.00E+00	0.00E+00	9.18E-04	4.96E-06	0.00E+00	4.96E-06	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00	1.46E-03
3787	ALL	489143	3613115	NonCancer	1.37E-03	4.65E-06	8.60E-04	0.00E+00	0.00E+00	8.60E-04	4.65E-06	0.00E+00	4.65E-06	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	1.37E-03
3788	ALL	489119.9	3613114	NonCancer	1.25E-03	4.23E-06	7.84E-04	0.00E+00	0.00E+00	7.84E-04	4.23E-06	0.00E+00	4.23E-06	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00	1.25E-03
3789	ALL	489242.5	3612927	NonCancer	1.16E-03	3.94E-06	7.30E-04	0.00E+00	0.00E+00	7.30E-04	3.94E-06	0.00E+00	3.94E-06	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	1.16E-03
3790	ALL	489263.5	3612936	NonCancer	1.12E-03	3.81E-06	7.05E-04	0.00E+00	0.00E+00	7.05E-04	3.81E-06	0.00E+00	3.81E-06	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00	1.12E-03
3791	ALL	489284.5	3612946	NonCancer	1.03E-03	3.50E-06	6.49E-04	0.00E+00	0.00E+00	6.49E-04	3.50E-06	0.00E+00	3.50E-06	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	1.03E-03
3792	ALL	489305.5	3612955	NonCancer	9.69E-04	3.30E-06	6.10E-04	0.00E+00	0.00E+00	6.10E-04	3.30E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	9.69E-04
3793	ALL	489326.5	3612964	NonCancer	9.27E-04	3.15E-06	5.84E-04	0.00E+00	0.00E+00	5.84E-04	3.15E-06	0.00E+00	3.15E-06	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	9.27E-04
3794	ALL	489347.4	3612973	NonCancer	9.94E-04	3.38E-06	6.26E-04	0.00E+00	0.00E+00	6.26E-04	3.38E-06	0.00E+00	3.38E-06	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	9.94E-04
3795	ALL	489368.4	3612982	NonCancer	1.11E-03	3.78E-06	7.01E-04	0.00E+00	0.00E+00	7.01E-04	3.78E-06	0.00E+00	3.78E-06	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	1.11E-03

3796	ALL	489389.4	3612991	NonCancer	1.19E-03	4.05E-06	7.50E-04	0.00E+00	0.00E+00	7.50E-04	4.05E-06	0.00E+00	4.05E-06	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	1.19E-03
3797	ALL	489410.4	3613000	NonCancer	1.22E-03	4.14E-06	7.67E-04	0.00E+00	0.00E+00	7.67E-04	4.14E-06	0.00E+00	4.14E-06	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00	1.22E-03
3798	ALL	489431.4	3613009	NonCancer	1.19E-03	4.04E-06	7.49E-04	0.00E+00	0.00E+00	7.49E-04	4.04E-06	0.00E+00	4.04E-06	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	1.19E-03
3799	ALL	489452.4	3613018	NonCancer	1.11E-03	3.77E-06	6.97E-04	0.00E+00	0.00E+00	6.97E-04	3.77E-06	0.00E+00	3.77E-06	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	1.11E-03
3800	ALL	489473.4	3613027	NonCancer	1.09E-03	3.70E-06	6.85E-04	0.00E+00	0.00E+00	6.85E-04	3.70E-06	0.00E+00	3.70E-06	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00	1.09E-03
3801	ALL	489494.3	3613036	NonCancer	1.11E-03	3.76E-06	6.96E-04	0.00E+00	0.00E+00	6.96E-04	3.76E-06	0.00E+00	3.76E-06	0.00E+00	0.00E+00	6.96E-04	0.00E+00	0.00E+00	1.11E-03
3802	ALL	489515.3	3613045	NonCancer	1.18E-03	4.01E-06	7.42E-04	0.00E+00	0.00E+00	7.42E-04	4.01E-06	0.00E+00	4.01E-06	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	1.18E-03
3803	ALL	489536.3	3613054	NonCancer	1.23E-03	4.18E-06	7.74E-04	0.00E+00	0.00E+00	7.74E-04	4.18E-06	0.00E+00	4.18E-06	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00	1.23E-03
3804	ALL	489557.3	3613063	NonCancer	1.24E-03	4.22E-06	7.82E-04	0.00E+00	0.00E+00	7.82E-04	4.22E-06	0.00E+00	4.22E-06	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	1.24E-03
3805	ALL	489578.3	3613072	NonCancer	1.19E-03	4.06E-06	7.51E-04	0.00E+00	0.00E+00	7.51E-04	4.06E-06	0.00E+00	4.06E-06	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	1.19E-03
3806	ALL	489599.3	3613081	NonCancer	1.12E-03	3.82E-06	7.08E-04	0.00E+00	0.00E+00	7.08E-04	3.82E-06	0.00E+00	3.82E-06	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	1.12E-03
3807	ALL	489620.3	3613090	NonCancer	1.18E-03	4.02E-06	7.44E-04	0.00E+00	0.00E+00	7.44E-04	4.02E-06	0.00E+00	4.02E-06	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00	1.18E-03
3808	ALL	489641.3	3613099	NonCancer	1.18E-03	4.01E-06	7.42E-04	0.00E+00	0.00E+00	7.42E-04	4.01E-06	0.00E+00	4.01E-06	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	1.18E-03
3809	ALL	489662.2	3613108	NonCancer	1.14E-03	3.89E-06	7.20E-04	0.00E+00	0.00E+00	7.20E-04	3.89E-06	0.00E+00	3.89E-06	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00	1.14E-03
3810	ALL	489683.2	3613117	NonCancer	1.19E-03	4.04E-06	7.49E-04	0.00E+00	0.00E+00	7.49E-04	4.04E-06	0.00E+00	4.04E-06	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	1.19E-03
3811	ALL	489704.2	3613126	NonCancer	1.18E-03	4.01E-06	7.42E-04	0.00E+00	0.00E+00	7.42E-04	4.01E-06	0.00E+00	4.01E-06	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	1.18E-03
3812	ALL	489725.2	3613135	NonCancer	1.11E-03	3.77E-06	6.98E-04	0.00E+00	0.00E+00	6.98E-04	3.77E-06	0.00E+00	3.77E-06	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	1.11E-03
3813	ALL	489746.2	3613144	NonCancer	1.03E-03	3.52E-06	6.51E-04	0.00E+00	0.00E+00	6.51E-04	3.52E-06	0.00E+00	3.52E-06	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	1.03E-03
3814	ALL	489767.2	3613153	NonCancer	9.69E-04	3.29E-06	6.10E-04	0.00E+00	0.00E+00	6.10E-04	3.29E-06	0.00E+00	3.29E-06	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	9.69E-04
3815	ALL	489788.2	3613162	NonCancer	8.65E-04	2.94E-06	5.45E-04	0.00E+00	0.00E+00	5.45E-04	2.94E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	8.65E-04
3816	ALL	489809.2	3613171	NonCancer	7.37E-04	2.51E-06	4.64E-04	0.00E+00	0.00E+00	4.64E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	7.37E-04
3817	ALL	489830.1	3613181	NonCancer	6.96E-04	2.37E-06	4.38E-04	0.00E+00	0.00E+00	4.38E-04	2.37E-06	0.00E+00	2.37E-06	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	6.96E-04
3818	ALL	489851.1	3613190	NonCancer	6.85E-04	2.33E-06	4.31E-04	0.00E+00	0.00E+00	4.31E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	6.85E-04
3819	ALL	489872.1	3613199	NonCancer	6.69E-04	2.27E-06	4.21E-04	0.00E+00	0.00E+00	4.21E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	6.69E-04
3820	ALL	489893.1	3613208	NonCancer	6.30E-04	2.14E-06	3.97E-04	0.00E+00	0.00E+00	3.97E-04	2.14E-06	0.00E+00	2.14E-06	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	6.30E-04
3821	ALL	489914.1	3613217	NonCancer	5.73E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.73E-04
3822	ALL	489935.1	3613226	NonCancer	5.05E-04	1.72E-06	3.18E-04	0.00E+00	0.00E+00	3.18E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	5.05E-04
3823	ALL	489956.1	3613235	NonCancer	4.30E-04	1.46E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.30E-04
3824	ALL	489977.1	3613244	NonCancer	3.56E-04	1.21E-06	2.24E-04	0.00E+00	0.00E+00	2.24E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.56E-04
3825	ALL	490007.9	3613273	NonCancer	2.30E-04	7.80E-07	1.44E-04	0.00E+00	0.00E+00	1.44E-04	7.80E-07	0.00E+00	7.80E-07	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	2.30E-04
3826	ALL	490017.7	3613294	NonCancer	2.11E-04	7.19E-07	1.33E-04	0.00E+00	0.00E+00	1.33E-04	7.19E-07	0.00E+00	7.19E-07	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.11E-04
3827	ALL	490027.5	3613315	NonCancer	2.14E-04	7.26E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.26E-07	0.00E+00	7.26E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.14E-04
3828	ALL	490037.3	3613335	NonCancer	2.14E-04	7.27E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.27E-07	0.00E+00	7.27E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.14E-04
3829	ALL	490047.1	3613356	NonCancer	2.16E-04	7.36E-07	1.36E-04	0.00E+00	0.00E+00	1.36E-04	7.36E-07	0.00E+00	7.36E-07	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	2.16E-04
3830	ALL	490056.9	3613377	NonCancer	2.20E-04	7.48E-07	1.39E-04	0.00E+00	0.00E+00	1.39E-04	7.48E-07	0.00E+00	7.48E-07	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	2.20E-04
3831	ALL	490066.8	3613397	NonCancer	2.23E-04	7.57E-07	1.40E-04	0.00E+00	0.00E+00	1.40E-04	7.57E-07	0.00E+00	7.57E-07	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	2.23E-04
3832	ALL	490076.6	3613418	NonCancer	2.24E-04	7.63E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.63E-07	0.00E+00	7.63E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.24E-04
3833	ALL	490086.4	3613439	NonCancer	2.26E-04	7.70E-07	1.43E-04	0.00E+00	0.00E+00	1.43E-04	7.70E-07	0.00E+00	7.70E-07	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	2.26E-04
3834	ALL	490096.2	3613459	NonCancer	2.28E-04	7.76E-07	1.44E-04	0.00E+00	0.00E+00	1.44E-04	7.76E-07	0.00E+00	7.76E-07	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	2.28E-04
3835	ALL	490106	3613480	NonCancer	2.30E-04	7.82E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.82E-07	0.00E+00	7.82E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
3836	ALL	490115.8	3613500	NonCancer	2.31E-04	7.87E-07	1.46E-04	0.00E+00	0.00E+00	1.46E-04	7.87E-07	0.00E+00	7.87E-07	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	2.31E-04
3837	ALL	490125.7	3613521	NonCancer	2.33E-04	7.92E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.92E-07	0.00E+00	7.92E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.33E-04
3838	ALL	490135.5	3613542	NonCancer	2.35E-04	7.97E-07	1.48E-04	0.00E+00	0.00E+00	1.48E-04	7.97E-07	0.00E+00	7.97E-07	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	2.35E-04
3839	ALL	490145.3	3613562	NonCancer	2.36E-04	8.02E-07	1.48E-04	0.00E+00	0.00E+00	1.48E-04	8.02E-07	0.00E+00	8.02E-07	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	2.36E-04
3840	ALL	490155.1	3613583	NonCancer	2.37E-04	8.06E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.06E-07	0.00E+00	8.06E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.37E-04
3841	ALL	490164.9	3613604	NonCancer	2.38E-04	8.09E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04	8.09E-07	0.00E+00	8.09E-07	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	2.38E-04
3842	ALL	490174.8	3613624	NonCancer	2.39E-04	8.12E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04	8.12E-07	0.00E+00	8.12E-07	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	2.39E-04
3843	ALL	490184.6	3613645	NonCancer	2.39E-04	8.14E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.14E-07	0.00E+00	8.14E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.39E-04
3844	ALL	490194.4	3613666	NonCancer	2.40E-04	8.14E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.14E-07	0.00E+00	8.14E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04
3845	ALL	490204.2	3613686	NonCancer	2.39E-04	8.13E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.13E-07	0.00E+00	8.13E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.39E-04
3846	ALL	490214	3613707	NonCancer	2.40E-04	8.16E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.16E-07	0.00E+00	8.16E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04
3847	ALL	490223.8	3613727	NonCancer	2.40E-04	8.17E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.17E-07	0.00E+00	8.17E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04

3848	ALL	490233.7	3613748	NonCancer	2.41E-04	8.18E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.18E-07	0.00E+00	8.18E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.41E-04
3849	ALL	490243.5	3613769	NonCancer	2.41E-04	8.19E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.19E-07	0.00E+00	8.19E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.41E-04
3850	ALL	490253.3	3613789	NonCancer	2.40E-04	8.18E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.18E-07	0.00E+00	8.18E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04
3851	ALL	490263.1	3613810	NonCancer	2.40E-04	8.16E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.16E-07	0.00E+00	8.16E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04
3852	ALL	490272.9	3613831	NonCancer	2.49E-04	8.47E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.47E-07	0.00E+00	8.47E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.49E-04
3853	ALL	490282.7	3613851	NonCancer	2.88E-04	9.80E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.80E-07	0.00E+00	9.80E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.88E-04
3854	ALL	490292.6	3613872	NonCancer	3.25E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.25E-04
3855	ALL	490302.4	3613893	NonCancer	3.57E-04	1.21E-06	2.25E-04	0.00E+00	0.00E+00	2.25E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	3.57E-04
3856	ALL	490351.5	3613996	NonCancer	3.68E-04	1.25E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.68E-04
3857	ALL	489221.5	3612918	NonCancer	1.14E-03	3.88E-06	7.19E-04	0.00E+00	0.00E+00	7.19E-04	3.88E-06	0.00E+00	3.88E-06	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	1.14E-03
3858	ALL	489198.4	3612917	NonCancer	1.18E-03	4.02E-06	7.44E-04	0.00E+00	0.00E+00	7.44E-04	4.02E-06	0.00E+00	4.02E-06	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00	1.18E-03
3859	ALL	489175.4	3612916	NonCancer	1.18E-03	4.00E-06	7.41E-04	0.00E+00	0.00E+00	7.41E-04	4.00E-06	0.00E+00	4.00E-06	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	1.18E-03
3860	ALL	489152.3	3612915	NonCancer	1.12E-03	3.79E-06	7.02E-04	0.00E+00	0.00E+00	7.02E-04	3.79E-06	0.00E+00	3.79E-06	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00	1.12E-03
3861	ALL	489129.2	3612914	NonCancer	1.05E-03	3.58E-06	6.63E-04	0.00E+00	0.00E+00	6.63E-04	3.58E-06	0.00E+00	3.58E-06	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	1.05E-03
3862	ALL	489251.9	3612728	NonCancer	9.54E-04	3.24E-06	6.00E-04	0.00E+00	0.00E+00	6.00E-04	3.24E-06	0.00E+00	3.24E-06	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	9.54E-04
3863	ALL	489273	3612737	NonCancer	9.29E-04	3.16E-06	5.85E-04	0.00E+00	0.00E+00	5.85E-04	3.16E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	9.29E-04
3864	ALL	489294.1	3612746	NonCancer	8.67E-04	2.95E-06	5.46E-04	0.00E+00	0.00E+00	5.46E-04	2.95E-06	0.00E+00	2.95E-06	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	8.67E-04
3865	ALL	489315.1	3612755	NonCancer	8.18E-04	2.78E-06	5.15E-04	0.00E+00	0.00E+00	5.15E-04	2.78E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	8.18E-04
3866	ALL	489336.2	3612764	NonCancer	7.58E-04	2.58E-06	4.77E-04	0.00E+00	0.00E+00	4.77E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	7.58E-04
3867	ALL	489357.3	3612773	NonCancer	7.65E-04	2.60E-06	4.82E-04	0.00E+00	0.00E+00	4.82E-04	2.60E-06	0.00E+00	2.60E-06	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	7.65E-04
3868	ALL	489378.3	3612782	NonCancer	8.19E-04	2.78E-06	5.16E-04	0.00E+00	0.00E+00	5.16E-04	2.78E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	8.19E-04
3869	ALL	489399.4	3612791	NonCancer	9.08E-04	3.09E-06	5.72E-04	0.00E+00	0.00E+00	5.72E-04	3.09E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	9.08E-04
3870	ALL	489420.5	3612800	NonCancer	9.71E-04	3.30E-06	6.11E-04	0.00E+00	0.00E+00	6.11E-04	3.30E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	9.71E-04
3871	ALL	489441.5	3612809	NonCancer	9.99E-04	3.40E-06	6.29E-04	0.00E+00	0.00E+00	6.29E-04	3.40E-06	0.00E+00	3.40E-06	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	9.99E-04
3872	ALL	489462.6	3612818	NonCancer	9.90E-04	3.36E-06	6.23E-04	0.00E+00	0.00E+00	6.23E-04	3.36E-06	0.00E+00	3.36E-06	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	9.90E-04
3873	ALL	489483.7	3612827	NonCancer	9.43E-04	3.20E-06	5.93E-04	0.00E+00	0.00E+00	5.93E-04	3.20E-06	0.00E+00	3.20E-06	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	9.43E-04
3874	ALL	489504.7	3612837	NonCancer	8.63E-04	2.93E-06	5.43E-04	0.00E+00	0.00E+00	5.43E-04	2.93E-06	0.00E+00	2.93E-06	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	8.63E-04
3875	ALL	489525.8	3612846	NonCancer	9.00E-04	3.06E-06	5.67E-04	0.00E+00	0.00E+00	5.67E-04	3.06E-06	0.00E+00	3.06E-06	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	9.00E-04
3876	ALL	489546.9	3612855	NonCancer	9.12E-04	3.10E-06	5.74E-04	0.00E+00	0.00E+00	5.74E-04	3.10E-06	0.00E+00	3.10E-06	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	9.12E-04
3877	ALL	489567.9	3612864	NonCancer	9.67E-04	3.29E-06	6.09E-04	0.00E+00	0.00E+00	6.09E-04	3.29E-06	0.00E+00	3.29E-06	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	9.67E-04
3878	ALL	489589	3612873	NonCancer	1.00E-03	3.41E-06	6.32E-04	0.00E+00	0.00E+00	6.32E-04	3.41E-06	0.00E+00	3.41E-06	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	1.00E-03
3879	ALL	489610.1	3612882	NonCancer	1.02E-03	3.48E-06	6.44E-04	0.00E+00	0.00E+00	6.44E-04	3.48E-06	0.00E+00	3.48E-06	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	1.02E-03
3880	ALL	489631.1	3612891	NonCancer	1.00E-03	3.40E-06	6.30E-04	0.00E+00	0.00E+00	6.30E-04	3.40E-06	0.00E+00	3.40E-06	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	1.00E-03
3881	ALL	489652.2	3612900	NonCancer	9.39E-04	3.19E-06	5.91E-04	0.00E+00	0.00E+00	5.91E-04	3.19E-06	0.00E+00	3.19E-06	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	9.39E-04
3882	ALL	489673.3	3612909	NonCancer	9.43E-04	3.21E-06	5.94E-04	0.00E+00	0.00E+00	5.94E-04	3.21E-06	0.00E+00	3.21E-06	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	9.43E-04
3883	ALL	489694.4	3612918	NonCancer	9.75E-04	3.32E-06	6.14E-04	0.00E+00	0.00E+00	6.14E-04	3.32E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	9.75E-04
3884	ALL	489715.4	3612927	NonCancer	9.67E-04	3.29E-06	6.09E-04	0.00E+00	0.00E+00	6.09E-04	3.29E-06	0.00E+00	3.29E-06	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	9.67E-04
3885	ALL	489736.5	3612936	NonCancer	9.36E-04	3.18E-06	5.89E-04	0.00E+00	0.00E+00	5.89E-04	3.18E-06	0.00E+00	3.18E-06	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	9.36E-04
3886	ALL	489757.6	3612945	NonCancer	9.77E-04	3.32E-06	6.15E-04	0.00E+00	0.00E+00	6.15E-04	3.32E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	9.77E-04
3887	ALL	489778.6	3612955	NonCancer	9.77E-04	3.32E-06	6.15E-04	0.00E+00	0.00E+00	6.15E-04	3.32E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	9.77E-04
3888	ALL	489799.7	3612964	NonCancer	9.38E-04	3.19E-06	5.90E-04	0.00E+00	0.00E+00	5.90E-04	3.19E-06	0.00E+00	3.19E-06	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00	9.38E-04
3889	ALL	489820.8	3612973	NonCancer	8.65E-04	2.94E-06	5.45E-04	0.00E+00	0.00E+00	5.45E-04	2.94E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	8.65E-04
3890	ALL	489841.8	3612982	NonCancer	8.35E-04	2.84E-06	5.26E-04	0.00E+00	0.00E+00	5.26E-04	2.84E-06	0.00E+00	2.84E-06	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	8.35E-04
3891	ALL	489862.9	3612991	NonCancer	7.74E-04	2.63E-06	4.87E-04	0.00E+00	0.00E+00	4.87E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	7.74E-04
3892	ALL	489884	3613000	NonCancer	6.90E-04	2.34E-06	4.34E-04	0.00E+00	0.00E+00	4.34E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	6.90E-04
3893	ALL	489905	3613009	NonCancer	5.93E-04	2.02E-06	3.73E-04	0.00E+00	0.00E+00	3.73E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	5.93E-04
3894	ALL	489926.1	3613018	NonCancer	5.74E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.74E-04
3895	ALL	489947.2	3613027	NonCancer	5.63E-04	1.91E-06	3.55E-04	0.00E+00	0.00E+00	3.55E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	5.63E-04
3896	ALL	489968.2	3613036	NonCancer	5.58E-04	1.90E-06	3.51E-04	0.00E+00	0.00E+00	3.51E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	5.58E-04
3897	ALL	489989.3	3613045	NonCancer	5.36E-04	1.82E-06	3.38E-04	0.00E+00	0.00E+00	3.38E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	5.36E-04
3898	ALL	490010.4	3613054	NonCancer	5.02E-04	1.71E-06	3.16E-04	0.00E+00	0.00E+00	3.16E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	5.02E-04
3899	ALL	490031.4	3613063	NonCancer	4.56E-04	1.55E-06	2.87E-04	0.00E+00	0.00E+00	2.87E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	4.56E-04

3900	ALL	490052.5	3613073	NonCancer	4.03E-04	1.37E-06	2.53E-04	0.00E+00	0.00E+00	2.53E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	4.03E-04
3901	ALL	490073.6	3613082	NonCancer	3.46E-04	1.18E-06	2.18E-04	0.00E+00	0.00E+00	2.18E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	3.46E-04
3902	ALL	490094.7	3613091	NonCancer	2.89E-04	9.83E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.83E-07	0.00E+00	9.83E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.89E-04
3903	ALL	490115.7	3613100	NonCancer	2.36E-04	8.02E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.02E-07	0.00E+00	8.02E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.36E-04
3904	ALL	490146.6	3613130	NonCancer	1.71E-04	5.81E-07	1.08E-04	0.00E+00	0.00E+00	1.08E-04	5.81E-07	0.00E+00	5.81E-07	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	1.71E-04
3905	ALL	490156.5	3613150	NonCancer	1.68E-04	5.73E-07	1.06E-04	0.00E+00	0.00E+00	1.06E-04	5.73E-07	0.00E+00	5.73E-07	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.68E-04
3906	ALL	490166.4	3613171	NonCancer	1.67E-04	5.69E-07	1.05E-04	0.00E+00	0.00E+00	1.05E-04	5.69E-07	0.00E+00	5.69E-07	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.67E-04
3907	ALL	490176.2	3613192	NonCancer	1.69E-04	5.75E-07	1.06E-04	0.00E+00	0.00E+00	1.06E-04	5.75E-07	0.00E+00	5.75E-07	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.69E-04
3908	ALL	490186.1	3613212	NonCancer	1.71E-04	5.80E-07	1.07E-04	0.00E+00	0.00E+00	1.07E-04	5.80E-07	0.00E+00	5.80E-07	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	1.71E-04
3909	ALL	490195.9	3613233	NonCancer	1.72E-04	5.86E-07	1.09E-04	0.00E+00	0.00E+00	1.09E-04	5.86E-07	0.00E+00	5.86E-07	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	1.72E-04
3910	ALL	490205.8	3613254	NonCancer	1.74E-04	5.92E-07	1.10E-04	0.00E+00	0.00E+00	1.10E-04	5.92E-07	0.00E+00	5.92E-07	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	1.74E-04
3911	ALL	490215.6	3613275	NonCancer	1.75E-04	5.97E-07	1.10E-04	0.00E+00	0.00E+00	1.10E-04	5.97E-07	0.00E+00	5.97E-07	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	1.75E-04
3912	ALL	490225.5	3613295	NonCancer	1.77E-04	6.02E-07	1.11E-04	0.00E+00	0.00E+00	1.11E-04	6.02E-07	0.00E+00	6.02E-07	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	1.77E-04
3913	ALL	490235.3	3613316	NonCancer	1.78E-04	6.06E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.06E-07	0.00E+00	6.06E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.78E-04
3914	ALL	490245.2	3613337	NonCancer	1.79E-04	6.10E-07	1.13E-04	0.00E+00	0.00E+00	1.13E-04	6.10E-07	0.00E+00	6.10E-07	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	1.79E-04
3915	ALL	490255.1	3613357	NonCancer	1.81E-04	6.14E-07	1.14E-04	0.00E+00	0.00E+00	1.14E-04	6.14E-07	0.00E+00	6.14E-07	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	1.81E-04
3916	ALL	490264.9	3613378	NonCancer	1.82E-04	6.18E-07	1.14E-04	0.00E+00	0.00E+00	1.14E-04	6.18E-07	0.00E+00	6.18E-07	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	1.82E-04
3917	ALL	490274.8	3613399	NonCancer	1.83E-04	6.22E-07	1.15E-04	0.00E+00	0.00E+00	1.15E-04	6.22E-07	0.00E+00	6.22E-07	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	1.83E-04
3918	ALL	490284.6	3613420	NonCancer	1.84E-04	6.25E-07	1.16E-04	0.00E+00	0.00E+00	1.16E-04	6.25E-07	0.00E+00	6.25E-07	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.84E-04
3919	ALL	490294.5	3613440	NonCancer	1.85E-04	6.28E-07	1.16E-04	0.00E+00	0.00E+00	1.16E-04	6.28E-07	0.00E+00	6.28E-07	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.85E-04
3920	ALL	490304.3	3613461	NonCancer	1.85E-04	6.30E-07	1.17E-04	0.00E+00	0.00E+00	1.17E-04	6.30E-07	0.00E+00	6.30E-07	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	1.85E-04
3921	ALL	490314.2	3613482	NonCancer	1.86E-04	6.33E-07	1.17E-04	0.00E+00	0.00E+00	1.17E-04	6.33E-07	0.00E+00	6.33E-07	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	1.86E-04
3922	ALL	490324	3613502	NonCancer	1.87E-04	6.36E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.36E-07	0.00E+00	6.36E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.87E-04
3923	ALL	490333.9	3613523	NonCancer	1.87E-04	6.37E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.37E-07	0.00E+00	6.37E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.87E-04
3924	ALL	490343.8	3613544	NonCancer	1.88E-04	6.39E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.39E-07	0.00E+00	6.39E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.88E-04
3925	ALL	490353.6	3613565	NonCancer	1.88E-04	6.40E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.40E-07	0.00E+00	6.40E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.88E-04
3926	ALL	490363.5	3613585	NonCancer	1.89E-04	6.42E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.42E-07	0.00E+00	6.42E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.89E-04
3927	ALL	490373.3	3613606	NonCancer	1.89E-04	6.42E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.42E-07	0.00E+00	6.42E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.89E-04
3928	ALL	490383.2	3613627	NonCancer	1.89E-04	6.43E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.43E-07	0.00E+00	6.43E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.89E-04
3929	ALL	490393	3613647	NonCancer	1.89E-04	6.44E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.44E-07	0.00E+00	6.44E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.89E-04
3930	ALL	490402.9	3613668	NonCancer	1.89E-04	6.42E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.42E-07	0.00E+00	6.42E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.89E-04
3931	ALL	490412.7	3613689	NonCancer	1.89E-04	6.44E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.44E-07	0.00E+00	6.44E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.89E-04
3932	ALL	490422.6	3613710	NonCancer	1.89E-04	6.43E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.43E-07	0.00E+00	6.43E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.89E-04
3933	ALL	490432.5	3613730	NonCancer	1.89E-04	6.42E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.42E-07	0.00E+00	6.42E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.89E-04
3934	ALL	490442.3	3613751	NonCancer	1.88E-04	6.40E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.40E-07	0.00E+00	6.40E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.88E-04
3935	ALL	490452.2	3613772	NonCancer	2.02E-04	6.87E-07	1.27E-04	0.00E+00	0.00E+00	1.27E-04	6.87E-07	0.00E+00	6.87E-07	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	2.02E-04
3936	ALL	490462	3613792	NonCancer	2.31E-04	7.86E-07	1.46E-04	0.00E+00	0.00E+00	1.46E-04	7.86E-07	0.00E+00	7.86E-07	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	2.31E-04
3937	ALL	490471.9	3613813	NonCancer	2.59E-04	8.79E-07	1.63E-04	0.00E+00	0.00E+00	1.63E-04	8.79E-07	0.00E+00	8.79E-07	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	2.59E-04
3938	ALL	490481.7	3613834	NonCancer	2.83E-04	9.62E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.62E-07	0.00E+00	9.62E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.83E-04
3939	ALL	490491.6	3613855	NonCancer	3.02E-04	1.03E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.02E-04
3940	ALL	490540.9	3613958	NonCancer	2.96E-04	1.01E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.96E-04
3941	ALL	490550.7	3613979	NonCancer	2.75E-04	9.34E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.34E-07	0.00E+00	9.34E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.75E-04
3942	ALL	489230.8	3612719	NonCancer	9.39E-04	3.19E-06	5.91E-04	0.00E+00	0.00E+00	5.91E-04	3.19E-06	0.00E+00	3.19E-06	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	9.39E-04
3943	ALL	489207.8	3612718	NonCancer	9.66E-04	3.28E-06	6.08E-04	0.00E+00	0.00E+00	6.08E-04	3.28E-06	0.00E+00	3.28E-06	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00	9.66E-04
3944	ALL	489184.7	3612716	NonCancer	9.72E-04	3.30E-06	6.12E-04	0.00E+00	0.00E+00	6.12E-04	3.30E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	9.72E-04
3945	ALL	489161.6	3612715	NonCancer	9.39E-04	3.19E-06	5.91E-04	0.00E+00	0.00E+00	5.91E-04	3.19E-06	0.00E+00	3.19E-06	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	9.39E-04
3946	ALL	489138.6	3612714	NonCancer	8.95E-04	3.04E-06	5.63E-04	0.00E+00	0.00E+00	5.63E-04	3.04E-06	0.00E+00	3.04E-06	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	8.95E-04
3947	ALL	489261.3	3612528	NonCancer	8.02E-04	2.73E-06	5.05E-04	0.00E+00	0.00E+00	5.05E-04	2.73E-06	0.00E+00	2.73E-06	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	8.02E-04
3948	ALL	489282.4	3612537	NonCancer	7.86E-04	2.67E-06	4.95E-04	0.00E+00	0.00E+00	4.95E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	7.86E-04
3949	ALL	489303.6	3612546	NonCancer	7.43E-04	2.53E-06	4.68E-04	0.00E+00	0.00E+00	4.68E-04	2.53E-06	0.00E+00	2.53E-06	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	7.43E-04
3950	ALL	489324.7	3612555	NonCancer	7.00E-04	2.38E-06	4.41E-04	0.00E+00	0.00E+00	4.41E-04	2.38E-06	0.00E+00	2.38E-06	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	7.00E-04
3951	ALL	489345.8	3612564	NonCancer	6.60E-04	2.24E-06	4.16E-04	0.00E+00	0.00E+00	4.16E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	6.60E-04

3952	ALL	489367	3612573	NonCancer	6.36E-04	2.16E-06	4.01E-04	0.00E+00	0.00E+00	4.01E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	6.36E-04
3953	ALL	489388.1	3612583	NonCancer	6.50E-04	2.21E-06	4.09E-04	0.00E+00	0.00E+00	4.09E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	6.50E-04
3954	ALL	489409.2	3612592	NonCancer	6.89E-04	2.34E-06	4.34E-04	0.00E+00	0.00E+00	4.34E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	6.89E-04
3955	ALL	489430.3	3612601	NonCancer	7.59E-04	2.58E-06	4.78E-04	0.00E+00	0.00E+00	4.78E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	7.59E-04
3956	ALL	489451.5	3612610	NonCancer	8.10E-04	2.75E-06	5.10E-04	0.00E+00	0.00E+00	5.10E-04	2.75E-06	0.00E+00	2.75E-06	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	8.10E-04
3957	ALL	489472.6	3612619	NonCancer	8.37E-04	2.84E-06	5.27E-04	0.00E+00	0.00E+00	5.27E-04	2.84E-06	0.00E+00	2.84E-06	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	8.37E-04
3958	ALL	489493.7	3612628	NonCancer	8.37E-04	2.85E-06	5.27E-04	0.00E+00	0.00E+00	5.27E-04	2.85E-06	0.00E+00	2.85E-06	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	8.37E-04
3959	ALL	489514.9	3612637	NonCancer	8.11E-04	2.76E-06	5.10E-04	0.00E+00	0.00E+00	5.10E-04	2.76E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	8.11E-04
3960	ALL	489536	3612646	NonCancer	7.59E-04	2.58E-06	4.78E-04	0.00E+00	0.00E+00	4.78E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	7.59E-04
3961	ALL	489557.1	3612655	NonCancer	7.35E-04	2.50E-06	4.63E-04	0.00E+00	0.00E+00	4.63E-04	2.50E-06	0.00E+00	2.50E-06	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	7.35E-04
3962	ALL	489578.3	3612664	NonCancer	7.60E-04	2.58E-06	4.78E-04	0.00E+00	0.00E+00	4.78E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	7.60E-04
3963	ALL	489599.4	3612674	NonCancer	7.69E-04	2.61E-06	4.84E-04	0.00E+00	0.00E+00	4.84E-04	2.61E-06	0.00E+00	2.61E-06	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	7.69E-04
3964	ALL	489620.5	3612683	NonCancer	8.12E-04	2.76E-06	5.11E-04	0.00E+00	0.00E+00	5.11E-04	2.76E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	8.12E-04
3965	ALL	489641.6	3612692	NonCancer	8.39E-04	2.85E-06	5.28E-04	0.00E+00	0.00E+00	5.28E-04	2.85E-06	0.00E+00	2.85E-06	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	8.39E-04
3966	ALL	489662.8	3612701	NonCancer	8.59E-04	2.92E-06	5.41E-04	0.00E+00	0.00E+00	5.41E-04	2.92E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	8.59E-04
3967	ALL	489683.9	3612710	NonCancer	8.52E-04	2.90E-06	5.36E-04	0.00E+00	0.00E+00	5.36E-04	2.90E-06	0.00E+00	2.90E-06	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	8.52E-04
3968	ALL	489705	3612719	NonCancer	8.14E-04	2.77E-06	5.13E-04	0.00E+00	0.00E+00	5.13E-04	2.77E-06	0.00E+00	2.77E-06	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	8.14E-04
3969	ALL	489726.2	3612728	NonCancer	7.59E-04	2.58E-06	4.78E-04	0.00E+00	0.00E+00	4.78E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	7.59E-04
3970	ALL	489747.3	3612737	NonCancer	8.05E-04	2.74E-06	5.07E-04	0.00E+00	0.00E+00	5.07E-04	2.74E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	8.05E-04
3971	ALL	489768.4	3612746	NonCancer	8.22E-04	2.80E-06	5.18E-04	0.00E+00	0.00E+00	5.18E-04	2.80E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	8.22E-04
3972	ALL	489789.6	3612755	NonCancer	8.09E-04	2.75E-06	5.10E-04	0.00E+00	0.00E+00	5.10E-04	2.75E-06	0.00E+00	2.75E-06	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	8.09E-04
3973	ALL	489810.7	3612765	NonCancer	7.82E-04	2.66E-06	4.92E-04	0.00E+00	0.00E+00	4.92E-04	2.66E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	7.82E-04
3974	ALL	489831.8	3612774	NonCancer	8.19E-04	2.78E-06	5.15E-04	0.00E+00	0.00E+00	5.15E-04	2.78E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	8.19E-04
3975	ALL	489852.9	3612783	NonCancer	8.26E-04	2.81E-06	5.20E-04	0.00E+00	0.00E+00	5.20E-04	2.81E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	8.26E-04
3976	ALL	489874.1	3612792	NonCancer	8.03E-04	2.73E-06	5.05E-04	0.00E+00	0.00E+00	5.05E-04	2.73E-06	0.00E+00	2.73E-06	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	8.03E-04
3977	ALL	489895.2	3612801	NonCancer	7.53E-04	2.56E-06	4.74E-04	0.00E+00	0.00E+00	4.74E-04	2.56E-06	0.00E+00	2.56E-06	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	7.53E-04
3978	ALL	489916.3	3612810	NonCancer	7.21E-04	2.45E-06	4.54E-04	0.00E+00	0.00E+00	4.54E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	7.21E-04
3979	ALL	489937.5	3612819	NonCancer	6.90E-04	2.34E-06	4.34E-04	0.00E+00	0.00E+00	4.34E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	6.90E-04
3980	ALL	489958.6	3612828	NonCancer	6.36E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.36E-04
3981	ALL	489979.7	3612837	NonCancer	5.67E-04	1.93E-06	3.57E-04	0.00E+00	0.00E+00	3.57E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	5.67E-04
3982	ALL	490000.9	3612846	NonCancer	4.91E-04	1.67E-06	3.09E-04	0.00E+00	0.00E+00	3.09E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	4.91E-04
3983	ALL	490022	3612856	NonCancer	4.84E-04	1.65E-06	3.05E-04	0.00E+00	0.00E+00	3.05E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	4.84E-04
3984	ALL	490043.1	3612865	NonCancer	4.72E-04	1.61E-06	2.97E-04	0.00E+00	0.00E+00	2.97E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	4.72E-04
3985	ALL	490064.2	3612874	NonCancer	4.73E-04	1.61E-06	2.98E-04	0.00E+00	0.00E+00	2.98E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	4.73E-04
3986	ALL	490085.4	3612883	NonCancer	4.63E-04	1.57E-06	2.92E-04	0.00E+00	0.00E+00	2.92E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	4.63E-04
3987	ALL	490106.5	3612892	NonCancer	4.41E-04	1.50E-06	2.77E-04	0.00E+00	0.00E+00	2.77E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	4.41E-04
3988	ALL	490127.6	3612901	NonCancer	4.09E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.09E-04
3989	ALL	490148.8	3612910	NonCancer	3.71E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.71E-04
3990	ALL	490169.9	3612919	NonCancer	3.28E-04	1.12E-06	2.07E-04	0.00E+00	0.00E+00	2.07E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	3.28E-04
3991	ALL	490191	3612928	NonCancer	2.84E-04	9.66E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.66E-07	0.00E+00	9.66E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.84E-04
3992	ALL	490212.2	3612937	NonCancer	2.40E-04	8.18E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.18E-07	0.00E+00	8.18E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04
3993	ALL	490233.3	3612947	NonCancer	1.99E-04	6.78E-07	1.25E-04	0.00E+00	0.00E+00	1.25E-04	6.78E-07	0.00E+00	6.78E-07	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	1.99E-04
3994	ALL	490254.4	3612956	NonCancer	1.62E-04	5.51E-07	1.02E-04	0.00E+00	0.00E+00	1.02E-04	5.51E-07	0.00E+00	5.51E-07	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	1.62E-04
3995	ALL	490285.4	3612986	NonCancer	1.54E-04	5.22E-07	9.67E-05	0.00E+00	0.00E+00	9.67E-05	5.22E-07	0.00E+00	5.22E-07	0.00E+00	0.00E+00	9.67E-05	0.00E+00	0.00E+00	1.54E-04
3996	ALL	490295.3	3613006	NonCancer	1.50E-04	5.11E-07	9.46E-05	0.00E+00	0.00E+00	9.46E-05	5.11E-07	0.00E+00	5.11E-07	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	1.50E-04
3997	ALL	490305.2	3613027	NonCancer	1.46E-04	4.95E-07	9.17E-05	0.00E+00	0.00E+00	9.17E-05	4.95E-07	0.00E+00	4.95E-07	0.00E+00	0.00E+00	9.17E-05	0.00E+00	0.00E+00	1.46E-04
3998	ALL	490315.1	3613048	NonCancer	1.44E-04	4.89E-07	9.05E-05	0.00E+00	0.00E+00	9.05E-05	4.89E-07	0.00E+00	4.89E-07	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00	1.44E-04
3999	ALL	490325	3613069	NonCancer	1.40E-04	4.77E-07	8.83E-05	0.00E+00	0.00E+00	8.83E-05	4.77E-07	0.00E+00	4.77E-07	0.00E+00	0.00E+00	8.83E-05	0.00E+00	0.00E+00	1.40E-04
4000	ALL	490334.8	3613089	NonCancer	1.39E-04	4.73E-07	8.76E-05	0.00E+00	0.00E+00	8.76E-05	4.73E-07	0.00E+00	4.73E-07	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	1.39E-04
4001	ALL	490344.7	3613110	NonCancer	1.40E-04	4.76E-07	8.82E-05	0.00E+00	0.00E+00	8.82E-05	4.76E-07	0.00E+00	4.76E-07	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00	1.40E-04
4002	ALL	490354.6	3613131	NonCancer	1.41E-04	4.80E-07	8.88E-05	0.00E+00	0.00E+00	8.88E-05	4.80E-07	0.00E+00	4.80E-07	0.00E+00	0.00E+00	8.88E-05	0.00E+00	0.00E+00	1.41E-04
4003	ALL	490364.5	3613152	NonCancer	1.42E-04	4.83E-07	8.94E-05	0.00E+00	0.00E+00	8.94E-05	4.83E-07	0.00E+00	4.83E-07	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00	1.42E-04

4004	ALL	490374.4	3613173	NonCancer	1.43E-04	4.87E-07	9.02E-05	0.00E+00	0.00E+00	9.02E-05	4.87E-07	0.00E+00	4.87E-07	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00	1.43E-04
4005	ALL	490384.3	3613193	NonCancer	1.44E-04	4.90E-07	9.07E-05	0.00E+00	0.00E+00	9.07E-05	4.90E-07	0.00E+00	4.90E-07	0.00E+00	0.00E+00	9.07E-05	0.00E+00	0.00E+00	1.44E-04
4006	ALL	490394.2	3613214	NonCancer	1.45E-04	4.92E-07	9.12E-05	0.00E+00	0.00E+00	9.12E-05	4.92E-07	0.00E+00	4.92E-07	0.00E+00	0.00E+00	9.12E-05	0.00E+00	0.00E+00	1.45E-04
4007	ALL	490404	3613235	NonCancer	1.46E-04	4.95E-07	9.16E-05	0.00E+00	0.00E+00	9.16E-05	4.95E-07	0.00E+00	4.95E-07	0.00E+00	0.00E+00	9.16E-05	0.00E+00	0.00E+00	1.46E-04
4008	ALL	490413.9	3613256	NonCancer	1.46E-04	4.97E-07	9.21E-05	0.00E+00	0.00E+00	9.21E-05	4.97E-07	0.00E+00	4.97E-07	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00	1.46E-04
4009	ALL	490423.8	3613276	NonCancer	1.47E-04	5.00E-07	9.25E-05	0.00E+00	0.00E+00	9.25E-05	5.00E-07	0.00E+00	5.00E-07	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00	1.47E-04
4010	ALL	490433.7	3613297	NonCancer	1.48E-04	5.03E-07	9.32E-05	0.00E+00	0.00E+00	9.32E-05	5.03E-07	0.00E+00	5.03E-07	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	1.48E-04
4011	ALL	490443.6	3613318	NonCancer	1.49E-04	5.06E-07	9.36E-05	0.00E+00	0.00E+00	9.36E-05	5.06E-07	0.00E+00	5.06E-07	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	1.49E-04
4012	ALL	490453.5	3613339	NonCancer	1.49E-04	5.07E-07	9.39E-05	0.00E+00	0.00E+00	9.39E-05	5.07E-07	0.00E+00	5.07E-07	0.00E+00	0.00E+00	9.39E-05	0.00E+00	0.00E+00	1.49E-04
4013	ALL	490463.3	3613359	NonCancer	1.50E-04	5.09E-07	9.42E-05	0.00E+00	0.00E+00	9.42E-05	5.09E-07	0.00E+00	5.09E-07	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	1.50E-04
4014	ALL	490473.2	3613380	NonCancer	1.50E-04	5.11E-07	9.47E-05	0.00E+00	0.00E+00	9.47E-05	5.11E-07	0.00E+00	5.11E-07	0.00E+00	0.00E+00	9.47E-05	0.00E+00	0.00E+00	1.50E-04
4015	ALL	490483.1	3613401	NonCancer	1.51E-04	5.13E-07	9.51E-05	0.00E+00	0.00E+00	9.51E-05	5.13E-07	0.00E+00	5.13E-07	0.00E+00	0.00E+00	9.51E-05	0.00E+00	0.00E+00	1.51E-04
4016	ALL	490493	3613422	NonCancer	1.51E-04	5.14E-07	9.51E-05	0.00E+00	0.00E+00	9.51E-05	5.14E-07	0.00E+00	5.14E-07	0.00E+00	0.00E+00	9.51E-05	0.00E+00	0.00E+00	1.51E-04
4017	ALL	490502.9	3613443	NonCancer	1.51E-04	5.12E-07	9.49E-05	0.00E+00	0.00E+00	9.49E-05	5.12E-07	0.00E+00	5.12E-07	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00	1.51E-04
4018	ALL	490512.8	3613463	NonCancer	1.51E-04	5.12E-07	9.49E-05	0.00E+00	0.00E+00	9.49E-05	5.12E-07	0.00E+00	5.12E-07	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00	1.51E-04
4019	ALL	490522.6	3613484	NonCancer	1.50E-04	5.11E-07	9.46E-05	0.00E+00	0.00E+00	9.46E-05	5.11E-07	0.00E+00	5.11E-07	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	1.50E-04
4020	ALL	490532.5	3613505	NonCancer	1.50E-04	5.11E-07	9.46E-05	0.00E+00	0.00E+00	9.46E-05	5.11E-07	0.00E+00	5.11E-07	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	1.50E-04
4021	ALL	490542.4	3613526	NonCancer	1.50E-04	5.12E-07	9.47E-05	0.00E+00	0.00E+00	9.47E-05	5.12E-07	0.00E+00	5.12E-07	0.00E+00	0.00E+00	9.47E-05	0.00E+00	0.00E+00	1.50E-04
4022	ALL	490552.3	3613546	NonCancer	1.51E-04	5.12E-07	9.48E-05	0.00E+00	0.00E+00	9.48E-05	5.12E-07	0.00E+00	5.12E-07	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	1.51E-04
4023	ALL	490562.2	3613567	NonCancer	1.51E-04	5.12E-07	9.48E-05	0.00E+00	0.00E+00	9.48E-05	5.12E-07	0.00E+00	5.12E-07	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	1.51E-04
4024	ALL	490572.1	3613588	NonCancer	1.50E-04	5.11E-07	9.46E-05	0.00E+00	0.00E+00	9.46E-05	5.11E-07	0.00E+00	5.11E-07	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	1.50E-04
4025	ALL	490582	3613609	NonCancer	1.50E-04	5.11E-07	9.47E-05	0.00E+00	0.00E+00	9.47E-05	5.11E-07	0.00E+00	5.11E-07	0.00E+00	0.00E+00	9.47E-05	0.00E+00	0.00E+00	1.50E-04
4026	ALL	490591.8	3613630	NonCancer	1.50E-04	5.10E-07	9.44E-05	0.00E+00	0.00E+00	9.44E-05	5.10E-07	0.00E+00	5.10E-07	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	1.50E-04
4027	ALL	490601.7	3613650	NonCancer	1.49E-04	5.06E-07	9.38E-05	0.00E+00	0.00E+00	9.38E-05	5.06E-07	0.00E+00	5.06E-07	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	1.49E-04
4028	ALL	490611.6	3613671	NonCancer	4.20E-04	1.43E-06	2.64E-04	0.00E+00	0.00E+00	2.64E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.20E-04
4029	ALL	490621.5	3613692	NonCancer	4.60E-04	1.56E-06	2.90E-04	0.00E+00	0.00E+00	2.90E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	4.60E-04
4030	ALL	490631.4	3613713	NonCancer	4.99E-04	1.70E-06	3.14E-04	0.00E+00	0.00E+00	3.14E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	4.99E-04
4031	ALL	490641.3	3613733	NonCancer	5.23E-04	1.78E-06	3.29E-04	0.00E+00	0.00E+00	3.29E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	5.23E-04
4032	ALL	490651.1	3613754	NonCancer	5.21E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.21E-04
4033	ALL	490661	3613775	NonCancer	5.30E-04	1.80E-06	3.34E-04	0.00E+00	0.00E+00	3.34E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	5.30E-04
4034	ALL	490670.9	3613796	NonCancer	5.74E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.74E-04
4035	ALL	490680.8	3613817	NonCancer	5.81E-04	1.98E-06	3.66E-04	0.00E+00	0.00E+00	3.66E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	5.81E-04
4036	ALL	490690.7	3613837	NonCancer	6.23E-04	2.12E-06	3.92E-04	0.00E+00	0.00E+00	3.92E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	6.23E-04
4037	ALL	490730.2	3613920	NonCancer	6.53E-04	2.22E-06	4.11E-04	0.00E+00	0.00E+00	4.11E-04	2.22E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	6.53E-04
4038	ALL	490740.1	3613941	NonCancer	7.39E-04	2.51E-06	4.65E-04	0.00E+00	0.00E+00	4.65E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	7.39E-04
4039	ALL	490750	3613962	NonCancer	8.62E-04	2.93E-06	5.43E-04	0.00E+00	0.00E+00	5.43E-04	2.93E-06	0.00E+00	2.93E-06	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	8.62E-04
4040	ALL	489240.2	3612519	NonCancer	7.90E-04	2.69E-06	4.98E-04	0.00E+00	0.00E+00	4.98E-04	2.69E-06	0.00E+00	2.69E-06	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	7.90E-04
4041	ALL	489217.1	3612518	NonCancer	8.08E-04	2.75E-06	5.08E-04	0.00E+00	0.00E+00	5.08E-04	2.75E-06	0.00E+00	2.75E-06	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	8.08E-04
4042	ALL	489194	3612517	NonCancer	8.19E-04	2.78E-06	5.15E-04	0.00E+00	0.00E+00	5.15E-04	2.78E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	8.19E-04
4043	ALL	489171	3612516	NonCancer	8.02E-04	2.73E-06	5.05E-04	0.00E+00	0.00E+00	5.05E-04	2.73E-06	0.00E+00	2.73E-06	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	8.02E-04
4044	ALL	489147.9	3612515	NonCancer	7.66E-04	2.61E-06	4.82E-04	0.00E+00	0.00E+00	4.82E-04	2.61E-06	0.00E+00	2.61E-06	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	7.66E-04
4045	ALL	489270.7	3612328	NonCancer	6.83E-04	2.32E-06	4.30E-04	0.00E+00	0.00E+00	4.30E-04	2.32E-06	0.00E+00	2.32E-06	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	6.83E-04
4046	ALL	489291.9	3612337	NonCancer	6.72E-04	2.29E-06	4.23E-04	0.00E+00	0.00E+00	4.23E-04	2.29E-06	0.00E+00	2.29E-06	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	6.72E-04
4047	ALL	489313	3612346	NonCancer	6.42E-04	2.18E-06	4.04E-04	0.00E+00	0.00E+00	4.04E-04	2.18E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	6.42E-04
4048	ALL	489334.2	3612356	NonCancer	6.02E-04	2.05E-06	3.79E-04	0.00E+00	0.00E+00	3.79E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	6.02E-04
4049	ALL	489355.4	3612365	NonCancer	5.75E-04	1.96E-06	3.62E-04	0.00E+00	0.00E+00	3.62E-04	1.96E-06	0.00E+00	1.96E-06	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	5.75E-04
4050	ALL	489376.6	3612374	NonCancer	5.37E-04	1.83E-06	3.38E-04	0.00E+00	0.00E+00	3.38E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	5.37E-04
4051	ALL	489397.8	3612383	NonCancer	5.41E-04	1.84E-06	3.41E-04	0.00E+00	0.00E+00	3.41E-04	1.84E-06	0.00E+00	1.84E-06	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	5.41E-04
4052	ALL	489418.9	3612392	NonCancer	5.57E-04	1.90E-06	3.51E-04	0.00E+00	0.00E+00	3.51E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	5.57E-04
4053	ALL	489440.1	3612401	NonCancer	5.86E-04	1.99E-06	3.69E-04	0.00E+00	0.00E+00	3.69E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	5.86E-04
4054	ALL	489461.3	3612410	NonCancer	6.41E-04	2.18E-06	4.04E-04	0.00E+00	0.00E+00	4.04E-04	2.18E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	6.41E-04
4055	ALL	489482.5	3612419	NonCancer	6.84E-04	2.33E-06	4.31E-04	0.00E+00	0.00E+00	4.31E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	6.84E-04

4056	ALL	489503.6	3612429	NonCancer	7.13E-04	2.42E-06	4.49E-04	0.00E+00	0.00E+00	4.49E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	7.13E-04
4057	ALL	489524.8	3612438	NonCancer	7.19E-04	2.45E-06	4.53E-04	0.00E+00	0.00E+00	4.53E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	7.19E-04
4058	ALL	489546	3612447	NonCancer	7.05E-04	2.40E-06	4.44E-04	0.00E+00	0.00E+00	4.44E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	7.05E-04
4059	ALL	489567.2	3612456	NonCancer	6.71E-04	2.28E-06	4.23E-04	0.00E+00	0.00E+00	4.23E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	6.71E-04
4060	ALL	489588.4	3612465	NonCancer	6.20E-04	2.11E-06	3.90E-04	0.00E+00	0.00E+00	3.90E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	6.20E-04
4061	ALL	489609.5	3612474	NonCancer	6.36E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.36E-04
4062	ALL	489630.7	3612483	NonCancer	6.52E-04	2.22E-06	4.11E-04	0.00E+00	0.00E+00	4.11E-04	2.22E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	6.52E-04
4063	ALL	489651.9	3612492	NonCancer	6.61E-04	2.25E-06	4.16E-04	0.00E+00	0.00E+00	4.16E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	6.61E-04
4064	ALL	489673.1	3612501	NonCancer	6.95E-04	2.36E-06	4.38E-04	0.00E+00	0.00E+00	4.38E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	6.95E-04
4065	ALL	489694.2	3612511	NonCancer	7.08E-04	2.41E-06	4.46E-04	0.00E+00	0.00E+00	4.46E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	7.08E-04
4066	ALL	489715.4	3612520	NonCancer	7.27E-04	2.47E-06	4.58E-04	0.00E+00	0.00E+00	4.58E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	7.27E-04
4067	ALL	489736.6	3612529	NonCancer	7.26E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.26E-04
4068	ALL	489757.8	3612538	NonCancer	7.04E-04	2.39E-06	4.43E-04	0.00E+00	0.00E+00	4.43E-04	2.39E-06	0.00E+00	2.39E-06	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	7.04E-04
4069	ALL	489779	3612547	NonCancer	6.62E-04	2.25E-06	4.17E-04	0.00E+00	0.00E+00	4.17E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	6.62E-04
4070	ALL	489800.1	3612556	NonCancer	6.60E-04	2.24E-06	4.15E-04	0.00E+00	0.00E+00	4.15E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	6.60E-04
4071	ALL	489821.3	3612565	NonCancer	6.89E-04	2.34E-06	4.34E-04	0.00E+00	0.00E+00	4.34E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	6.89E-04
4072	ALL	489842.5	3612574	NonCancer	6.98E-04	2.37E-06	4.39E-04	0.00E+00	0.00E+00	4.39E-04	2.37E-06	0.00E+00	2.37E-06	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	6.98E-04
4073	ALL	489863.7	3612584	NonCancer	6.85E-04	2.33E-06	4.31E-04	0.00E+00	0.00E+00	4.31E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	6.85E-04
4074	ALL	489884.8	3612593	NonCancer	6.62E-04	2.25E-06	4.17E-04	0.00E+00	0.00E+00	4.17E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	6.62E-04
4075	ALL	489906	3612602	NonCancer	6.92E-04	2.35E-06	4.35E-04	0.00E+00	0.00E+00	4.35E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	6.92E-04
4076	ALL	489927.2	3612611	NonCancer	7.02E-04	2.39E-06	4.42E-04	0.00E+00	0.00E+00	4.42E-04	2.39E-06	0.00E+00	2.39E-06	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	7.02E-04
4077	ALL	489948.4	3612620	NonCancer	6.93E-04	2.36E-06	4.37E-04	0.00E+00	0.00E+00	4.37E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	6.93E-04
4078	ALL	489969.6	3612629	NonCancer	6.64E-04	2.26E-06	4.18E-04	0.00E+00	0.00E+00	4.18E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	6.64E-04
4079	ALL	489990.7	3612638	NonCancer	6.25E-04	2.12E-06	3.93E-04	0.00E+00	0.00E+00	3.93E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	6.25E-04
4080	ALL	490011.9	3612647	NonCancer	6.10E-04	2.07E-06	3.84E-04	0.00E+00	0.00E+00	3.84E-04	2.07E-06	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	6.10E-04
4081	ALL	490033.1	3612657	NonCancer	5.75E-04	1.96E-06	3.62E-04	0.00E+00	0.00E+00	3.62E-04	1.96E-06	0.00E+00	1.96E-06	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	5.75E-04
4082	ALL	490054.3	3612666	NonCancer	5.30E-04	1.80E-06	3.34E-04	0.00E+00	0.00E+00	3.34E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	5.30E-04
4083	ALL	490075.4	3612675	NonCancer	4.75E-04	1.61E-06	2.99E-04	0.00E+00	0.00E+00	2.99E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	4.75E-04
4084	ALL	490096.6	3612684	NonCancer	4.19E-04	1.43E-06	2.64E-04	0.00E+00	0.00E+00	2.64E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.19E-04
4085	ALL	490117.8	3612693	NonCancer	4.16E-04	1.42E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.16E-04
4086	ALL	490139	3612702	NonCancer	4.06E-04	1.38E-06	2.55E-04	0.00E+00	0.00E+00	2.55E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	4.06E-04
4087	ALL	490160.2	3612711	NonCancer	4.08E-04	1.39E-06	2.57E-04	0.00E+00	0.00E+00	2.57E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	4.08E-04
4088	ALL	490181.3	3612720	NonCancer	4.02E-04	1.37E-06	2.53E-04	0.00E+00	0.00E+00	2.53E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	4.02E-04
4089	ALL	490202.5	3612730	NonCancer	3.88E-04	1.32E-06	2.44E-04	0.00E+00	0.00E+00	2.44E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	3.88E-04
4090	ALL	490223.7	3612739	NonCancer	3.67E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.67E-04
4091	ALL	490244.9	3612748	NonCancer	6.23E-04	2.12E-06	3.93E-04	0.00E+00	0.00E+00	3.93E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	6.23E-04
4092	ALL	490266	3612757	NonCancer	1.40E-03	4.74E-06	8.79E-04	0.00E+00	0.00E+00	8.79E-04	4.74E-06	0.00E+00	4.74E-06	0.00E+00	0.00E+00	8.79E-04	0.00E+00	0.00E+00	1.40E-03
4093	ALL	490287.2	3612766	NonCancer	1.48E-03	5.04E-06	9.34E-04	0.00E+00	0.00E+00	9.34E-04	5.04E-06	0.00E+00	5.04E-06	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00	1.48E-03
4094	ALL	490308.4	3612775	NonCancer	1.43E-03	4.88E-06	9.03E-04	0.00E+00	0.00E+00	9.03E-04	4.88E-06	0.00E+00	4.88E-06	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00	1.43E-03
4095	ALL	490329.6	3612784	NonCancer	1.14E-03	3.88E-06	7.19E-04	0.00E+00	0.00E+00	7.19E-04	3.88E-06	0.00E+00	3.88E-06	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	1.14E-03
4096	ALL	490350.8	3612793	NonCancer	1.78E-04	6.06E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.06E-07	0.00E+00	6.06E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.78E-04
4097	ALL	490371.9	3612802	NonCancer	1.51E-04	5.15E-07	9.53E-05	0.00E+00	0.00E+00	9.53E-05	5.15E-07	0.00E+00	5.15E-07	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00	1.51E-04
4098	ALL	490393.1	3612812	NonCancer	1.44E-04	4.89E-07	9.06E-05	0.00E+00	0.00E+00	9.06E-05	4.89E-07	0.00E+00	4.89E-07	0.00E+00	0.00E+00	9.06E-05	0.00E+00	0.00E+00	1.44E-04
4099	ALL	490424.2	3612842	NonCancer	1.42E-04	4.81E-07	8.91E-05	0.00E+00	0.00E+00	8.91E-05	4.81E-07	0.00E+00	4.81E-07	0.00E+00	0.00E+00	8.91E-05	0.00E+00	0.00E+00	1.42E-04
4100	ALL	490434.1	3612862	NonCancer	1.38E-04	4.69E-07	8.68E-05	0.00E+00	0.00E+00	8.68E-05	4.69E-07	0.00E+00	4.69E-07	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00	1.38E-04
4101	ALL	490444	3612883	NonCancer	1.35E-04	4.58E-07	8.48E-05	0.00E+00	0.00E+00	8.48E-05	4.58E-07	0.00E+00	4.58E-07	0.00E+00	0.00E+00	8.48E-05	0.00E+00	0.00E+00	1.35E-04
4102	ALL	490453.9	3612904	NonCancer	1.32E-04	4.48E-07	8.30E-05	0.00E+00	0.00E+00	8.30E-05	4.48E-07	0.00E+00	4.48E-07	0.00E+00	0.00E+00	8.30E-05	0.00E+00	0.00E+00	1.32E-04
4103	ALL	490463.8	3612925	NonCancer	1.28E-04	4.35E-07	8.05E-05	0.00E+00	0.00E+00	8.05E-05	4.35E-07	0.00E+00	4.35E-07	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	1.28E-04
4104	ALL	490473.7	3612946	NonCancer	1.25E-04	4.25E-07	7.86E-05	0.00E+00	0.00E+00	7.86E-05	4.25E-07	0.00E+00	4.25E-07	0.00E+00	0.00E+00	7.86E-05	0.00E+00	0.00E+00	1.25E-04
4105	ALL	490483.6	3612966	NonCancer	1.24E-04	4.20E-07	7.78E-05	0.00E+00	0.00E+00	7.78E-05	4.20E-07	0.00E+00	4.20E-07	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	1.24E-04
4106	ALL	490493.5	3612987	NonCancer	1.21E-04	4.10E-07	7.60E-05	0.00E+00	0.00E+00	7.60E-05	4.10E-07	0.00E+00	4.10E-07	0.00E+00	0.00E+00	7.60E-05	0.00E+00	0.00E+00	1.21E-04
4107	ALL	490503.5	3613008	NonCancer	1.18E-04	4.01E-07	7.43E-05	0.00E+00	0.00E+00	7.43E-05	4.01E-07	0.00E+00	4.01E-07	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	1.18E-04

4108	ALL	490513.4	3613029	NonCancer	1.19E-04	4.03E-07	7.47E-05	0.00E+00	0.00E+00	7.47E-05	4.03E-07	0.00E+00	4.03E-07	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	1.19E-04
4109	ALL	490523.3	3613050	NonCancer	1.19E-04	4.05E-07	7.50E-05	0.00E+00	0.00E+00	7.50E-05	4.05E-07	0.00E+00	4.05E-07	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	1.19E-04
4110	ALL	490533.2	3613071	NonCancer	1.19E-04	4.06E-07	7.52E-05	0.00E+00	0.00E+00	7.52E-05	4.06E-07	0.00E+00	4.06E-07	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	1.19E-04
4111	ALL	490543.1	3613091	NonCancer	1.19E-04	4.06E-07	7.52E-05	0.00E+00	0.00E+00	7.52E-05	4.06E-07	0.00E+00	4.06E-07	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	1.19E-04
4112	ALL	490553	3613112	NonCancer	1.20E-04	4.08E-07	7.56E-05	0.00E+00	0.00E+00	7.56E-05	4.08E-07	0.00E+00	4.08E-07	0.00E+00	0.00E+00	7.56E-05	0.00E+00	0.00E+00	1.20E-04
4113	ALL	490562.9	3613133	NonCancer	1.20E-04	4.10E-07	7.59E-05	0.00E+00	0.00E+00	7.59E-05	4.10E-07	0.00E+00	4.10E-07	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	1.20E-04
4114	ALL	490572.8	3613154	NonCancer	1.21E-04	4.11E-07	7.61E-05	0.00E+00	0.00E+00	7.61E-05	4.11E-07	0.00E+00	4.11E-07	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	1.21E-04
4115	ALL	490582.7	3613175	NonCancer	1.21E-04	4.11E-07	7.61E-05	0.00E+00	0.00E+00	7.61E-05	4.11E-07	0.00E+00	4.11E-07	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	1.21E-04
4116	ALL	490592.6	3613196	NonCancer	1.21E-04	4.12E-07	7.62E-05	0.00E+00	0.00E+00	7.62E-05	4.12E-07	0.00E+00	4.12E-07	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	1.21E-04
4117	ALL	490602.5	3613216	NonCancer	1.22E-04	4.13E-07	7.65E-05	0.00E+00	0.00E+00	7.65E-05	4.13E-07	0.00E+00	4.13E-07	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	1.22E-04
4118	ALL	490612.4	3613237	NonCancer	1.22E-04	4.15E-07	7.68E-05	0.00E+00	0.00E+00	7.68E-05	4.15E-07	0.00E+00	4.15E-07	0.00E+00	0.00E+00	7.68E-05	0.00E+00	0.00E+00	1.22E-04
4119	ALL	490622.3	3613258	NonCancer	1.22E-04	4.15E-07	7.69E-05	0.00E+00	0.00E+00	7.69E-05	4.15E-07	0.00E+00	4.15E-07	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00	1.22E-04
4120	ALL	490632.2	3613279	NonCancer	1.22E-04	4.16E-07	7.70E-05	0.00E+00	0.00E+00	7.70E-05	4.16E-07	0.00E+00	4.16E-07	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	1.22E-04
4121	ALL	490642.1	3613300	NonCancer	1.23E-04	4.17E-07	7.72E-05	0.00E+00	0.00E+00	7.72E-05	4.17E-07	0.00E+00	4.17E-07	0.00E+00	0.00E+00	7.72E-05	0.00E+00	0.00E+00	1.23E-04
4122	ALL	490652.1	3613320	NonCancer	1.24E-04	4.22E-07	7.81E-05	0.00E+00	0.00E+00	7.81E-05	4.22E-07	0.00E+00	4.22E-07	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	1.24E-04
4123	ALL	490662	3613341	NonCancer	1.30E-04	4.41E-07	8.16E-05	0.00E+00	0.00E+00	8.16E-05	4.41E-07	0.00E+00	4.41E-07	0.00E+00	0.00E+00	8.16E-05	0.00E+00	0.00E+00	1.30E-04
4124	ALL	490671.9	3613362	NonCancer	5.09E-04	1.73E-06	3.21E-04	0.00E+00	0.00E+00	3.21E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	5.09E-04
4125	ALL	490681.8	3613383	NonCancer	5.57E-04	1.89E-06	3.51E-04	0.00E+00	0.00E+00	3.51E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	5.57E-04
4126	ALL	490691.7	3613404	NonCancer	6.27E-04	2.13E-06	3.94E-04	0.00E+00	0.00E+00	3.94E-04	2.13E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	6.27E-04
4127	ALL	490701.6	3613425	NonCancer	6.89E-04	2.34E-06	4.34E-04	0.00E+00	0.00E+00	4.34E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	6.89E-04
4128	ALL	490711.5	3613445	NonCancer	7.12E-04	2.42E-06	4.48E-04	0.00E+00	0.00E+00	4.48E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	7.12E-04
4129	ALL	490721.4	3613466	NonCancer	6.70E-04	2.28E-06	4.22E-04	0.00E+00	0.00E+00	4.22E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	6.70E-04
4130	ALL	490731.3	3613487	NonCancer	6.05E-04	2.06E-06	3.81E-04	0.00E+00	0.00E+00	3.81E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	6.05E-04
4131	ALL	490741.2	3613508	NonCancer	5.88E-04	2.00E-06	3.70E-04	0.00E+00	0.00E+00	3.70E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	5.88E-04
4132	ALL	490751.1	3613529	NonCancer	6.86E-04	2.33E-06	4.32E-04	0.00E+00	0.00E+00	4.32E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	6.86E-04
4133	ALL	490761	3613549	NonCancer	6.90E-04	2.35E-06	4.34E-04	0.00E+00	0.00E+00	4.34E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	6.90E-04
4134	ALL	490770.9	3613570	NonCancer	7.61E-04	2.59E-06	4.79E-04	0.00E+00	0.00E+00	4.79E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	7.61E-04
4135	ALL	490780.8	3613591	NonCancer	8.63E-04	2.93E-06	5.43E-04	0.00E+00	0.00E+00	5.43E-04	2.93E-06	0.00E+00	2.93E-06	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	8.63E-04
4136	ALL	490790.8	3613612	NonCancer	9.55E-04	3.25E-06	6.02E-04	0.00E+00	0.00E+00	6.02E-04	3.25E-06	0.00E+00	3.25E-06	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	9.55E-04
4137	ALL	490800.7	3613633	NonCancer	1.03E-03	3.50E-06	6.48E-04	0.00E+00	0.00E+00	6.48E-04	3.50E-06	0.00E+00	3.50E-06	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	1.03E-03
4138	ALL	490810.6	3613654	NonCancer	1.08E-03	3.68E-06	6.81E-04	0.00E+00	0.00E+00	6.81E-04	3.68E-06	0.00E+00	3.68E-06	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	1.08E-03
4139	ALL	490820.5	3613674	NonCancer	1.09E-03	3.70E-06	6.85E-04	0.00E+00	0.00E+00	6.85E-04	3.70E-06	0.00E+00	3.70E-06	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00	1.09E-03
4140	ALL	490830.4	3613695	NonCancer	1.07E-03	3.65E-06	6.75E-04	0.00E+00	0.00E+00	6.75E-04	3.65E-06	0.00E+00	3.65E-06	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	1.07E-03
4141	ALL	490840.3	3613716	NonCancer	1.01E-03	3.45E-06	6.39E-04	0.00E+00	0.00E+00	6.39E-04	3.45E-06	0.00E+00	3.45E-06	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	1.01E-03
4142	ALL	490850.2	3613737	NonCancer	9.28E-04	3.15E-06	5.84E-04	0.00E+00	0.00E+00	5.84E-04	3.15E-06	0.00E+00	3.15E-06	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	9.28E-04
4143	ALL	490860.1	3613758	NonCancer	8.99E-04	3.06E-06	5.66E-04	0.00E+00	0.00E+00	5.66E-04	3.06E-06	0.00E+00	3.06E-06	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	8.99E-04
4144	ALL	490870	3613779	NonCancer	9.23E-04	3.14E-06	5.81E-04	0.00E+00	0.00E+00	5.81E-04	3.14E-06	0.00E+00	3.14E-06	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	9.23E-04
4145	ALL	490879.9	3613799	NonCancer	9.13E-04	3.10E-06	5.75E-04	0.00E+00	0.00E+00	5.75E-04	3.10E-06	0.00E+00	3.10E-06	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	9.13E-04
4146	ALL	490929.4	3613903	NonCancer	8.50E-04	2.89E-06	5.35E-04	0.00E+00	0.00E+00	5.35E-04	2.89E-06	0.00E+00	2.89E-06	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	8.50E-04
4147	ALL	490939.4	3613924	NonCancer	9.28E-04	3.16E-06	5.84E-04	0.00E+00	0.00E+00	5.84E-04	3.16E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	9.28E-04
4148	ALL	490949.3	3613945	NonCancer	9.69E-04	3.30E-06	6.10E-04	0.00E+00	0.00E+00	6.10E-04	3.30E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	9.69E-04
4149	ALL	489249.5	3612319	NonCancer	6.73E-04	2.29E-06	4.24E-04	0.00E+00	0.00E+00	4.24E-04	2.29E-06	0.00E+00	2.29E-06	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	6.73E-04
4150	ALL	489226.4	3612318	NonCancer	6.83E-04	2.32E-06	4.30E-04	0.00E+00	0.00E+00	4.30E-04	2.32E-06	0.00E+00	2.32E-06	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	6.83E-04
4151	ALL	489203.4	3612317	NonCancer	6.96E-04	2.37E-06	4.38E-04	0.00E+00	0.00E+00	4.38E-04	2.37E-06	0.00E+00	2.37E-06	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	6.96E-04
4152	ALL	489180.3	3612316	NonCancer	6.89E-04	2.34E-06	4.34E-04	0.00E+00	0.00E+00	4.34E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	6.89E-04
4153	ALL	489157.2	3612315	NonCancer	6.63E-04	2.25E-06	4.17E-04	0.00E+00	0.00E+00	4.17E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	6.63E-04
4154	ALL	489289.1	3611928	NonCancer	5.27E-04	1.79E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.27E-04
4155	ALL	489310	3611938	NonCancer	5.22E-04	1.78E-06	3.29E-04	0.00E+00	0.00E+00	3.29E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	5.22E-04
4156	ALL	489331	3611947	NonCancer	5.06E-04	1.72E-06	3.19E-04	0.00E+00	0.00E+00	3.19E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.06E-04
4157	ALL	489351.9	3611956	NonCancer	4.79E-04	1.63E-06	3.02E-04	0.00E+00	0.00E+00	3.02E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	4.79E-04
4158	ALL	489372.9	3611965	NonCancer	4.59E-04	1.56E-06	2.89E-04	0.00E+00	0.00E+00	2.89E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	4.59E-04
4159	ALL	489393.8	3611974	NonCancer	4.40E-04	1.50E-06	2.77E-04	0.00E+00	0.00E+00	2.77E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	4.40E-04

4160	ALL	489414.7	3611983	NonCancer	4.14E-04	1.41E-06	2.61E-04	0.00E+00	0.00E+00	2.61E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	4.14E-04
4161	ALL	489435.7	3611992	NonCancer	4.15E-04	1.41E-06	2.61E-04	0.00E+00	0.00E+00	2.61E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	4.15E-04
4162	ALL	489456.6	3612001	NonCancer	4.15E-04	1.41E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.15E-04
4163	ALL	489477.5	3612010	NonCancer	4.31E-04	1.47E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.31E-04
4164	ALL	489498.5	3612019	NonCancer	4.44E-04	1.51E-06	2.80E-04	0.00E+00	0.00E+00	2.80E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	4.44E-04
4165	ALL	489519.4	3612028	NonCancer	4.83E-04	1.64E-06	3.04E-04	0.00E+00	0.00E+00	3.04E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	4.83E-04
4166	ALL	489540.3	3612037	NonCancer	5.14E-04	1.75E-06	3.24E-04	0.00E+00	0.00E+00	3.24E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	5.14E-04
4167	ALL	489561.3	3612046	NonCancer	5.37E-04	1.83E-06	3.38E-04	0.00E+00	0.00E+00	3.38E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	5.37E-04
4168	ALL	489582.2	3612055	NonCancer	5.49E-04	1.87E-06	3.45E-04	0.00E+00	0.00E+00	3.45E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	5.49E-04
4169	ALL	489603.1	3612064	NonCancer	5.49E-04	1.87E-06	3.46E-04	0.00E+00	0.00E+00	3.46E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	5.49E-04
4170	ALL	489624.1	3612073	NonCancer	5.38E-04	1.83E-06	3.39E-04	0.00E+00	0.00E+00	3.39E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	5.38E-04
4171	ALL	489645	3612082	NonCancer	5.16E-04	1.75E-06	3.25E-04	0.00E+00	0.00E+00	3.25E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	5.16E-04
4172	ALL	489666	3612091	NonCancer	4.85E-04	1.65E-06	3.05E-04	0.00E+00	0.00E+00	3.05E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	4.85E-04
4173	ALL	489686.9	3612100	NonCancer	4.71E-04	1.60E-06	2.97E-04	0.00E+00	0.00E+00	2.97E-04	1.60E-06	0.00E+00	1.60E-06	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	4.71E-04
4174	ALL	489707.8	3612109	NonCancer	4.90E-04	1.67E-06	3.08E-04	0.00E+00	0.00E+00	3.08E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	4.90E-04
4175	ALL	489728.8	3612118	NonCancer	4.99E-04	1.70E-06	3.14E-04	0.00E+00	0.00E+00	3.14E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	4.99E-04
4176	ALL	489749.7	3612127	NonCancer	4.98E-04	1.69E-06	3.13E-04	0.00E+00	0.00E+00	3.13E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	4.98E-04
4177	ALL	489770.6	3612136	NonCancer	5.24E-04	1.78E-06	3.30E-04	0.00E+00	0.00E+00	3.30E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	5.24E-04
4178	ALL	489791.6	3612145	NonCancer	5.39E-04	1.83E-06	3.39E-04	0.00E+00	0.00E+00	3.39E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	5.39E-04
4179	ALL	489812.5	3612154	NonCancer	5.51E-04	1.87E-06	3.47E-04	0.00E+00	0.00E+00	3.47E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	5.51E-04
4180	ALL	489833.4	3612163	NonCancer	5.63E-04	1.91E-06	3.54E-04	0.00E+00	0.00E+00	3.54E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	5.63E-04
4181	ALL	489854.4	3612172	NonCancer	5.61E-04	1.91E-06	3.53E-04	0.00E+00	0.00E+00	3.53E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	5.61E-04
4182	ALL	489875.3	3612181	NonCancer	5.47E-04	1.86E-06	3.44E-04	0.00E+00	0.00E+00	3.44E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	5.47E-04
4183	ALL	489896.2	3612190	NonCancer	5.21E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.21E-04
4184	ALL	489917.2	3612199	NonCancer	4.95E-04	1.68E-06	3.12E-04	0.00E+00	0.00E+00	3.12E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	4.95E-04
4185	ALL	489938.1	3612208	NonCancer	5.12E-04	1.74E-06	3.22E-04	0.00E+00	0.00E+00	3.22E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.12E-04
4186	ALL	489959.1	3612217	NonCancer	5.30E-04	1.80E-06	3.34E-04	0.00E+00	0.00E+00	3.34E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	5.30E-04
4187	ALL	489980	3612226	NonCancer	5.37E-04	1.83E-06	3.38E-04	0.00E+00	0.00E+00	3.38E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	5.37E-04
4188	ALL	490000.9	3612235	NonCancer	5.32E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.32E-04
4189	ALL	490021.9	3612244	NonCancer	5.14E-04	1.75E-06	3.24E-04	0.00E+00	0.00E+00	3.24E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	5.14E-04
4190	ALL	490042.8	3612253	NonCancer	5.16E-04	1.75E-06	3.25E-04	0.00E+00	0.00E+00	3.25E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	5.16E-04
4191	ALL	490063.7	3612262	NonCancer	5.35E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.35E-04
4192	ALL	490084.7	3612271	NonCancer	5.42E-04	1.84E-06	3.41E-04	0.00E+00	0.00E+00	3.41E-04	1.84E-06	0.00E+00	1.84E-06	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	5.42E-04
4193	ALL	490105.6	3612280	NonCancer	5.36E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.36E-04
4194	ALL	490126.5	3612289	NonCancer	5.17E-04	1.76E-06	3.26E-04	0.00E+00	0.00E+00	3.26E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	5.17E-04
4195	ALL	490147.5	3612298	NonCancer	4.87E-04	1.66E-06	3.07E-04	0.00E+00	0.00E+00	3.07E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	4.87E-04
4196	ALL	490168.4	3612307	NonCancer	4.75E-04	1.61E-06	2.99E-04	0.00E+00	0.00E+00	2.99E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	4.75E-04
4197	ALL	490189.3	3612316	NonCancer	4.63E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.63E-04
4198	ALL	490210.3	3612325	NonCancer	4.41E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.41E-04
4199	ALL	490231.2	3612334	NonCancer	4.12E-04	1.40E-06	2.60E-04	0.00E+00	0.00E+00	2.60E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	4.12E-04
4200	ALL	490252.2	3612343	NonCancer	3.77E-04	1.28E-06	2.37E-04	0.00E+00	0.00E+00	2.37E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	3.77E-04
4201	ALL	490273.1	3612352	NonCancer	3.36E-04	1.14E-06	2.12E-04	0.00E+00	0.00E+00	2.12E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	3.36E-04
4202	ALL	490294	3612361	NonCancer	3.22E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.22E-04
4203	ALL	490315	3612370	NonCancer	3.24E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.24E-04
4204	ALL	490335.9	3612379	NonCancer	3.33E-04	1.13E-06	2.10E-04	0.00E+00	0.00E+00	2.10E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	3.33E-04
4205	ALL	490356.8	3612388	NonCancer	3.38E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.38E-04
4206	ALL	490377.8	3612397	NonCancer	3.45E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.45E-04
4207	ALL	490398.7	3612406	NonCancer	3.35E-04	1.14E-06	2.11E-04	0.00E+00	0.00E+00	2.11E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	3.35E-04
4208	ALL	490419.6	3612415	NonCancer	1.08E-03	3.66E-06	6.79E-04	0.00E+00	0.00E+00	6.79E-04	3.66E-06	0.00E+00	3.66E-06	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	1.08E-03
4209	ALL	490440.6	3612424	NonCancer	7.69E-04	2.61E-06	4.84E-04	0.00E+00	0.00E+00	4.84E-04	2.61E-06	0.00E+00	2.61E-06	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	7.69E-04
4210	ALL	490461.5	3612433	NonCancer	2.97E-04	1.01E-06	1.87E-04	0.00E+00	0.00E+00	1.87E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	2.97E-04
4211	ALL	490482.4	3612442	NonCancer	2.72E-04	9.25E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.25E-07	0.00E+00	9.25E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.72E-04

4212	ALL	490503.4	3612451	NonCancer	2.49E-04	8.46E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.46E-07	0.00E+00	8.46E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.49E-04
4213	ALL	490524.3	3612460	NonCancer	2.25E-04	7.65E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.65E-07	0.00E+00	7.65E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.25E-04
4214	ALL	490545.2	3612470	NonCancer	2.01E-04	6.82E-07	1.26E-04	0.00E+00	0.00E+00	1.26E-04	6.82E-07	0.00E+00	6.82E-07	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	2.01E-04
4215	ALL	490566.2	3612479	NonCancer	1.77E-04	6.00E-07	1.11E-04	0.00E+00	0.00E+00	1.11E-04	6.00E-07	0.00E+00	6.00E-07	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	1.77E-04
4216	ALL	490587.1	3612488	NonCancer	1.53E-04	5.20E-07	9.62E-05	0.00E+00	0.00E+00	9.62E-05	5.20E-07	0.00E+00	5.20E-07	0.00E+00	0.00E+00	9.62E-05	0.00E+00	0.00E+00	1.53E-04
4217	ALL	490608.1	3612497	NonCancer	1.31E-04	4.46E-07	8.26E-05	0.00E+00	0.00E+00	8.26E-05	4.46E-07	0.00E+00	4.46E-07	0.00E+00	0.00E+00	8.26E-05	0.00E+00	0.00E+00	1.31E-04
4218	ALL	490629	3612506	NonCancer	1.23E-04	4.19E-07	7.76E-05	0.00E+00	0.00E+00	7.76E-05	4.19E-07	0.00E+00	4.19E-07	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	1.23E-04
4219	ALL	490649.9	3612515	NonCancer	1.24E-04	4.23E-07	7.84E-05	0.00E+00	0.00E+00	7.84E-05	4.23E-07	0.00E+00	4.23E-07	0.00E+00	0.00E+00	7.84E-05	0.00E+00	0.00E+00	1.24E-04
4220	ALL	490670.9	3612524	NonCancer	1.24E-04	4.23E-07	7.83E-05	0.00E+00	0.00E+00	7.83E-05	4.23E-07	0.00E+00	4.23E-07	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	1.24E-04
4221	ALL	490701.6	3612553	NonCancer	1.21E-04	4.12E-07	7.63E-05	0.00E+00	0.00E+00	7.63E-05	4.12E-07	0.00E+00	4.12E-07	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00	1.21E-04
4222	ALL	490711.4	3612574	NonCancer	1.19E-04	4.06E-07	7.52E-05	0.00E+00	0.00E+00	7.52E-05	4.06E-07	0.00E+00	4.06E-07	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	1.19E-04
4223	ALL	490721.2	3612594	NonCancer	1.18E-04	4.01E-07	7.42E-05	0.00E+00	0.00E+00	7.42E-05	4.01E-07	0.00E+00	4.01E-07	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	1.18E-04
4224	ALL	490731	3612615	NonCancer	1.16E-04	3.93E-07	7.28E-05	0.00E+00	0.00E+00	7.28E-05	3.93E-07	0.00E+00	3.93E-07	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	1.16E-04
4225	ALL	490740.8	3612636	NonCancer	1.13E-04	3.83E-07	7.09E-05	0.00E+00	0.00E+00	7.09E-05	3.83E-07	0.00E+00	3.83E-07	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	1.13E-04
4226	ALL	490750.6	3612656	NonCancer	1.10E-04	3.74E-07	6.92E-05	0.00E+00	0.00E+00	6.92E-05	3.74E-07	0.00E+00	3.74E-07	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	1.10E-04
4227	ALL	490760.4	3612677	NonCancer	1.09E-04	3.69E-07	6.84E-05	0.00E+00	0.00E+00	6.84E-05	3.69E-07	0.00E+00	3.69E-07	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00	1.09E-04
4228	ALL	490770.1	3612697	NonCancer	1.07E-04	3.63E-07	6.72E-05	0.00E+00	0.00E+00	6.72E-05	3.63E-07	0.00E+00	3.63E-07	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00	1.07E-04
4229	ALL	490779.9	3612718	NonCancer	1.03E-04	3.51E-07	6.49E-05	0.00E+00	0.00E+00	6.49E-05	3.51E-07	0.00E+00	3.51E-07	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00	1.03E-04
4230	ALL	490789.7	3612738	NonCancer	9.92E-05	3.37E-07	6.24E-05	0.00E+00	0.00E+00	6.24E-05	3.37E-07	0.00E+00	3.37E-07	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	9.92E-05
4231	ALL	490799.5	3612759	NonCancer	9.45E-05	3.21E-07	5.95E-05	0.00E+00	0.00E+00	5.95E-05	3.21E-07	0.00E+00	3.21E-07	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	9.45E-05
4232	ALL	490809.3	3612780	NonCancer	8.90E-05	3.03E-07	5.61E-05	0.00E+00	0.00E+00	5.61E-05	3.03E-07	0.00E+00	3.03E-07	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	8.90E-05
4233	ALL	490819.1	3612800	NonCancer	8.52E-05	2.90E-07	5.36E-05	0.00E+00	0.00E+00	5.36E-05	2.90E-07	0.00E+00	2.90E-07	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	8.52E-05
4234	ALL	490828.9	3612821	NonCancer	8.63E-05	2.93E-07	5.43E-05	0.00E+00	0.00E+00	5.43E-05	2.93E-07	0.00E+00	2.93E-07	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00	8.63E-05
4235	ALL	490838.7	3612841	NonCancer	8.76E-05	2.98E-07	5.52E-05	0.00E+00	0.00E+00	5.52E-05	2.98E-07	0.00E+00	2.98E-07	0.00E+00	0.00E+00	5.52E-05	0.00E+00	0.00E+00	8.76E-05
4236	ALL	490848.5	3612862	NonCancer	8.78E-05	2.99E-07	5.53E-05	0.00E+00	0.00E+00	5.53E-05	2.99E-07	0.00E+00	2.99E-07	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	8.78E-05
4237	ALL	490858.3	3612883	NonCancer	8.79E-05	2.99E-07	5.54E-05	0.00E+00	0.00E+00	5.54E-05	2.99E-07	0.00E+00	2.99E-07	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	8.79E-05
4238	ALL	490868.1	3612903	NonCancer	8.85E-05	3.01E-07	5.57E-05	0.00E+00	0.00E+00	5.57E-05	3.01E-07	0.00E+00	3.01E-07	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	8.85E-05
4239	ALL	490877.9	3612924	NonCancer	8.87E-05	3.01E-07	5.58E-05	0.00E+00	0.00E+00	5.58E-05	3.01E-07	0.00E+00	3.01E-07	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	8.87E-05
4240	ALL	490887.7	3612944	NonCancer	8.92E-05	3.03E-07	5.61E-05	0.00E+00	0.00E+00	5.61E-05	3.03E-07	0.00E+00	3.03E-07	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	8.92E-05
4241	ALL	490897.5	3612965	NonCancer	8.96E-05	3.05E-07	5.64E-05	0.00E+00	0.00E+00	5.64E-05	3.05E-07	0.00E+00	3.05E-07	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	8.96E-05
4242	ALL	490907.3	3612985	NonCancer	8.99E-05	3.06E-07	5.66E-05	0.00E+00	0.00E+00	5.66E-05	3.06E-07	0.00E+00	3.06E-07	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	8.99E-05
4243	ALL	490917	3613006	NonCancer	9.02E-05	3.07E-07	5.68E-05	0.00E+00	0.00E+00	5.68E-05	3.07E-07	0.00E+00	3.07E-07	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	9.02E-05
4244	ALL	490926.8	3613027	NonCancer	9.04E-05	3.07E-07	5.69E-05	0.00E+00	0.00E+00	5.69E-05	3.07E-07	0.00E+00	3.07E-07	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	9.04E-05
4245	ALL	490936.6	3613047	NonCancer	9.06E-05	3.08E-07	5.70E-05	0.00E+00	0.00E+00	5.70E-05	3.08E-07	0.00E+00	3.08E-07	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00	9.06E-05
4246	ALL	490946.4	3613068	NonCancer	9.07E-05	3.08E-07	5.71E-05	0.00E+00	0.00E+00	5.71E-05	3.08E-07	0.00E+00	3.08E-07	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	9.07E-05
4247	ALL	490956.2	3613088	NonCancer	9.10E-05	3.09E-07	5.73E-05	0.00E+00	0.00E+00	5.73E-05	3.09E-07	0.00E+00	3.09E-07	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00	9.10E-05
4248	ALL	490966	3613109	NonCancer	9.46E-05	3.22E-07	5.95E-05	0.00E+00	0.00E+00	5.95E-05	3.22E-07	0.00E+00	3.22E-07	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	9.46E-05
4249	ALL	490975.8	3613130	NonCancer	9.91E-05	3.37E-07	6.24E-05	0.00E+00	0.00E+00	6.24E-05	3.37E-07	0.00E+00	3.37E-07	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	9.91E-05
4250	ALL	490985.6	3613150	NonCancer	1.04E-04	3.53E-07	6.54E-05	0.00E+00	0.00E+00	6.54E-05	3.53E-07	0.00E+00	3.53E-07	0.00E+00	0.00E+00	6.54E-05	0.00E+00	0.00E+00	1.04E-04
4251	ALL	490995.4	3613171	NonCancer	1.09E-04	3.70E-07	6.85E-05	0.00E+00	0.00E+00	6.85E-05	3.70E-07	0.00E+00	3.70E-07	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	1.09E-04
4252	ALL	491005.2	3613191	NonCancer	1.14E-04	3.87E-07	7.16E-05	0.00E+00	0.00E+00	7.16E-05	3.87E-07	0.00E+00	3.87E-07	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	1.14E-04
4253	ALL	491015	3613212	NonCancer	1.18E-04	4.00E-07	7.41E-05	0.00E+00	0.00E+00	7.41E-05	4.00E-07	0.00E+00	4.00E-07	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	1.18E-04
4254	ALL	491024.8	3613232	NonCancer	5.71E-04	1.94E-06	3.59E-04	0.00E+00	0.00E+00	3.59E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	5.71E-04
4255	ALL	491034.6	3613253	NonCancer	6.93E-04	2.36E-06	4.37E-04	0.00E+00	0.00E+00	4.37E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	6.93E-04
4256	ALL	491044.4	3613274	NonCancer	6.90E-04	2.35E-06	4.34E-04	0.00E+00	0.00E+00	4.34E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	6.90E-04
4257	ALL	491054.2	3613294	NonCancer	6.79E-04	2.31E-06	4.28E-04	0.00E+00	0.00E+00	4.28E-04	2.31E-06	0.00E+00	2.31E-06	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	6.79E-04
4258	ALL	491063.9	3613315	NonCancer	7.27E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.27E-04
4259	ALL	491073.7	3613335	NonCancer	7.48E-04	2.54E-06	4.71E-04	0.00E+00	0.00E+00	4.71E-04	2.54E-06	0.00E+00	2.54E-06	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	7.48E-04
4260	ALL	491083.5	3613356	NonCancer	7.74E-04	2.63E-06	4.87E-04	0.00E+00	0.00E+00	4.87E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	7.74E-04
4261	ALL	491093.3	3613377	NonCancer	7.49E-04	2.55E-06	4.71E-04	0.00E+00	0.00E+00	4.71E-04	2.55E-06	0.00E+00	2.55E-06	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	7.49E-04
4262	ALL	491103.1	3613397	NonCancer	6.86E-04	2.33E-06	4.32E-04	0.00E+00	0.00E+00	4.32E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	6.86E-04
4263	ALL	491112.9	3613418	NonCancer	6.10E-04	2.08E-06	3.84E-04	0.00E+00	0.00E+00	3.84E-04	2.08E-06	0.00E+00	2.08E-06	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	6.10E-04

4264	ALL	491122.7	3613438	NonCancer	6.19E-04	2.11E-06	3.90E-04	0.00E+00	0.00E+00	3.90E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	6.19E-04
4265	ALL	491132.5	3613459	NonCancer	7.00E-04	2.38E-06	4.41E-04	0.00E+00	0.00E+00	4.41E-04	2.38E-06	0.00E+00	2.38E-06	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	7.00E-04
4266	ALL	491142.3	3613479	NonCancer	7.69E-04	2.61E-06	4.84E-04	0.00E+00	0.00E+00	4.84E-04	2.61E-06	0.00E+00	2.61E-06	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	7.69E-04
4267	ALL	491152.1	3613500	NonCancer	8.24E-04	2.80E-06	5.19E-04	0.00E+00	0.00E+00	5.19E-04	2.80E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	8.24E-04
4268	ALL	491161.9	3613521	NonCancer	8.64E-04	2.94E-06	5.44E-04	0.00E+00	0.00E+00	5.44E-04	2.94E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	8.64E-04
4269	ALL	491171.7	3613541	NonCancer	8.84E-04	3.01E-06	5.57E-04	0.00E+00	0.00E+00	5.57E-04	3.01E-06	0.00E+00	3.01E-06	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	8.84E-04
4270	ALL	491181.5	3613562	NonCancer	8.82E-04	3.00E-06	5.56E-04	0.00E+00	0.00E+00	5.56E-04	3.00E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	8.82E-04
4271	ALL	491191.3	3613582	NonCancer	8.59E-04	2.92E-06	5.41E-04	0.00E+00	0.00E+00	5.41E-04	2.92E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	8.59E-04
4272	ALL	491201.1	3613603	NonCancer	8.14E-04	2.77E-06	5.12E-04	0.00E+00	0.00E+00	5.12E-04	2.77E-06	0.00E+00	2.77E-06	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	8.14E-04
4273	ALL	491210.9	3613624	NonCancer	7.50E-04	2.55E-06	4.72E-04	0.00E+00	0.00E+00	4.72E-04	2.55E-06	0.00E+00	2.55E-06	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	7.50E-04
4274	ALL	491220.6	3613644	NonCancer	7.13E-04	2.42E-06	4.49E-04	0.00E+00	0.00E+00	4.49E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	7.13E-04
4275	ALL	491230.4	3613665	NonCancer	7.47E-04	2.54E-06	4.70E-04	0.00E+00	0.00E+00	4.70E-04	2.54E-06	0.00E+00	2.54E-06	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	7.47E-04
4276	ALL	491240.2	3613685	NonCancer	7.59E-04	2.58E-06	4.78E-04	0.00E+00	0.00E+00	4.78E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	7.59E-04
4277	ALL	491250	3613706	NonCancer	7.48E-04	2.54E-06	4.71E-04	0.00E+00	0.00E+00	4.71E-04	2.54E-06	0.00E+00	2.54E-06	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	7.48E-04
4278	ALL	491259.8	3613726	NonCancer	7.15E-04	2.43E-06	4.50E-04	0.00E+00	0.00E+00	4.50E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	7.15E-04
4279	ALL	491308.8	3613829	NonCancer	6.61E-04	2.25E-06	4.16E-04	0.00E+00	0.00E+00	4.16E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	6.61E-04
4280	ALL	491318.6	3613850	NonCancer	7.29E-04	2.48E-06	4.59E-04	0.00E+00	0.00E+00	4.59E-04	2.48E-06	0.00E+00	2.48E-06	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	7.29E-04
4281	ALL	491328.4	3613871	NonCancer	7.71E-04	2.62E-06	4.86E-04	0.00E+00	0.00E+00	4.86E-04	2.62E-06	0.00E+00	2.62E-06	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	7.71E-04
4282	ALL	491338.2	3613891	NonCancer	7.87E-04	2.68E-06	4.95E-04	0.00E+00	0.00E+00	4.95E-04	2.68E-06	0.00E+00	2.68E-06	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	7.87E-04
4283	ALL	491348	3613912	NonCancer	7.74E-04	2.63E-06	4.88E-04	0.00E+00	0.00E+00	4.88E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	7.74E-04
4284	ALL	489268.2	3611919	NonCancer	5.19E-04	1.77E-06	3.27E-04	0.00E+00	0.00E+00	3.27E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	5.19E-04
4285	ALL	489245.1	3611918	NonCancer	5.21E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.21E-04
4286	ALL	489222	3611917	NonCancer	5.34E-04	1.82E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.34E-04
4287	ALL	489199	3611916	NonCancer	5.36E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.36E-04
4288	ALL	489175.9	3611915	NonCancer	5.26E-04	1.79E-06	3.31E-04	0.00E+00	0.00E+00	3.31E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	5.26E-04
4289	ALL	489307.9	3611529	NonCancer	4.20E-04	1.43E-06	2.64E-04	0.00E+00	0.00E+00	2.64E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.20E-04
4290	ALL	489328.9	3611538	NonCancer	4.17E-04	1.42E-06	2.63E-04	0.00E+00	0.00E+00	2.63E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	4.17E-04
4291	ALL	489349.9	3611547	NonCancer	4.08E-04	1.39E-06	2.57E-04	0.00E+00	0.00E+00	2.57E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	4.08E-04
4292	ALL	489371	3611556	NonCancer	3.91E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.91E-04
4293	ALL	489392	3611565	NonCancer	3.71E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.71E-04
4294	ALL	489413	3611574	NonCancer	3.60E-04	1.23E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.60E-04
4295	ALL	489434.1	3611583	NonCancer	3.45E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.45E-04
4296	ALL	489455.1	3611592	NonCancer	3.26E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.26E-04
4297	ALL	489476.1	3611601	NonCancer	3.28E-04	1.12E-06	2.07E-04	0.00E+00	0.00E+00	2.07E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	3.28E-04
4298	ALL	489497.1	3611610	NonCancer	3.30E-04	1.12E-06	2.08E-04	0.00E+00	0.00E+00	2.08E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	3.30E-04
4299	ALL	489518.2	3611620	NonCancer	3.33E-04	1.13E-06	2.10E-04	0.00E+00	0.00E+00	2.10E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	3.33E-04
4300	ALL	489539.2	3611629	NonCancer	3.45E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.45E-04
4301	ALL	489560.2	3611638	NonCancer	3.53E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.53E-04
4302	ALL	489581.3	3611647	NonCancer	3.80E-04	1.29E-06	2.40E-04	0.00E+00	0.00E+00	2.40E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	3.80E-04
4303	ALL	489602.3	3611656	NonCancer	4.04E-04	1.37E-06	2.54E-04	0.00E+00	0.00E+00	2.54E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	4.04E-04
4304	ALL	489623.3	3611665	NonCancer	4.22E-04	1.43E-06	2.66E-04	0.00E+00	0.00E+00	2.66E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	4.22E-04
4305	ALL	489644.4	3611674	NonCancer	4.33E-04	1.47E-06	2.73E-04	0.00E+00	0.00E+00	2.73E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	4.33E-04
4306	ALL	489665.4	3611683	NonCancer	4.37E-04	1.49E-06	2.75E-04	0.00E+00	0.00E+00	2.75E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	4.37E-04
4307	ALL	489686.4	3611692	NonCancer	4.34E-04	1.48E-06	2.73E-04	0.00E+00	0.00E+00	2.73E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	4.34E-04
4308	ALL	489707.5	3611701	NonCancer	4.24E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.24E-04
4309	ALL	489728.5	3611710	NonCancer	4.07E-04	1.38E-06	2.56E-04	0.00E+00	0.00E+00	2.56E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	4.07E-04
4310	ALL	489749.5	3611719	NonCancer	3.83E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.83E-04
4311	ALL	489770.5	3611728	NonCancer	3.68E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.68E-04
4312	ALL	489791.6	3611737	NonCancer	3.83E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.83E-04
4313	ALL	489812.6	3611746	NonCancer	3.94E-04	1.34E-06	2.48E-04	0.00E+00	0.00E+00	2.48E-04	1.34E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	3.94E-04
4314	ALL	489833.6	3611755	NonCancer	3.97E-04	1.35E-06	2.50E-04	0.00E+00	0.00E+00	2.50E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	3.97E-04
4315	ALL	489854.7	3611764	NonCancer	3.97E-04	1.35E-06	2.50E-04	0.00E+00	0.00E+00	2.50E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	3.97E-04

4316	ALL	489875.7	3611774	NonCancer	4.16E-04	1.42E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.16E-04
4317	ALL	489896.7	3611783	NonCancer	4.28E-04	1.46E-06	2.70E-04	0.00E+00	0.00E+00	2.70E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	4.28E-04
4318	ALL	489917.8	3611792	NonCancer	4.34E-04	1.47E-06	2.73E-04	0.00E+00	0.00E+00	2.73E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	4.34E-04
4319	ALL	489938.8	3611801	NonCancer	4.45E-04	1.51E-06	2.80E-04	0.00E+00	0.00E+00	2.80E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	4.45E-04
4320	ALL	489959.8	3611810	NonCancer	4.49E-04	1.53E-06	2.82E-04	0.00E+00	0.00E+00	2.82E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	4.49E-04
4321	ALL	489980.9	3611819	NonCancer	4.44E-04	1.51E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.44E-04
4322	ALL	490001.9	3611828	NonCancer	4.31E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.31E-04
4323	ALL	490022.9	3611837	NonCancer	4.11E-04	1.40E-06	2.59E-04	0.00E+00	0.00E+00	2.59E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	4.11E-04
4324	ALL	490043.9	3611846	NonCancer	3.96E-04	1.35E-06	2.49E-04	0.00E+00	0.00E+00	2.49E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	3.96E-04
4325	ALL	490065	3611855	NonCancer	4.02E-04	1.37E-06	2.53E-04	0.00E+00	0.00E+00	2.53E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	4.02E-04
4326	ALL	490086	3611864	NonCancer	4.18E-04	1.42E-06	2.63E-04	0.00E+00	0.00E+00	2.63E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	4.18E-04
4327	ALL	490107	3611873	NonCancer	4.28E-04	1.45E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.28E-04
4328	ALL	490128.1	3611882	NonCancer	4.29E-04	1.46E-06	2.70E-04	0.00E+00	0.00E+00	2.70E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	4.29E-04
4329	ALL	490149.1	3611891	NonCancer	4.22E-04	1.44E-06	2.66E-04	0.00E+00	0.00E+00	2.66E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	4.22E-04
4330	ALL	490170.1	3611900	NonCancer	4.09E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.09E-04
4331	ALL	490191.2	3611909	NonCancer	4.07E-04	1.39E-06	2.57E-04	0.00E+00	0.00E+00	2.57E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	4.07E-04
4332	ALL	490212.2	3611918	NonCancer	4.23E-04	1.44E-06	2.66E-04	0.00E+00	0.00E+00	2.66E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	4.23E-04
4333	ALL	490233.2	3611928	NonCancer	4.31E-04	1.47E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.31E-04
4334	ALL	490254.3	3611937	NonCancer	4.31E-04	1.46E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.31E-04
4335	ALL	490275.3	3611946	NonCancer	4.22E-04	1.43E-06	2.65E-04	0.00E+00	0.00E+00	2.65E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	4.22E-04
4336	ALL	490296.3	3611955	NonCancer	4.06E-04	1.38E-06	2.56E-04	0.00E+00	0.00E+00	2.56E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	4.06E-04
4337	ALL	490317.3	3611964	NonCancer	3.83E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.83E-04
4338	ALL	490338.4	3611973	NonCancer	3.81E-04	1.29E-06	2.40E-04	0.00E+00	0.00E+00	2.40E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	3.81E-04
4339	ALL	490359.4	3611982	NonCancer	3.73E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.73E-04
4340	ALL	490380.4	3611991	NonCancer	3.59E-04	1.22E-06	2.26E-04	0.00E+00	0.00E+00	2.26E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	3.59E-04
4341	ALL	490401.5	3612000	NonCancer	3.39E-04	1.15E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.39E-04
4342	ALL	490422.5	3612009	NonCancer	3.15E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.15E-04
4343	ALL	490443.5	3612018	NonCancer	2.88E-04	9.78E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.78E-07	0.00E+00	9.78E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.88E-04
4344	ALL	490464.6	3612027	NonCancer	2.59E-04	8.82E-07	1.63E-04	0.00E+00	0.00E+00	1.63E-04	8.82E-07	0.00E+00	8.82E-07	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	2.59E-04
4345	ALL	490485.6	3612036	NonCancer	2.73E-04	9.27E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.27E-07	0.00E+00	9.27E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.73E-04
4346	ALL	490506.6	3612045	NonCancer	2.84E-04	9.65E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.65E-07	0.00E+00	9.65E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.84E-04
4347	ALL	490527.7	3612054	NonCancer	2.98E-04	1.01E-06	1.87E-04	0.00E+00	0.00E+00	1.87E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	2.98E-04
4348	ALL	490548.7	3612063	NonCancer	3.02E-04	1.03E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.02E-04
4349	ALL	490569.7	3612072	NonCancer	3.05E-04	1.04E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.05E-04
4350	ALL	490590.7	3612082	NonCancer	3.07E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.07E-04
4351	ALL	490611.8	3612091	NonCancer	3.05E-04	1.04E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.05E-04
4352	ALL	490632.8	3612100	NonCancer	2.99E-04	1.02E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.99E-04
4353	ALL	490653.8	3612109	NonCancer	4.80E-04	1.63E-06	3.02E-04	0.00E+00	0.00E+00	3.02E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	4.80E-04
4354	ALL	490674.9	3612118	NonCancer	5.31E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.31E-04
4355	ALL	490695.9	3612127	NonCancer	6.39E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.39E-04
4356	ALL	490716.9	3612136	NonCancer	8.51E-04	2.89E-06	5.36E-04	0.00E+00	0.00E+00	5.36E-04	2.89E-06	0.00E+00	2.89E-06	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	8.51E-04
4357	ALL	490738	3612145	NonCancer	8.53E-04	2.90E-06	5.37E-04	0.00E+00	0.00E+00	5.37E-04	2.90E-06	0.00E+00	2.90E-06	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	8.53E-04
4358	ALL	490759	3612154	NonCancer	8.40E-04	2.86E-06	5.29E-04	0.00E+00	0.00E+00	5.29E-04	2.86E-06	0.00E+00	2.86E-06	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	8.40E-04
4359	ALL	490780	3612163	NonCancer	8.08E-04	2.75E-06	5.08E-04	0.00E+00	0.00E+00	5.08E-04	2.75E-06	0.00E+00	2.75E-06	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	8.08E-04
4360	ALL	490801.1	3612172	NonCancer	7.58E-04	2.58E-06	4.77E-04	0.00E+00	0.00E+00	4.77E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	7.58E-04
4361	ALL	490822.1	3612181	NonCancer	6.82E-04	2.32E-06	4.30E-04	0.00E+00	0.00E+00	4.30E-04	2.32E-06	0.00E+00	2.32E-06	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	6.82E-04
4362	ALL	490843.1	3612190	NonCancer	5.96E-04	2.03E-06	3.76E-04	0.00E+00	0.00E+00	3.76E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	5.96E-04
4363	ALL	490864.1	3612199	NonCancer	5.79E-04	1.97E-06	3.65E-04	0.00E+00	0.00E+00	3.65E-04	1.97E-06	0.00E+00	1.97E-06	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	5.79E-04
4364	ALL	490885.2	3612208	NonCancer	6.44E-04	2.19E-06	4.05E-04	0.00E+00	0.00E+00	4.05E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	6.44E-04
4365	ALL	490906.2	3612217	NonCancer	6.86E-04	2.33E-06	4.32E-04	0.00E+00	0.00E+00	4.32E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	6.86E-04
4366	ALL	490927.2	3612226	NonCancer	7.06E-04	2.40E-06	4.44E-04	0.00E+00	0.00E+00	4.44E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	7.06E-04
4367	ALL	490948.3	3612235	NonCancer	7.14E-04	2.43E-06	4.50E-04	0.00E+00	0.00E+00	4.50E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	7.14E-04

4368	ALL	490979.1	3612265	NonCancer	2.99E-04	1.02E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.99E-04
4369	ALL	490989	3612286	NonCancer	1.94E-04	6.60E-07	1.22E-04	0.00E+00	0.00E+00	1.22E-04	6.60E-07	0.00E+00	6.60E-07	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	1.94E-04
4370	ALL	490998.8	3612307	NonCancer	1.06E-04	3.61E-07	6.68E-05	0.00E+00	0.00E+00	6.68E-05	3.61E-07	0.00E+00	3.61E-07	0.00E+00	0.00E+00	6.68E-05	0.00E+00	0.00E+00	1.06E-04
4371	ALL	491008.7	3612327	NonCancer	1.04E-04	3.53E-07	6.54E-05	0.00E+00	0.00E+00	6.54E-05	3.53E-07	0.00E+00	3.53E-07	0.00E+00	0.00E+00	6.54E-05	0.00E+00	0.00E+00	1.04E-04
4372	ALL	491018.5	3612348	NonCancer	1.80E-04	6.13E-07	1.13E-04	0.00E+00	0.00E+00	1.13E-04	6.13E-07	0.00E+00	6.13E-07	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	1.80E-04
4373	ALL	491028.3	3612369	NonCancer	1.69E-04	5.76E-07	1.07E-04	0.00E+00	0.00E+00	1.07E-04	5.76E-07	0.00E+00	5.76E-07	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	1.69E-04
4374	ALL	491038.2	3612389	NonCancer	9.68E-05	3.29E-07	6.10E-05	0.00E+00	0.00E+00	6.10E-05	3.29E-07	0.00E+00	3.29E-07	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	9.68E-05
4375	ALL	491048	3612410	NonCancer	9.52E-05	3.24E-07	6.00E-05	0.00E+00	0.00E+00	6.00E-05	3.24E-07	0.00E+00	3.24E-07	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	9.52E-05
4376	ALL	491057.8	3612431	NonCancer	9.35E-05	3.18E-07	5.89E-05	0.00E+00	0.00E+00	5.89E-05	3.18E-07	0.00E+00	3.18E-07	0.00E+00	0.00E+00	5.89E-05	0.00E+00	0.00E+00	9.35E-05
4377	ALL	491067.7	3612451	NonCancer	9.12E-05	3.10E-07	5.74E-05	0.00E+00	0.00E+00	5.74E-05	3.10E-07	0.00E+00	3.10E-07	0.00E+00	0.00E+00	5.74E-05	0.00E+00	0.00E+00	9.12E-05
4378	ALL	491077.5	3612472	NonCancer	8.80E-05	2.99E-07	5.54E-05	0.00E+00	0.00E+00	5.54E-05	2.99E-07	0.00E+00	2.99E-07	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	8.80E-05
4379	ALL	491087.4	3612493	NonCancer	8.43E-05	2.87E-07	5.31E-05	0.00E+00	0.00E+00	5.31E-05	2.87E-07	0.00E+00	2.87E-07	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00	8.43E-05
4380	ALL	491097.2	3612513	NonCancer	7.99E-05	2.72E-07	5.03E-05	0.00E+00	0.00E+00	5.03E-05	2.72E-07	0.00E+00	2.72E-07	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	7.99E-05
4381	ALL	491107	3612534	NonCancer	7.49E-05	2.55E-07	4.72E-05	0.00E+00	0.00E+00	4.72E-05	2.55E-07	0.00E+00	2.55E-07	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	7.49E-05
4382	ALL	491116.9	3612555	NonCancer	6.96E-05	2.37E-07	4.38E-05	0.00E+00	0.00E+00	4.38E-05	2.37E-07	0.00E+00	2.37E-07	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	6.96E-05
4383	ALL	491126.7	3612575	NonCancer	6.67E-05	2.27E-07	4.20E-05	0.00E+00	0.00E+00	4.20E-05	2.27E-07	0.00E+00	2.27E-07	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	6.67E-05
4384	ALL	491136.5	3612596	NonCancer	6.70E-05	2.28E-07	4.22E-05	0.00E+00	0.00E+00	4.22E-05	2.28E-07	0.00E+00	2.28E-07	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	6.70E-05
4385	ALL	491146.4	3612617	NonCancer	6.72E-05	2.28E-07	4.23E-05	0.00E+00	0.00E+00	4.23E-05	2.28E-07	0.00E+00	2.28E-07	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	6.72E-05
4386	ALL	491156.2	3612637	NonCancer	6.74E-05	2.29E-07	4.24E-05	0.00E+00	0.00E+00	4.24E-05	2.29E-07	0.00E+00	2.29E-07	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	6.74E-05
4387	ALL	491166.1	3612658	NonCancer	6.76E-05	2.30E-07	4.26E-05	0.00E+00	0.00E+00	4.26E-05	2.30E-07	0.00E+00	2.30E-07	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	6.76E-05
4388	ALL	491175.9	3612679	NonCancer	6.78E-05	2.31E-07	4.27E-05	0.00E+00	0.00E+00	4.27E-05	2.31E-07	0.00E+00	2.31E-07	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	6.78E-05
4389	ALL	491185.7	3612699	NonCancer	6.92E-05	2.35E-07	4.35E-05	0.00E+00	0.00E+00	4.35E-05	2.35E-07	0.00E+00	2.35E-07	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	6.92E-05
4390	ALL	491195.6	3612720	NonCancer	7.02E-05	2.39E-07	4.42E-05	0.00E+00	0.00E+00	4.42E-05	2.39E-07	0.00E+00	2.39E-07	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	7.02E-05
4391	ALL	491205.4	3612741	NonCancer	7.07E-05	2.40E-07	4.45E-05	0.00E+00	0.00E+00	4.45E-05	2.40E-07	0.00E+00	2.40E-07	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	7.07E-05
4392	ALL	491215.3	3612761	NonCancer	7.07E-05	2.41E-07	4.45E-05	0.00E+00	0.00E+00	4.45E-05	2.41E-07	0.00E+00	2.41E-07	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	7.07E-05
4393	ALL	491225.1	3612782	NonCancer	7.02E-05	2.39E-07	4.42E-05	0.00E+00	0.00E+00	4.42E-05	2.39E-07	0.00E+00	2.39E-07	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	7.02E-05
4394	ALL	491234.9	3612803	NonCancer	7.05E-05	2.40E-07	4.44E-05	0.00E+00	0.00E+00	4.44E-05	2.40E-07	0.00E+00	2.40E-07	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	7.05E-05
4395	ALL	491244.8	3612824	NonCancer	6.94E-05	2.36E-07	4.37E-05	0.00E+00	0.00E+00	4.37E-05	2.36E-07	0.00E+00	2.36E-07	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	6.94E-05
4396	ALL	491254.6	3612844	NonCancer	7.29E-05	2.48E-07	4.59E-05	0.00E+00	0.00E+00	4.59E-05	2.48E-07	0.00E+00	2.48E-07	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	7.29E-05
4397	ALL	491264.4	3612865	NonCancer	7.11E-05	2.42E-07	4.48E-05	0.00E+00	0.00E+00	4.48E-05	2.42E-07	0.00E+00	2.42E-07	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	7.11E-05
4398	ALL	491274.3	3612886	NonCancer	7.46E-05	2.54E-07	4.70E-05	0.00E+00	0.00E+00	4.70E-05	2.54E-07	0.00E+00	2.54E-07	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	7.46E-05
4399	ALL	491284.1	3612906	NonCancer	7.69E-05	2.62E-07	4.84E-05	0.00E+00	0.00E+00	4.84E-05	2.62E-07	0.00E+00	2.62E-07	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	7.69E-05
4400	ALL	491294	3612927	NonCancer	7.99E-05	2.72E-07	5.03E-05	0.00E+00	0.00E+00	5.03E-05	2.72E-07	0.00E+00	2.72E-07	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	7.99E-05
4401	ALL	491303.8	3612948	NonCancer	8.25E-05	2.81E-07	5.20E-05	0.00E+00	0.00E+00	5.20E-05	2.81E-07	0.00E+00	2.81E-07	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	8.25E-05
4402	ALL	491313.6	3612968	NonCancer	8.47E-05	2.88E-07	5.33E-05	0.00E+00	0.00E+00	5.33E-05	2.88E-07	0.00E+00	2.88E-07	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	8.47E-05
4403	ALL	491323.5	3612989	NonCancer	8.65E-05	2.94E-07	5.44E-05	0.00E+00	0.00E+00	5.44E-05	2.94E-07	0.00E+00	2.94E-07	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	8.65E-05
4404	ALL	491333.3	3613010	NonCancer	8.85E-05	3.01E-07	5.57E-05	0.00E+00	0.00E+00	5.57E-05	3.01E-07	0.00E+00	3.01E-07	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	8.85E-05
4405	ALL	491343.1	3613030	NonCancer	9.70E-05	3.30E-07	6.11E-05	0.00E+00	0.00E+00	6.11E-05	3.30E-07	0.00E+00	3.30E-07	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00	9.70E-05
4406	ALL	491353	3613051	NonCancer	9.84E-05	3.35E-07	6.20E-05	0.00E+00	0.00E+00	6.20E-05	3.35E-07	0.00E+00	3.35E-07	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	9.84E-05
4407	ALL	491362.8	3613072	NonCancer	9.86E-05	3.35E-07	6.21E-05	0.00E+00	0.00E+00	6.21E-05	3.35E-07	0.00E+00	3.35E-07	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00	9.86E-05
4408	ALL	491372.7	3613092	NonCancer	9.55E-05	3.25E-07	6.01E-05	0.00E+00	0.00E+00	6.01E-05	3.25E-07	0.00E+00	3.25E-07	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	9.55E-05
4409	ALL	491382.5	3613113	NonCancer	9.42E-05	3.20E-07	5.93E-05	0.00E+00	0.00E+00	5.93E-05	3.20E-07	0.00E+00	3.20E-07	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00	9.42E-05
4410	ALL	491392.3	3613134	NonCancer	9.21E-05	3.13E-07	5.80E-05	0.00E+00	0.00E+00	5.80E-05	3.13E-07	0.00E+00	3.13E-07	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	9.21E-05
4411	ALL	491402.2	3613154	NonCancer	8.96E-05	3.04E-07	5.64E-05	0.00E+00	0.00E+00	5.64E-05	3.04E-07	0.00E+00	3.04E-07	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	8.96E-05
4412	ALL	491412	3613175	NonCancer	8.57E-05	2.91E-07	5.40E-05	0.00E+00	0.00E+00	5.40E-05	2.91E-07	0.00E+00	2.91E-07	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	8.57E-05
4413	ALL	491421.8	3613196	NonCancer	8.16E-05	2.77E-07	5.13E-05	0.00E+00	0.00E+00	5.13E-05	2.77E-07	0.00E+00	2.77E-07	0.00E+00	0.00E+00	5.13E-05	0.00E+00	0.00E+00	8.16E-05
4414	ALL	491431.7	3613216	NonCancer	7.61E-05	2.59E-07	4.79E-05	0.00E+00	0.00E+00	4.79E-05	2.59E-07	0.00E+00	2.59E-07	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	7.61E-05
4415	ALL	491441.5	3613237	NonCancer	7.20E-05	2.45E-07	4.53E-05	0.00E+00	0.00E+00	4.53E-05	2.45E-07	0.00E+00	2.45E-07	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	7.20E-05
4416	ALL	491451.4	3613258	NonCancer	6.94E-05	2.36E-07	4.37E-05	0.00E+00	0.00E+00	4.37E-05	2.36E-07	0.00E+00	2.36E-07	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	6.94E-05
4417	ALL	491461.2	3613278	NonCancer	6.96E-05	2.36E-07	4.38E-05	0.00E+00	0.00E+00	4.38E-05	2.36E-07	0.00E+00	2.36E-07	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	6.96E-05
4418	ALL	491471	3613299	NonCancer	6.93E-05	2.36E-07	4.37E-05	0.00E+00	0.00E+00	4.37E-05	2.36E-07	0.00E+00	2.36E-07	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	6.93E-05
4419	ALL	491480.9	3613320	NonCancer	2.94E-04	1.00E-06	1.85E-04	0.00E+00	0.00E+00	1.85E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.94E-04

4420	ALL	491490.7	3613340	NonCancer	3.97E-04	1.35E-06	2.50E-04	0.00E+00	0.00E+00	2.50E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	3.97E-04
4421	ALL	491500.6	3613361	NonCancer	4.70E-04	1.60E-06	2.96E-04	0.00E+00	0.00E+00	2.96E-04	1.60E-06	0.00E+00	1.60E-06	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	4.70E-04
4422	ALL	491510.4	3613382	NonCancer	5.49E-04	1.87E-06	3.46E-04	0.00E+00	0.00E+00	3.46E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	5.49E-04
4423	ALL	491520.2	3613402	NonCancer	5.85E-04	1.99E-06	3.68E-04	0.00E+00	0.00E+00	3.68E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	5.85E-04
4424	ALL	491530.1	3613423	NonCancer	6.20E-04	2.11E-06	3.90E-04	0.00E+00	0.00E+00	3.90E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	6.20E-04
4425	ALL	491539.9	3613444	NonCancer	6.37E-04	2.17E-06	4.01E-04	0.00E+00	0.00E+00	4.01E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	6.37E-04
4426	ALL	491549.7	3613465	NonCancer	6.39E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.39E-04
4427	ALL	491559.6	3613485	NonCancer	6.32E-04	2.15E-06	3.98E-04	0.00E+00	0.00E+00	3.98E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	6.32E-04
4428	ALL	491569.4	3613506	NonCancer	6.11E-04	2.08E-06	3.84E-04	0.00E+00	0.00E+00	3.84E-04	2.08E-06	0.00E+00	2.08E-06	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	6.11E-04
4429	ALL	491579.3	3613527	NonCancer	5.77E-04	1.96E-06	3.64E-04	0.00E+00	0.00E+00	3.64E-04	1.96E-06	0.00E+00	1.96E-06	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	5.77E-04
4430	ALL	491589.1	3613547	NonCancer	5.72E-04	1.95E-06	3.60E-04	0.00E+00	0.00E+00	3.60E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	5.72E-04
4431	ALL	491598.9	3613568	NonCancer	5.94E-04	2.02E-06	3.74E-04	0.00E+00	0.00E+00	3.74E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	5.94E-04
4432	ALL	491608.8	3613589	NonCancer	6.02E-04	2.05E-06	3.79E-04	0.00E+00	0.00E+00	3.79E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	6.02E-04
4433	ALL	491618.6	3613609	NonCancer	6.05E-04	2.06E-06	3.81E-04	0.00E+00	0.00E+00	3.81E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	6.05E-04
4434	ALL	491628.4	3613630	NonCancer	5.96E-04	2.03E-06	3.75E-04	0.00E+00	0.00E+00	3.75E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	5.96E-04
4435	ALL	491638.3	3613651	NonCancer	5.65E-04	1.92E-06	3.56E-04	0.00E+00	0.00E+00	3.56E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	5.65E-04
4436	ALL	491687.5	3613754	NonCancer	5.45E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.45E-04
4437	ALL	491697.3	3613775	NonCancer	5.96E-04	2.03E-06	3.75E-04	0.00E+00	0.00E+00	3.75E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	5.96E-04
4438	ALL	491707.2	3613795	NonCancer	6.36E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.36E-04
4439	ALL	491717	3613816	NonCancer	6.58E-04	2.24E-06	4.15E-04	0.00E+00	0.00E+00	4.15E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	6.58E-04
4440	ALL	491726.8	3613837	NonCancer	6.65E-04	2.26E-06	4.18E-04	0.00E+00	0.00E+00	4.18E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	6.65E-04
4441	ALL	491736.7	3613857	NonCancer	6.55E-04	2.23E-06	4.12E-04	0.00E+00	0.00E+00	4.12E-04	2.23E-06	0.00E+00	2.23E-06	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	6.55E-04
4442	ALL	491746.5	3613878	NonCancer	6.27E-04	2.13E-06	3.95E-04	0.00E+00	0.00E+00	3.95E-04	2.13E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	6.27E-04
4443	ALL	489286.8	3611520	NonCancer	4.14E-04	1.41E-06	2.61E-04	0.00E+00	0.00E+00	2.61E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	4.14E-04
4444	ALL	489263.8	3611519	NonCancer	4.09E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.09E-04
4445	ALL	489240.7	3611518	NonCancer	4.22E-04	1.43E-06	2.66E-04	0.00E+00	0.00E+00	2.66E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	4.22E-04
4446	ALL	489217.6	3611517	NonCancer	4.27E-04	1.45E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.27E-04
4447	ALL	489194.6	3611516	NonCancer	4.24E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.24E-04
4448	ALL	489326.6	3611129	NonCancer	3.44E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.44E-04
4449	ALL	489347.7	3611139	NonCancer	3.44E-04	1.17E-06	2.16E-04	0.00E+00	0.00E+00	2.16E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	3.44E-04
4450	ALL	489368.8	3611148	NonCancer	3.38E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.38E-04
4451	ALL	489389.9	3611157	NonCancer	3.28E-04	1.11E-06	2.06E-04	0.00E+00	0.00E+00	2.06E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	3.28E-04
4452	ALL	489411	3611166	NonCancer	3.12E-04	1.06E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.12E-04
4453	ALL	489432.1	3611175	NonCancer	3.02E-04	1.03E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.02E-04
4454	ALL	489453.2	3611184	NonCancer	2.93E-04	9.95E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.95E-07	0.00E+00	9.95E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.93E-04
4455	ALL	489474.3	3611193	NonCancer	2.81E-04	9.54E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.54E-07	0.00E+00	9.54E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.81E-04
4456	ALL	489495.4	3611202	NonCancer	2.66E-04	9.04E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.04E-07	0.00E+00	9.04E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.66E-04
4457	ALL	489516.5	3611211	NonCancer	2.69E-04	9.14E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.14E-07	0.00E+00	9.14E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.69E-04
4458	ALL	489537.6	3611220	NonCancer	2.71E-04	9.22E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.22E-07	0.00E+00	9.22E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.71E-04
4459	ALL	489558.7	3611229	NonCancer	2.70E-04	9.19E-07	1.70E-04	0.00E+00	0.00E+00	1.70E-04	9.19E-07	0.00E+00	9.19E-07	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	2.70E-04
4460	ALL	489579.8	3611238	NonCancer	2.77E-04	9.41E-07	1.74E-04	0.00E+00	0.00E+00	1.74E-04	9.41E-07	0.00E+00	9.41E-07	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	2.77E-04
4461	ALL	489600.9	3611248	NonCancer	2.85E-04	9.70E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.70E-07	0.00E+00	9.70E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.85E-04
4462	ALL	489622	3611257	NonCancer	2.90E-04	9.87E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.87E-07	0.00E+00	9.87E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.90E-04
4463	ALL	489643.1	3611266	NonCancer	3.10E-04	1.05E-06	1.95E-04	0.00E+00	0.00E+00	1.95E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	3.10E-04
4464	ALL	489664.2	3611275	NonCancer	3.28E-04	1.11E-06	2.06E-04	0.00E+00	0.00E+00	2.06E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	3.28E-04
4465	ALL	489685.3	3611284	NonCancer	3.42E-04	1.16E-06	2.16E-04	0.00E+00	0.00E+00	2.16E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	3.42E-04
4466	ALL	489706.4	3611293	NonCancer	3.53E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.53E-04
4467	ALL	489727.5	3611302	NonCancer	3.58E-04	1.22E-06	2.26E-04	0.00E+00	0.00E+00	2.26E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	3.58E-04
4468	ALL	489748.6	3611311	NonCancer	3.59E-04	1.22E-06	2.26E-04	0.00E+00	0.00E+00	2.26E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	3.59E-04
4469	ALL	489769.7	3611320	NonCancer	3.54E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.54E-04
4470	ALL	489790.8	3611329	NonCancer	3.45E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.45E-04
4471	ALL	489811.9	3611338	NonCancer	3.31E-04	1.12E-06	2.08E-04	0.00E+00	0.00E+00	2.08E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	3.31E-04

4472	ALL	489833	3611348	NonCancer	3.13E-04	1.06E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.13E-04
4473	ALL	489854.1	3611357	NonCancer	2.96E-04	1.01E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.96E-04
4474	ALL	489875.2	3611366	NonCancer	3.10E-04	1.05E-06	1.95E-04	0.00E+00	0.00E+00	1.95E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	3.10E-04
4475	ALL	489896.3	3611375	NonCancer	3.19E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
4476	ALL	489917.4	3611384	NonCancer	3.25E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.25E-04
4477	ALL	489938.5	3611393	NonCancer	3.26E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.26E-04
4478	ALL	489959.6	3611402	NonCancer	3.28E-04	1.11E-06	2.06E-04	0.00E+00	0.00E+00	2.06E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	3.28E-04
4479	ALL	489980.7	3611411	NonCancer	3.42E-04	1.16E-06	2.15E-04	0.00E+00	0.00E+00	2.15E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.42E-04
4480	ALL	490001.8	3611420	NonCancer	3.51E-04	1.19E-06	2.21E-04	0.00E+00	0.00E+00	2.21E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	3.51E-04
4481	ALL	490022.9	3611429	NonCancer	3.55E-04	1.21E-06	2.24E-04	0.00E+00	0.00E+00	2.24E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.55E-04
4482	ALL	490044	3611438	NonCancer	3.63E-04	1.23E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.63E-04
4483	ALL	490065.1	3611448	NonCancer	3.68E-04	1.25E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.68E-04
4484	ALL	490086.2	3611457	NonCancer	3.68E-04	1.25E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.68E-04
4485	ALL	490107.3	3611466	NonCancer	3.62E-04	1.23E-06	2.28E-04	0.00E+00	0.00E+00	2.28E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	3.62E-04
4486	ALL	490128.4	3611475	NonCancer	3.51E-04	1.19E-06	2.21E-04	0.00E+00	0.00E+00	2.21E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	3.51E-04
4487	ALL	490149.5	3611484	NonCancer	3.35E-04	1.14E-06	2.11E-04	0.00E+00	0.00E+00	2.11E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	3.35E-04
4488	ALL	490170.6	3611493	NonCancer	3.26E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.26E-04
4489	ALL	490191.8	3611502	NonCancer	3.24E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.24E-04
4490	ALL	490212.9	3611511	NonCancer	3.39E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.39E-04
4491	ALL	490234	3611520	NonCancer	3.48E-04	1.18E-06	2.19E-04	0.00E+00	0.00E+00	2.19E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	3.48E-04
4492	ALL	490255.1	3611529	NonCancer	3.53E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.53E-04
4493	ALL	490276.2	3611538	NonCancer	3.52E-04	1.20E-06	2.21E-04	0.00E+00	0.00E+00	2.21E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	3.52E-04
4494	ALL	490297.3	3611547	NonCancer	3.45E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.45E-04
4495	ALL	490318.4	3611557	NonCancer	3.36E-04	1.14E-06	2.11E-04	0.00E+00	0.00E+00	2.11E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	3.36E-04
4496	ALL	490339.5	3611566	NonCancer	3.32E-04	1.13E-06	2.09E-04	0.00E+00	0.00E+00	2.09E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.32E-04
4497	ALL	490360.6	3611575	NonCancer	3.45E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.45E-04
4498	ALL	490381.7	3611584	NonCancer	3.53E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.53E-04
4499	ALL	490402.8	3611593	NonCancer	3.55E-04	1.21E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.55E-04
4500	ALL	490423.9	3611602	NonCancer	3.52E-04	1.20E-06	2.21E-04	0.00E+00	0.00E+00	2.21E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	3.52E-04
4501	ALL	490445	3611611	NonCancer	3.43E-04	1.17E-06	2.16E-04	0.00E+00	0.00E+00	2.16E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	3.43E-04
4502	ALL	490466.1	3611620	NonCancer	3.29E-04	1.12E-06	2.07E-04	0.00E+00	0.00E+00	2.07E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	3.29E-04
4503	ALL	490487.2	3611629	NonCancer	3.14E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.14E-04
4504	ALL	490508.3	3611638	NonCancer	3.13E-04	1.06E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.13E-04
4505	ALL	490529.4	3611647	NonCancer	3.08E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.08E-04
4506	ALL	490550.5	3611657	NonCancer	2.98E-04	1.01E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.98E-04
4507	ALL	490571.6	3611666	NonCancer	2.84E-04	9.66E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.66E-07	0.00E+00	9.66E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.84E-04
4508	ALL	490592.7	3611675	NonCancer	5.03E-04	1.71E-06	3.17E-04	0.00E+00	0.00E+00	3.17E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	5.03E-04
4509	ALL	490613.8	3611684	NonCancer	7.71E-04	2.62E-06	4.85E-04	0.00E+00	0.00E+00	4.85E-04	2.62E-06	0.00E+00	2.62E-06	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	7.71E-04
4510	ALL	490634.9	3611693	NonCancer	8.20E-04	2.79E-06	5.16E-04	0.00E+00	0.00E+00	5.16E-04	2.79E-06	0.00E+00	2.79E-06	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	8.20E-04
4511	ALL	490656	3611702	NonCancer	8.21E-04	2.79E-06	5.17E-04	0.00E+00	0.00E+00	5.17E-04	2.79E-06	0.00E+00	2.79E-06	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	8.21E-04
4512	ALL	490677.1	3611711	NonCancer	8.90E-04	3.03E-06	5.61E-04	0.00E+00	0.00E+00	5.61E-04	3.03E-06	0.00E+00	3.03E-06	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	8.90E-04
4513	ALL	490698.2	3611720	NonCancer	9.46E-04	3.22E-06	5.96E-04	0.00E+00	0.00E+00	5.96E-04	3.22E-06	0.00E+00	3.22E-06	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	9.46E-04
4514	ALL	490719.3	3611729	NonCancer	9.77E-04	3.32E-06	6.15E-04	0.00E+00	0.00E+00	6.15E-04	3.32E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	9.77E-04
4515	ALL	490740.4	3611738	NonCancer	9.84E-04	3.35E-06	6.20E-04	0.00E+00	0.00E+00	6.20E-04	3.35E-06	0.00E+00	3.35E-06	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	9.84E-04
4516	ALL	490761.5	3611747	NonCancer	9.70E-04	3.30E-06	6.11E-04	0.00E+00	0.00E+00	6.11E-04	3.30E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	9.70E-04
4517	ALL	490782.6	3611757	NonCancer	9.27E-04	3.15E-06	5.83E-04	0.00E+00	0.00E+00	5.83E-04	3.15E-06	0.00E+00	3.15E-06	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	9.27E-04
4518	ALL	490803.7	3611766	NonCancer	8.59E-04	2.92E-06	5.41E-04	0.00E+00	0.00E+00	5.41E-04	2.92E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	8.59E-04
4519	ALL	490824.8	3611775	NonCancer	8.69E-04	2.95E-06	5.47E-04	0.00E+00	0.00E+00	5.47E-04	2.95E-06	0.00E+00	2.95E-06	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	8.69E-04
4520	ALL	490845.9	3611784	NonCancer	9.07E-04	3.08E-06	5.71E-04	0.00E+00	0.00E+00	5.71E-04	3.08E-06	0.00E+00	3.08E-06	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	9.07E-04
4521	ALL	490867	3611793	NonCancer	9.28E-04	3.16E-06	5.84E-04	0.00E+00	0.00E+00	5.84E-04	3.16E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	9.28E-04
4522	ALL	490888.1	3611802	NonCancer	9.43E-04	3.21E-06	5.94E-04	0.00E+00	0.00E+00	5.94E-04	3.21E-06	0.00E+00	3.21E-06	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	9.43E-04
4523	ALL	490909.2	3611811	NonCancer	9.63E-04	3.27E-06	6.06E-04	0.00E+00	0.00E+00	6.06E-04	3.27E-06	0.00E+00	3.27E-06	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	9.63E-04

4524	ALL	490930.3	3611820	NonCancer	9.63E-04	3.27E-06	6.06E-04	0.00E+00	0.00E+00	6.06E-04	3.27E-06	0.00E+00	3.27E-06	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	9.63E-04
4525	ALL	490951.4	3611829	NonCancer	9.54E-04	3.24E-06	6.01E-04	0.00E+00	0.00E+00	6.01E-04	3.24E-06	0.00E+00	3.24E-06	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	9.54E-04
4526	ALL	490972.5	3611838	NonCancer	9.23E-04	3.14E-06	5.81E-04	0.00E+00	0.00E+00	5.81E-04	3.14E-06	0.00E+00	3.14E-06	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	9.23E-04
4527	ALL	490993.6	3611847	NonCancer	8.74E-04	2.97E-06	5.50E-04	0.00E+00	0.00E+00	5.50E-04	2.97E-06	0.00E+00	2.97E-06	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	8.74E-04
4528	ALL	491014.7	3611856	NonCancer	8.03E-04	2.73E-06	5.06E-04	0.00E+00	0.00E+00	5.06E-04	2.73E-06	0.00E+00	2.73E-06	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	8.03E-04
4529	ALL	491035.8	3611866	NonCancer	7.21E-04	2.45E-06	4.54E-04	0.00E+00	0.00E+00	4.54E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	7.21E-04
4530	ALL	491056.9	3611875	NonCancer	6.31E-04	2.14E-06	3.97E-04	0.00E+00	0.00E+00	3.97E-04	2.14E-06	0.00E+00	2.14E-06	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	6.31E-04
4531	ALL	491078	3611884	NonCancer	5.35E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.35E-04
4532	ALL	491099.1	3611893	NonCancer	4.87E-04	1.66E-06	3.07E-04	0.00E+00	0.00E+00	3.07E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	4.87E-04
4533	ALL	491120.2	3611902	NonCancer	5.25E-04	1.79E-06	3.31E-04	0.00E+00	0.00E+00	3.31E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	5.25E-04
4534	ALL	491141.3	3611911	NonCancer	5.89E-04	2.00E-06	3.71E-04	0.00E+00	0.00E+00	3.71E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	5.89E-04
4535	ALL	491162.4	3611920	NonCancer	6.52E-04	2.22E-06	4.10E-04	0.00E+00	0.00E+00	4.10E-04	2.22E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	6.52E-04
4536	ALL	491183.5	3611929	NonCancer	7.11E-04	2.42E-06	4.48E-04	0.00E+00	0.00E+00	4.48E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	7.11E-04
4537	ALL	491204.6	3611938	NonCancer	7.59E-04	2.58E-06	4.78E-04	0.00E+00	0.00E+00	4.78E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	7.59E-04
4538	ALL	491225.7	3611947	NonCancer	7.99E-04	2.72E-06	5.03E-04	0.00E+00	0.00E+00	5.03E-04	2.72E-06	0.00E+00	2.72E-06	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	7.99E-04
4539	ALL	491256.7	3611977	NonCancer	8.52E-04	2.90E-06	5.36E-04	0.00E+00	0.00E+00	5.36E-04	2.90E-06	0.00E+00	2.90E-06	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	8.52E-04
4540	ALL	491266.5	3611998	NonCancer	8.61E-04	2.93E-06	5.42E-04	0.00E+00	0.00E+00	5.42E-04	2.93E-06	0.00E+00	2.93E-06	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	8.61E-04
4541	ALL	491276.4	3612019	NonCancer	8.55E-04	2.91E-06	5.38E-04	0.00E+00	0.00E+00	5.38E-04	2.91E-06	0.00E+00	2.91E-06	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	8.55E-04
4542	ALL	491286.3	3612039	NonCancer	8.33E-04	2.83E-06	5.25E-04	0.00E+00	0.00E+00	5.25E-04	2.83E-06	0.00E+00	2.83E-06	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	8.33E-04
4543	ALL	491296.2	3612060	NonCancer	8.02E-04	2.73E-06	5.05E-04	0.00E+00	0.00E+00	5.05E-04	2.73E-06	0.00E+00	2.73E-06	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	8.02E-04
4544	ALL	491306	3612081	NonCancer	7.80E-04	2.65E-06	4.91E-04	0.00E+00	0.00E+00	4.91E-04	2.65E-06	0.00E+00	2.65E-06	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	7.80E-04
4545	ALL	491315.9	3612102	NonCancer	7.90E-04	2.69E-06	4.98E-04	0.00E+00	0.00E+00	4.98E-04	2.69E-06	0.00E+00	2.69E-06	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	7.90E-04
4546	ALL	491325.8	3612122	NonCancer	7.83E-04	2.66E-06	4.93E-04	0.00E+00	0.00E+00	4.93E-04	2.66E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	7.83E-04
4547	ALL	491335.6	3612143	NonCancer	7.56E-04	2.57E-06	4.76E-04	0.00E+00	0.00E+00	4.76E-04	2.57E-06	0.00E+00	2.57E-06	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	7.56E-04
4548	ALL	491345.5	3612164	NonCancer	7.13E-04	2.42E-06	4.49E-04	0.00E+00	0.00E+00	4.49E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	7.13E-04
4549	ALL	491355.4	3612185	NonCancer	6.58E-04	2.24E-06	4.14E-04	0.00E+00	0.00E+00	4.14E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	6.58E-04
4550	ALL	491365.3	3612205	NonCancer	5.93E-04	2.02E-06	3.74E-04	0.00E+00	0.00E+00	3.74E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	5.93E-04
4551	ALL	491375.1	3612226	NonCancer	5.44E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.44E-04
4552	ALL	491385	3612247	NonCancer	5.99E-04	2.04E-06	3.77E-04	0.00E+00	0.00E+00	3.77E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	5.99E-04
4553	ALL	491394.9	3612268	NonCancer	6.63E-04	2.25E-06	4.17E-04	0.00E+00	0.00E+00	4.17E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	6.63E-04
4554	ALL	491404.7	3612288	NonCancer	7.16E-04	2.43E-06	4.51E-04	0.00E+00	0.00E+00	4.51E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	7.16E-04
4555	ALL	491414.6	3612309	NonCancer	6.79E-04	2.31E-06	4.28E-04	0.00E+00	0.00E+00	4.28E-04	2.31E-06	0.00E+00	2.31E-06	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	6.79E-04
4556	ALL	491424.5	3612330	NonCancer	5.83E-04	1.98E-06	3.67E-04	0.00E+00	0.00E+00	3.67E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	5.83E-04
4557	ALL	491434.4	3612351	NonCancer	5.82E-04	1.98E-06	3.66E-04	0.00E+00	0.00E+00	3.66E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	5.82E-04
4558	ALL	491444.2	3612371	NonCancer	5.07E-04	1.72E-06	3.19E-04	0.00E+00	0.00E+00	3.19E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.07E-04
4559	ALL	491454.1	3612392	NonCancer	1.09E-04	3.72E-07	6.88E-05	0.00E+00	0.00E+00	6.88E-05	3.72E-07	0.00E+00	3.72E-07	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	1.09E-04
4560	ALL	491464	3612413	NonCancer	5.76E-05	1.96E-07	3.63E-05	0.00E+00	0.00E+00	3.63E-05	1.96E-07	0.00E+00	1.96E-07	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	5.76E-05
4561	ALL	491473.8	3612434	NonCancer	5.88E-05	2.00E-07	3.70E-05	0.00E+00	0.00E+00	3.70E-05	2.00E-07	0.00E+00	2.00E-07	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	5.88E-05
4562	ALL	491483.7	3612454	NonCancer	6.00E-05	2.04E-07	3.78E-05	0.00E+00	0.00E+00	3.78E-05	2.04E-07	0.00E+00	2.04E-07	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	6.00E-05
4563	ALL	491493.6	3612475	NonCancer	6.10E-05	2.08E-07	3.84E-05	0.00E+00	0.00E+00	3.84E-05	2.08E-07	0.00E+00	2.08E-07	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	6.10E-05
4564	ALL	491503.4	3612496	NonCancer	6.19E-05	2.10E-07	3.90E-05	0.00E+00	0.00E+00	3.90E-05	2.10E-07	0.00E+00	2.10E-07	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	6.19E-05
4565	ALL	491513.3	3612517	NonCancer	6.23E-05	2.12E-07	3.92E-05	0.00E+00	0.00E+00	3.92E-05	2.12E-07	0.00E+00	2.12E-07	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	6.23E-05
4566	ALL	491523.2	3612537	NonCancer	6.26E-05	2.13E-07	3.94E-05	0.00E+00	0.00E+00	3.94E-05	2.13E-07	0.00E+00	2.13E-07	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	6.26E-05
4567	ALL	491533.1	3612558	NonCancer	6.25E-05	2.13E-07	3.94E-05	0.00E+00	0.00E+00	3.94E-05	2.13E-07	0.00E+00	2.13E-07	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	6.25E-05
4568	ALL	491542.9	3612579	NonCancer	6.25E-05	2.13E-07	3.94E-05	0.00E+00	0.00E+00	3.94E-05	2.13E-07	0.00E+00	2.13E-07	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	6.25E-05
4569	ALL	491552.8	3612600	NonCancer	6.24E-05	2.12E-07	3.93E-05	0.00E+00	0.00E+00	3.93E-05	2.12E-07	0.00E+00	2.12E-07	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	6.24E-05
4570	ALL	491562.7	3612620	NonCancer	6.14E-05	2.09E-07	3.86E-05	0.00E+00	0.00E+00	3.86E-05	2.09E-07	0.00E+00	2.09E-07	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00	6.14E-05
4571	ALL	491572.5	3612641	NonCancer	6.40E-05	2.18E-07	4.03E-05	0.00E+00	0.00E+00	4.03E-05	2.18E-07	0.00E+00	2.18E-07	0.00E+00	0.00E+00	4.03E-05	0.00E+00	0.00E+00	6.40E-05
4572	ALL	491582.4	3612662	NonCancer	6.78E-05	2.30E-07	4.27E-05	0.00E+00	0.00E+00	4.27E-05	2.30E-07	0.00E+00	2.30E-07	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	6.78E-05
4573	ALL	491592.3	3612683	NonCancer	7.12E-05	2.42E-07	4.48E-05	0.00E+00	0.00E+00	4.48E-05	2.42E-07	0.00E+00	2.42E-07	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	7.12E-05
4574	ALL	491602.2	3612703	NonCancer	7.39E-05	2.51E-07	4.65E-05	0.00E+00	0.00E+00	4.65E-05	2.51E-07	0.00E+00	2.51E-07	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00	7.39E-05
4575	ALL	491612	3612724	NonCancer	7.67E-05	2.61E-07	4.83E-05	0.00E+00	0.00E+00	4.83E-05	2.61E-07	0.00E+00	2.61E-07	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	7.67E-05

4576	ALL	491621.9	3612745	NonCancer	8.04E-05	2.73E-07	5.06E-05	0.00E+00	0.00E+00	5.06E-05	2.73E-07	0.00E+00	2.73E-07	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00	8.04E-05
4577	ALL	491631.8	3612766	NonCancer	8.40E-05	2.86E-07	5.29E-05	0.00E+00	0.00E+00	5.29E-05	2.86E-07	0.00E+00	2.86E-07	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	8.40E-05
4578	ALL	491641.6	3612786	NonCancer	8.67E-05	2.95E-07	5.46E-05	0.00E+00	0.00E+00	5.46E-05	2.95E-07	0.00E+00	2.95E-07	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00	8.67E-05
4579	ALL	491651.5	3612807	NonCancer	8.77E-05	2.98E-07	5.52E-05	0.00E+00	0.00E+00	5.52E-05	2.98E-07	0.00E+00	2.98E-07	0.00E+00	0.00E+00	5.52E-05	0.00E+00	0.00E+00	8.77E-05
4580	ALL	491661.4	3612828	NonCancer	8.91E-05	3.03E-07	5.61E-05	0.00E+00	0.00E+00	5.61E-05	3.03E-07	0.00E+00	3.03E-07	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	8.91E-05
4581	ALL	491671.3	3612849	NonCancer	8.87E-05	3.01E-07	5.58E-05	0.00E+00	0.00E+00	5.58E-05	3.01E-07	0.00E+00	3.01E-07	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	8.87E-05
4582	ALL	491681.1	3612869	NonCancer	8.83E-05	3.00E-07	5.56E-05	0.00E+00	0.00E+00	5.56E-05	3.00E-07	0.00E+00	3.00E-07	0.00E+00	0.00E+00	5.56E-05	0.00E+00	0.00E+00	8.83E-05
4583	ALL	491691	3612890	NonCancer	8.78E-05	2.99E-07	5.53E-05	0.00E+00	0.00E+00	5.53E-05	2.99E-07	0.00E+00	2.99E-07	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	8.78E-05
4584	ALL	491700.9	3612911	NonCancer	8.66E-05	2.95E-07	5.45E-05	0.00E+00	0.00E+00	5.45E-05	2.95E-07	0.00E+00	2.95E-07	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00	8.66E-05
4585	ALL	491710.7	3612932	NonCancer	8.43E-05	2.87E-07	5.31E-05	0.00E+00	0.00E+00	5.31E-05	2.87E-07	0.00E+00	2.87E-07	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00	8.43E-05
4586	ALL	491720.6	3612952	NonCancer	8.17E-05	2.78E-07	5.15E-05	0.00E+00	0.00E+00	5.15E-05	2.78E-07	0.00E+00	2.78E-07	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00	8.17E-05
4587	ALL	491730.5	3612973	NonCancer	7.94E-05	2.70E-07	5.00E-05	0.00E+00	0.00E+00	5.00E-05	2.70E-07	0.00E+00	2.70E-07	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	7.94E-05
4588	ALL	491740.4	3612994	NonCancer	7.64E-05	2.60E-07	4.81E-05	0.00E+00	0.00E+00	4.81E-05	2.60E-07	0.00E+00	2.60E-07	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00	7.64E-05
4589	ALL	491750.2	3613015	NonCancer	7.33E-05	2.49E-07	4.61E-05	0.00E+00	0.00E+00	4.61E-05	2.49E-07	0.00E+00	2.49E-07	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00	7.33E-05
4590	ALL	491760.1	3613035	NonCancer	6.96E-05	2.37E-07	4.38E-05	0.00E+00	0.00E+00	4.38E-05	2.37E-07	0.00E+00	2.37E-07	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	6.96E-05
4591	ALL	491770	3613056	NonCancer	6.54E-05	2.22E-07	4.12E-05	0.00E+00	0.00E+00	4.12E-05	2.22E-07	0.00E+00	2.22E-07	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	6.54E-05
4592	ALL	491779.8	3613077	NonCancer	6.24E-05	2.12E-07	3.93E-05	0.00E+00	0.00E+00	3.93E-05	2.12E-07	0.00E+00	2.12E-07	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	6.24E-05
4593	ALL	491789.7	3613098	NonCancer	5.95E-05	2.02E-07	3.74E-05	0.00E+00	0.00E+00	3.74E-05	2.02E-07	0.00E+00	2.02E-07	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	5.95E-05
4594	ALL	491799.6	3613118	NonCancer	1.66E-04	5.66E-07	1.05E-04	0.00E+00	0.00E+00	1.05E-04	5.66E-07	0.00E+00	5.66E-07	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.66E-04
4595	ALL	491809.4	3613139	NonCancer	2.09E-04	7.12E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.12E-07	0.00E+00	7.12E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.09E-04
4596	ALL	491819.3	3613160	NonCancer	1.72E-04	5.84E-07	1.08E-04	0.00E+00	0.00E+00	1.08E-04	5.84E-07	0.00E+00	5.84E-07	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	1.72E-04
4597	ALL	491829.2	3613181	NonCancer	5.57E-05	1.89E-07	3.51E-05	0.00E+00	0.00E+00	3.51E-05	1.89E-07	0.00E+00	1.89E-07	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00	5.57E-05
4598	ALL	491839.1	3613201	NonCancer	5.59E-05	1.90E-07	3.52E-05	0.00E+00	0.00E+00	3.52E-05	1.90E-07	0.00E+00	1.90E-07	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	5.59E-05
4599	ALL	491848.9	3613222	NonCancer	5.72E-05	1.94E-07	3.60E-05	0.00E+00	0.00E+00	3.60E-05	1.94E-07	0.00E+00	1.94E-07	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	5.72E-05
4600	ALL	491858.8	3613243	NonCancer	5.90E-05	2.01E-07	3.71E-05	0.00E+00	0.00E+00	3.71E-05	2.01E-07	0.00E+00	2.01E-07	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	5.90E-05
4601	ALL	491868.7	3613263	NonCancer	6.10E-05	2.08E-07	3.84E-05	0.00E+00	0.00E+00	3.84E-05	2.08E-07	0.00E+00	2.08E-07	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	6.10E-05
4602	ALL	491878.5	3613284	NonCancer	6.29E-05	2.14E-07	3.96E-05	0.00E+00	0.00E+00	3.96E-05	2.14E-07	0.00E+00	2.14E-07	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	6.29E-05
4603	ALL	491888.4	3613305	NonCancer	6.74E-05	2.29E-07	4.24E-05	0.00E+00	0.00E+00	4.24E-05	2.29E-07	0.00E+00	2.29E-07	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	6.74E-05
4604	ALL	491898.3	3613326	NonCancer	7.36E-05	2.50E-07	4.63E-05	0.00E+00	0.00E+00	4.63E-05	2.50E-07	0.00E+00	2.50E-07	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	7.36E-05
4605	ALL	491908.2	3613346	NonCancer	7.97E-05	2.71E-07	5.02E-05	0.00E+00	0.00E+00	5.02E-05	2.71E-07	0.00E+00	2.71E-07	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	7.97E-05
4606	ALL	491918	3613367	NonCancer	8.54E-05	2.90E-07	5.38E-05	0.00E+00	0.00E+00	5.38E-05	2.90E-07	0.00E+00	2.90E-07	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	8.54E-05
4607	ALL	491927.9	3613388	NonCancer	3.05E-04	1.04E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.05E-04
4608	ALL	491937.8	3613409	NonCancer	4.01E-04	1.36E-06	2.52E-04	0.00E+00	0.00E+00	2.52E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	4.01E-04
4609	ALL	491947.6	3613429	NonCancer	3.72E-04	1.27E-06	2.34E-04	0.00E+00	0.00E+00	2.34E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	3.72E-04
4610	ALL	491957.5	3613450	NonCancer	1.04E-04	3.54E-07	6.56E-05	0.00E+00	0.00E+00	6.56E-05	3.54E-07	0.00E+00	3.54E-07	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00	1.04E-04
4611	ALL	491967.4	3613471	NonCancer	1.07E-04	3.65E-07	6.77E-05	0.00E+00	0.00E+00	6.77E-05	3.65E-07	0.00E+00	3.65E-07	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	1.07E-04
4612	ALL	491977.3	3613492	NonCancer	1.10E-04	3.73E-07	6.91E-05	0.00E+00	0.00E+00	6.91E-05	3.73E-07	0.00E+00	3.73E-07	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	1.10E-04
4613	ALL	491987.1	3613512	NonCancer	1.11E-04	3.78E-07	6.99E-05	0.00E+00	0.00E+00	6.99E-05	3.78E-07	0.00E+00	3.78E-07	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	1.11E-04
4614	ALL	491997	3613533	NonCancer	1.11E-04	3.79E-07	7.01E-05	0.00E+00	0.00E+00	7.01E-05	3.79E-07	0.00E+00	3.79E-07	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	1.11E-04
4615	ALL	492006.9	3613554	NonCancer	1.11E-04	3.77E-07	6.98E-05	0.00E+00	0.00E+00	6.98E-05	3.77E-07	0.00E+00	3.77E-07	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	1.11E-04
4616	ALL	492016.7	3613575	NonCancer	1.09E-04	3.72E-07	6.88E-05	0.00E+00	0.00E+00	6.88E-05	3.72E-07	0.00E+00	3.72E-07	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	1.09E-04
4617	ALL	492076	3613699	NonCancer	8.48E-05	2.88E-07	5.34E-05	0.00E+00	0.00E+00	5.34E-05	2.88E-07	0.00E+00	2.88E-07	0.00E+00	0.00E+00	5.34E-05	0.00E+00	0.00E+00	8.48E-05
4618	ALL	492085.8	3613720	NonCancer	7.92E-05	2.69E-07	4.99E-05	0.00E+00	0.00E+00	4.99E-05	2.69E-07	0.00E+00	2.69E-07	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	7.92E-05
4619	ALL	492095.7	3613741	NonCancer	7.34E-05	2.50E-07	4.62E-05	0.00E+00	0.00E+00	4.62E-05	2.50E-07	0.00E+00	2.50E-07	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	7.34E-05
4620	ALL	492105.6	3613761	NonCancer	6.76E-05	2.30E-07	4.25E-05	0.00E+00	0.00E+00	4.25E-05	2.30E-07	0.00E+00	2.30E-07	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00	6.76E-05
4621	ALL	492115.4	3613782	NonCancer	6.18E-05	2.10E-07	3.89E-05	0.00E+00	0.00E+00	3.89E-05	2.10E-07	0.00E+00	2.10E-07	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	6.18E-05
4622	ALL	492125.3	3613803	NonCancer	5.79E-05	1.97E-07	3.64E-05	0.00E+00	0.00E+00	3.64E-05	1.97E-07	0.00E+00	1.97E-07	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	5.79E-05
4623	ALL	492135.2	3613824	NonCancer	5.87E-05	2.00E-07	3.70E-05	0.00E+00	0.00E+00	3.70E-05	2.00E-07	0.00E+00	2.00E-07	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	5.87E-05
4624	ALL	492145.1	3613844	NonCancer	1.79E-04	6.07E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.07E-07	0.00E+00	6.07E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.79E-04
4625	ALL	489305.5	3611120	NonCancer	3.40E-04	1.16E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.40E-04
4626	ALL	489282.4	3611119	NonCancer	3.32E-04	1.13E-06	2.09E-04	0.00E+00	0.00E+00	2.09E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.32E-04
4627	ALL	489259.4	3611118	NonCancer	3.42E-04	1.16E-06	2.16E-04	0.00E+00	0.00E+00	2.16E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	3.42E-04

4628	ALL	489236.3	3611117	NonCancer	3.48E-04	1.18E-06	2.19E-04	0.00E+00	0.00E+00	2.19E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	3.48E-04
4629	ALL	489213.2	3611116	NonCancer	3.49E-04	1.19E-06	2.20E-04	0.00E+00	0.00E+00	2.20E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	3.49E-04
4630	ALL	489345.3	3610730	NonCancer	2.89E-04	9.84E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.84E-07	0.00E+00	9.84E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.89E-04
4631	ALL	489366.5	3610739	NonCancer	2.89E-04	9.84E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.84E-07	0.00E+00	9.84E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.89E-04
4632	ALL	489387.6	3610748	NonCancer	2.85E-04	9.71E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.71E-07	0.00E+00	9.71E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.85E-04
4633	ALL	489408.8	3610757	NonCancer	2.78E-04	9.45E-07	1.75E-04	0.00E+00	0.00E+00	1.75E-04	9.45E-07	0.00E+00	9.45E-07	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	2.78E-04
4634	ALL	489429.9	3610766	NonCancer	2.67E-04	9.09E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.09E-07	0.00E+00	9.09E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.67E-04
4635	ALL	489451.1	3610775	NonCancer	2.55E-04	8.67E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.67E-07	0.00E+00	8.67E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.55E-04
4636	ALL	489472.3	3610785	NonCancer	2.50E-04	8.49E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.49E-07	0.00E+00	8.49E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.50E-04
4637	ALL	489493.4	3610794	NonCancer	2.42E-04	8.22E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.22E-07	0.00E+00	8.22E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.42E-04
4638	ALL	489514.6	3610803	NonCancer	2.32E-04	7.89E-07	1.46E-04	0.00E+00	0.00E+00	1.46E-04	7.89E-07	0.00E+00	7.89E-07	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	2.32E-04
4639	ALL	489535.7	3610812	NonCancer	2.20E-04	7.49E-07	1.39E-04	0.00E+00	0.00E+00	1.39E-04	7.49E-07	0.00E+00	7.49E-07	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	2.20E-04
4640	ALL	489556.9	3610821	NonCancer	2.23E-04	7.60E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.60E-07	0.00E+00	7.60E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.23E-04
4641	ALL	489578	3610830	NonCancer	2.26E-04	7.68E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.68E-07	0.00E+00	7.68E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.26E-04
4642	ALL	489599.2	3610839	NonCancer	2.26E-04	7.69E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.69E-07	0.00E+00	7.69E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.26E-04
4643	ALL	489620.3	3610848	NonCancer	2.26E-04	7.67E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.67E-07	0.00E+00	7.67E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.26E-04
4644	ALL	489641.5	3610857	NonCancer	2.34E-04	7.94E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.94E-07	0.00E+00	7.94E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.34E-04
4645	ALL	489662.7	3610867	NonCancer	2.39E-04	8.14E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.14E-07	0.00E+00	8.14E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.39E-04
4646	ALL	489683.8	3610876	NonCancer	2.43E-04	8.26E-07	1.53E-04	0.00E+00	0.00E+00	1.53E-04	8.26E-07	0.00E+00	8.26E-07	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	2.43E-04
4647	ALL	489705	3610885	NonCancer	2.57E-04	8.75E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.75E-07	0.00E+00	8.75E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.57E-04
4648	ALL	489726.1	3610894	NonCancer	2.72E-04	9.25E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.25E-07	0.00E+00	9.25E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.72E-04
4649	ALL	489747.3	3610903	NonCancer	2.84E-04	9.66E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.66E-07	0.00E+00	9.66E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.84E-04
4650	ALL	489768.4	3610912	NonCancer	2.93E-04	9.97E-07	1.85E-04	0.00E+00	0.00E+00	1.85E-04	9.97E-07	0.00E+00	9.97E-07	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.93E-04
4651	ALL	489789.6	3610921	NonCancer	2.99E-04	1.02E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.99E-04
4652	ALL	489810.7	3610930	NonCancer	3.01E-04	1.02E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.01E-04
4653	ALL	489831.9	3610939	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
4654	ALL	489853	3610949	NonCancer	2.96E-04	1.01E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.96E-04
4655	ALL	489874.2	3610958	NonCancer	2.87E-04	9.77E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.77E-07	0.00E+00	9.77E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.87E-04
4656	ALL	489895.4	3610967	NonCancer	2.76E-04	9.38E-07	1.74E-04	0.00E+00	0.00E+00	1.74E-04	9.38E-07	0.00E+00	9.38E-07	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	2.76E-04
4657	ALL	489916.5	3610976	NonCancer	2.62E-04	8.89E-07	1.65E-04	0.00E+00	0.00E+00	1.65E-04	8.89E-07	0.00E+00	8.89E-07	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	2.62E-04
4658	ALL	489937.7	3610985	NonCancer	2.45E-04	8.33E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.33E-07	0.00E+00	8.33E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.45E-04
4659	ALL	489958.8	3610994	NonCancer	2.56E-04	8.70E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.70E-07	0.00E+00	8.70E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.56E-04
4660	ALL	489980	3611003	NonCancer	2.65E-04	9.01E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.01E-07	0.00E+00	9.01E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.65E-04
4661	ALL	490001.1	3611012	NonCancer	2.71E-04	9.21E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.21E-07	0.00E+00	9.21E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.71E-04
4662	ALL	490022.3	3611021	NonCancer	2.74E-04	9.31E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.31E-07	0.00E+00	9.31E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.74E-04
4663	ALL	490043.4	3611031	NonCancer	2.74E-04	9.31E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.31E-07	0.00E+00	9.31E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.74E-04
4664	ALL	490064.6	3611040	NonCancer	2.76E-04	9.39E-07	1.74E-04	0.00E+00	0.00E+00	1.74E-04	9.39E-07	0.00E+00	9.39E-07	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	2.76E-04
4665	ALL	490085.8	3611049	NonCancer	2.87E-04	9.76E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.76E-07	0.00E+00	9.76E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.87E-04
4666	ALL	490106.9	3611058	NonCancer	2.95E-04	1.00E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.95E-04
4667	ALL	490128.1	3611067	NonCancer	2.99E-04	1.01E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.99E-04
4668	ALL	490149.2	3611076	NonCancer	3.02E-04	1.03E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.02E-04
4669	ALL	490170.4	3611085	NonCancer	3.08E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.08E-04
4670	ALL	490191.5	3611094	NonCancer	3.10E-04	1.05E-06	1.95E-04	0.00E+00	0.00E+00	1.95E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	3.10E-04
4671	ALL	490212.7	3611103	NonCancer	3.07E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.07E-04
4672	ALL	490233.8	3611113	NonCancer	3.01E-04	1.02E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.01E-04
4673	ALL	490255	3611122	NonCancer	2.92E-04	9.91E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.91E-07	0.00E+00	9.91E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.92E-04
4674	ALL	490276.2	3611131	NonCancer	2.81E-04	9.54E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.54E-07	0.00E+00	9.54E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.81E-04
4675	ALL	490297.3	3611140	NonCancer	2.73E-04	9.29E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.29E-07	0.00E+00	9.29E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.73E-04
4676	ALL	490318.5	3611149	NonCancer	2.67E-04	9.09E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.09E-07	0.00E+00	9.09E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.67E-04
4677	ALL	490339.6	3611158	NonCancer	2.80E-04	9.52E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.52E-07	0.00E+00	9.52E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.80E-04
4678	ALL	490360.8	3611167	NonCancer	2.89E-04	9.84E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.84E-07	0.00E+00	9.84E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.89E-04
4679	ALL	490381.9	3611176	NonCancer	2.95E-04	1.00E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.95E-04

4680	ALL	490403.1	3611185	NonCancer	2.97E-04	1.01E-06	1.87E-04	0.00E+00	0.00E+00	1.87E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	2.97E-04
4681	ALL	490424.2	3611195	NonCancer	2.95E-04	1.00E-06	1.85E-04	0.00E+00	0.00E+00	1.85E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.95E-04
4682	ALL	490445.4	3611204	NonCancer	2.88E-04	9.81E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.81E-07	0.00E+00	9.81E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.88E-04
4683	ALL	490466.5	3611213	NonCancer	2.82E-04	9.58E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.58E-07	0.00E+00	9.58E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.82E-04
4684	ALL	490487.7	3611222	NonCancer	2.78E-04	9.46E-07	1.75E-04	0.00E+00	0.00E+00	1.75E-04	9.46E-07	0.00E+00	9.46E-07	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	2.78E-04
4685	ALL	490508.9	3611231	NonCancer	2.87E-04	9.76E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.76E-07	0.00E+00	9.76E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.87E-04
4686	ALL	490530	3611240	NonCancer	2.94E-04	1.00E-06	1.85E-04	0.00E+00	0.00E+00	1.85E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.94E-04
4687	ALL	490551.2	3611249	NonCancer	2.98E-04	1.01E-06	1.87E-04	0.00E+00	0.00E+00	1.87E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	2.98E-04
4688	ALL	490572.3	3611258	NonCancer	4.44E-04	1.51E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.44E-04
4689	ALL	490593.5	3611267	NonCancer	2.93E-04	9.96E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.96E-07	0.00E+00	9.96E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.93E-04
4690	ALL	490614.6	3611277	NonCancer	2.85E-04	9.69E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.69E-07	0.00E+00	9.69E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.85E-04
4691	ALL	490635.8	3611286	NonCancer	2.74E-04	9.30E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.30E-07	0.00E+00	9.30E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.74E-04
4692	ALL	490656.9	3611295	NonCancer	2.64E-04	8.97E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.97E-07	0.00E+00	8.97E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.64E-04
4693	ALL	490678.1	3611304	NonCancer	2.63E-04	8.94E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.94E-07	0.00E+00	8.94E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.63E-04
4694	ALL	490699.3	3611313	NonCancer	4.90E-04	1.67E-06	3.08E-04	0.00E+00	0.00E+00	3.08E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	4.90E-04
4695	ALL	490720.4	3611322	NonCancer	4.67E-04	1.59E-06	2.94E-04	0.00E+00	0.00E+00	2.94E-04	1.59E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	4.67E-04
4696	ALL	490741.6	3611331	NonCancer	4.91E-04	1.67E-06	3.09E-04	0.00E+00	0.00E+00	3.09E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	4.91E-04
4697	ALL	490762.7	3611340	NonCancer	5.25E-04	1.79E-06	3.31E-04	0.00E+00	0.00E+00	3.31E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	5.25E-04
4698	ALL	490783.9	3611349	NonCancer	5.84E-04	1.99E-06	3.68E-04	0.00E+00	0.00E+00	3.68E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	5.84E-04
4699	ALL	490805	3611359	NonCancer	6.20E-04	2.11E-06	3.90E-04	0.00E+00	0.00E+00	3.90E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	6.20E-04
4700	ALL	490826.2	3611368	NonCancer	6.14E-04	2.09E-06	3.86E-04	0.00E+00	0.00E+00	3.86E-04	2.09E-06	0.00E+00	2.09E-06	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	6.14E-04
4701	ALL	490847.3	3611377	NonCancer	6.58E-04	2.24E-06	4.14E-04	0.00E+00	0.00E+00	4.14E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	6.58E-04
4702	ALL	490868.5	3611386	NonCancer	7.16E-04	2.43E-06	4.51E-04	0.00E+00	0.00E+00	4.51E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	7.16E-04
4703	ALL	490889.7	3611395	NonCancer	7.87E-04	2.67E-06	4.95E-04	0.00E+00	0.00E+00	4.95E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	7.87E-04
4704	ALL	490910.8	3611404	NonCancer	8.29E-04	2.82E-06	5.22E-04	0.00E+00	0.00E+00	5.22E-04	2.82E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	8.29E-04
4705	ALL	490932	3611413	NonCancer	8.39E-04	2.85E-06	5.29E-04	0.00E+00	0.00E+00	5.29E-04	2.85E-06	0.00E+00	2.85E-06	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	8.39E-04
4706	ALL	490953.1	3611422	NonCancer	8.31E-04	2.82E-06	5.23E-04	0.00E+00	0.00E+00	5.23E-04	2.82E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	8.31E-04
4707	ALL	490974.3	3611431	NonCancer	8.10E-04	2.75E-06	5.10E-04	0.00E+00	0.00E+00	5.10E-04	2.75E-06	0.00E+00	2.75E-06	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	8.10E-04
4708	ALL	490995.4	3611441	NonCancer	7.70E-04	2.62E-06	4.85E-04	0.00E+00	0.00E+00	4.85E-04	2.62E-06	0.00E+00	2.62E-06	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	7.70E-04
4709	ALL	491016.6	3611450	NonCancer	7.08E-04	2.41E-06	4.46E-04	0.00E+00	0.00E+00	4.46E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	7.08E-04
4710	ALL	491037.7	3611459	NonCancer	7.19E-04	2.44E-06	4.53E-04	0.00E+00	0.00E+00	4.53E-04	2.44E-06	0.00E+00	2.44E-06	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	7.19E-04
4711	ALL	491058.9	3611468	NonCancer	7.55E-04	2.57E-06	4.75E-04	0.00E+00	0.00E+00	4.75E-04	2.57E-06	0.00E+00	2.57E-06	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	7.55E-04
4712	ALL	491080.1	3611477	NonCancer	7.81E-04	2.66E-06	4.92E-04	0.00E+00	0.00E+00	4.92E-04	2.66E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	7.81E-04
4713	ALL	491101.2	3611486	NonCancer	8.00E-04	2.72E-06	5.04E-04	0.00E+00	0.00E+00	5.04E-04	2.72E-06	0.00E+00	2.72E-06	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	8.00E-04
4714	ALL	491122.4	3611495	NonCancer	8.35E-04	2.84E-06	5.26E-04	0.00E+00	0.00E+00	5.26E-04	2.84E-06	0.00E+00	2.84E-06	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	8.35E-04
4715	ALL	491143.5	3611504	NonCancer	8.57E-04	2.92E-06	5.40E-04	0.00E+00	0.00E+00	5.40E-04	2.92E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	8.57E-04
4716	ALL	491164.7	3611513	NonCancer	8.55E-04	2.91E-06	5.38E-04	0.00E+00	0.00E+00	5.38E-04	2.91E-06	0.00E+00	2.91E-06	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	8.55E-04
4717	ALL	491185.8	3611523	NonCancer	8.34E-04	2.84E-06	5.25E-04	0.00E+00	0.00E+00	5.25E-04	2.84E-06	0.00E+00	2.84E-06	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	8.34E-04
4718	ALL	491207	3611532	NonCancer	8.13E-04	2.77E-06	5.12E-04	0.00E+00	0.00E+00	5.12E-04	2.77E-06	0.00E+00	2.77E-06	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	8.13E-04
4719	ALL	491228.1	3611541	NonCancer	7.65E-04	2.60E-06	4.82E-04	0.00E+00	0.00E+00	4.82E-04	2.60E-06	0.00E+00	2.60E-06	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	7.65E-04
4720	ALL	491249.3	3611550	NonCancer	7.04E-04	2.39E-06	4.43E-04	0.00E+00	0.00E+00	4.43E-04	2.39E-06	0.00E+00	2.39E-06	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	7.04E-04
4721	ALL	491270.4	3611559	NonCancer	6.36E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.36E-04
4722	ALL	491291.6	3611568	NonCancer	5.57E-04	1.89E-06	3.51E-04	0.00E+00	0.00E+00	3.51E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	5.57E-04
4723	ALL	491312.8	3611577	NonCancer	4.96E-04	1.69E-06	3.12E-04	0.00E+00	0.00E+00	3.12E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	4.96E-04
4724	ALL	491333.9	3611586	NonCancer	4.61E-04	1.57E-06	2.90E-04	0.00E+00	0.00E+00	2.90E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	4.61E-04
4725	ALL	491355.1	3611595	NonCancer	4.61E-04	1.57E-06	2.90E-04	0.00E+00	0.00E+00	2.90E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	4.61E-04
4726	ALL	491376.2	3611605	NonCancer	4.82E-04	1.64E-06	3.04E-04	0.00E+00	0.00E+00	3.04E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	4.82E-04
4727	ALL	491397.4	3611614	NonCancer	5.08E-04	1.73E-06	3.20E-04	0.00E+00	0.00E+00	3.20E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	5.08E-04
4728	ALL	491418.5	3611623	NonCancer	5.62E-04	1.91E-06	3.54E-04	0.00E+00	0.00E+00	3.54E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	5.62E-04
4729	ALL	491439.7	3611632	NonCancer	6.13E-04	2.08E-06	3.86E-04	0.00E+00	0.00E+00	3.86E-04	2.08E-06	0.00E+00	2.08E-06	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	6.13E-04
4730	ALL	491460.8	3611641	NonCancer	6.59E-04	2.24E-06	4.15E-04	0.00E+00	0.00E+00	4.15E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	6.59E-04
4731	ALL	491482	3611650	NonCancer	6.98E-04	2.37E-06	4.40E-04	0.00E+00	0.00E+00	4.40E-04	2.37E-06	0.00E+00	2.37E-06	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	6.98E-04

4732	ALL	491503.2	3611659	NonCancer	7.29E-04	2.48E-06	4.59E-04	0.00E+00	0.00E+00	4.59E-04	2.48E-06	0.00E+00	2.48E-06	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	7.29E-04
4733	ALL	491534.2	3611689	NonCancer	7.62E-04	2.59E-06	4.80E-04	0.00E+00	0.00E+00	4.80E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	7.62E-04
4734	ALL	491544.1	3611710	NonCancer	7.63E-04	2.59E-06	4.80E-04	0.00E+00	0.00E+00	4.80E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	7.63E-04
4735	ALL	491554	3611731	NonCancer	7.50E-04	2.55E-06	4.72E-04	0.00E+00	0.00E+00	4.72E-04	2.55E-06	0.00E+00	2.55E-06	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	7.50E-04
4736	ALL	491563.9	3611752	NonCancer	7.27E-04	2.47E-06	4.58E-04	0.00E+00	0.00E+00	4.58E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	7.27E-04
4737	ALL	491573.8	3611772	NonCancer	6.93E-04	2.36E-06	4.36E-04	0.00E+00	0.00E+00	4.36E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	6.93E-04
4738	ALL	491583.7	3611793	NonCancer	6.89E-04	2.34E-06	4.34E-04	0.00E+00	0.00E+00	4.34E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	6.89E-04
4739	ALL	491593.6	3611814	NonCancer	6.97E-04	2.37E-06	4.39E-04	0.00E+00	0.00E+00	4.39E-04	2.37E-06	0.00E+00	2.37E-06	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	6.97E-04
4740	ALL	491603.5	3611835	NonCancer	6.91E-04	2.35E-06	4.35E-04	0.00E+00	0.00E+00	4.35E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	6.91E-04
4741	ALL	491613.4	3611856	NonCancer	6.72E-04	2.28E-06	4.23E-04	0.00E+00	0.00E+00	4.23E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	6.72E-04
4742	ALL	491623.3	3611876	NonCancer	6.40E-04	2.18E-06	4.03E-04	0.00E+00	0.00E+00	4.03E-04	2.18E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	6.40E-04
4743	ALL	491633.2	3611897	NonCancer	5.98E-04	2.03E-06	3.76E-04	0.00E+00	0.00E+00	3.76E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	5.98E-04
4744	ALL	491643.1	3611918	NonCancer	5.48E-04	1.86E-06	3.45E-04	0.00E+00	0.00E+00	3.45E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	5.48E-04
4745	ALL	491653	3611939	NonCancer	4.92E-04	1.67E-06	3.10E-04	0.00E+00	0.00E+00	3.10E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	4.92E-04
4746	ALL	491662.9	3611960	NonCancer	4.82E-04	1.64E-06	3.04E-04	0.00E+00	0.00E+00	3.04E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	4.82E-04
4747	ALL	491672.8	3611980	NonCancer	5.11E-04	1.74E-06	3.22E-04	0.00E+00	0.00E+00	3.22E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.11E-04
4748	ALL	491682.6	3612001	NonCancer	5.44E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.44E-04
4749	ALL	491692.5	3612022	NonCancer	5.94E-04	2.02E-06	3.74E-04	0.00E+00	0.00E+00	3.74E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	5.94E-04
4750	ALL	491702.4	3612043	NonCancer	6.32E-04	2.15E-06	3.98E-04	0.00E+00	0.00E+00	3.98E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	6.32E-04
4751	ALL	491712.3	3612064	NonCancer	6.62E-04	2.25E-06	4.17E-04	0.00E+00	0.00E+00	4.17E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	6.62E-04
4752	ALL	491722.2	3612084	NonCancer	6.79E-04	2.31E-06	4.27E-04	0.00E+00	0.00E+00	4.27E-04	2.31E-06	0.00E+00	2.31E-06	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	6.79E-04
4753	ALL	491732.1	3612105	NonCancer	6.81E-04	2.32E-06	4.29E-04	0.00E+00	0.00E+00	4.29E-04	2.32E-06	0.00E+00	2.32E-06	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	6.81E-04
4754	ALL	491742	3612126	NonCancer	6.65E-04	2.26E-06	4.19E-04	0.00E+00	0.00E+00	4.19E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	6.65E-04
4755	ALL	491751.9	3612147	NonCancer	6.39E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.39E-04
4756	ALL	491761.8	3612168	NonCancer	6.02E-04	2.05E-06	3.79E-04	0.00E+00	0.00E+00	3.79E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	6.02E-04
4757	ALL	491771.7	3612188	NonCancer	5.54E-04	1.88E-06	3.49E-04	0.00E+00	0.00E+00	3.49E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	5.54E-04
4758	ALL	491781.6	3612209	NonCancer	5.35E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.35E-04
4759	ALL	491791.5	3612230	NonCancer	5.30E-04	1.80E-06	3.33E-04	0.00E+00	0.00E+00	3.33E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	5.30E-04
4760	ALL	491801.4	3612251	NonCancer	5.18E-04	1.76E-06	3.26E-04	0.00E+00	0.00E+00	3.26E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	5.18E-04
4761	ALL	491811.3	3612272	NonCancer	4.85E-04	1.65E-06	3.06E-04	0.00E+00	0.00E+00	3.06E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	4.85E-04
4762	ALL	491821.2	3612292	NonCancer	4.37E-04	1.49E-06	2.75E-04	0.00E+00	0.00E+00	2.75E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	4.37E-04
4763	ALL	491831.1	3612313	NonCancer	3.83E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.83E-04
4764	ALL	491841	3612334	NonCancer	3.52E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.52E-04
4765	ALL	491850.9	3612355	NonCancer	2.84E-04	9.66E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.66E-07	0.00E+00	9.66E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.84E-04
4766	ALL	491860.8	3612376	NonCancer	1.63E-04	5.54E-07	1.03E-04	0.00E+00	0.00E+00	1.03E-04	5.54E-07	0.00E+00	5.54E-07	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	1.63E-04
4767	ALL	491870.7	3612396	NonCancer	1.78E-04	6.04E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.04E-07	0.00E+00	6.04E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.78E-04
4768	ALL	491880.6	3612417	NonCancer	2.29E-04	7.78E-07	1.44E-04	0.00E+00	0.00E+00	1.44E-04	7.78E-07	0.00E+00	7.78E-07	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	2.29E-04
4769	ALL	491890.5	3612438	NonCancer	2.69E-04	9.16E-07	1.70E-04	0.00E+00	0.00E+00	1.70E-04	9.16E-07	0.00E+00	9.16E-07	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	2.69E-04
4770	ALL	491900.4	3612459	NonCancer	2.22E-04	7.56E-07	1.40E-04	0.00E+00	0.00E+00	1.40E-04	7.56E-07	0.00E+00	7.56E-07	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	2.22E-04
4771	ALL	491910.3	3612480	NonCancer	6.47E-05	2.20E-07	4.08E-05	0.00E+00	0.00E+00	4.08E-05	2.20E-07	0.00E+00	2.20E-07	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00	6.47E-05
4772	ALL	491920.2	3612500	NonCancer	6.71E-05	2.28E-07	4.22E-05	0.00E+00	0.00E+00	4.22E-05	2.28E-07	0.00E+00	2.28E-07	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	6.71E-05
4773	ALL	491930.1	3612521	NonCancer	6.95E-05	2.36E-07	4.38E-05	0.00E+00	0.00E+00	4.38E-05	2.36E-07	0.00E+00	2.36E-07	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	6.95E-05
4774	ALL	491940	3612542	NonCancer	7.19E-05	2.45E-07	4.53E-05	0.00E+00	0.00E+00	4.53E-05	2.45E-07	0.00E+00	2.45E-07	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	7.19E-05
4775	ALL	491949.8	3612563	NonCancer	7.57E-05	2.57E-07	4.77E-05	0.00E+00	0.00E+00	4.77E-05	2.57E-07	0.00E+00	2.57E-07	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	7.57E-05
4776	ALL	491959.7	3612584	NonCancer	7.95E-05	2.70E-07	5.01E-05	0.00E+00	0.00E+00	5.01E-05	2.70E-07	0.00E+00	2.70E-07	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	7.95E-05
4777	ALL	491969.6	3612604	NonCancer	8.07E-05	2.75E-07	5.08E-05	0.00E+00	0.00E+00	5.08E-05	2.75E-07	0.00E+00	2.75E-07	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	8.07E-05
4778	ALL	491979.5	3612625	NonCancer	8.00E-05	2.72E-07	5.04E-05	0.00E+00	0.00E+00	5.04E-05	2.72E-07	0.00E+00	2.72E-07	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	8.00E-05
4779	ALL	491989.4	3612646	NonCancer	7.93E-05	2.70E-07	4.99E-05	0.00E+00	0.00E+00	4.99E-05	2.70E-07	0.00E+00	2.70E-07	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	7.93E-05
4780	ALL	491999.3	3612667	NonCancer	7.75E-05	2.63E-07	4.88E-05	0.00E+00	0.00E+00	4.88E-05	2.63E-07	0.00E+00	2.63E-07	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	7.75E-05
4781	ALL	492009.2	3612688	NonCancer	7.68E-05	2.61E-07	4.84E-05	0.00E+00	0.00E+00	4.84E-05	2.61E-07	0.00E+00	2.61E-07	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	7.68E-05
4782	ALL	492019.1	3612708	NonCancer	7.66E-05	2.60E-07	4.82E-05	0.00E+00	0.00E+00	4.82E-05	2.60E-07	0.00E+00	2.60E-07	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	7.66E-05
4783	ALL	492029	3612729	NonCancer	7.61E-05	2.59E-07	4.79E-05	0.00E+00	0.00E+00	4.79E-05	2.59E-07	0.00E+00	2.59E-07	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	7.61E-05

4784	ALL	492038.9	3612750	NonCancer	7.54E-05	2.56E-07	4.75E-05	0.00E+00	0.00E+00	4.75E-05	2.56E-07	0.00E+00	2.56E-07	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	7.54E-05
4785	ALL	492048.8	3612771	NonCancer	7.41E-05	2.52E-07	4.67E-05	0.00E+00	0.00E+00	4.67E-05	2.52E-07	0.00E+00	2.52E-07	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	7.41E-05
4786	ALL	492058.7	3612792	NonCancer	7.23E-05	2.46E-07	4.55E-05	0.00E+00	0.00E+00	4.55E-05	2.46E-07	0.00E+00	2.46E-07	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	7.23E-05
4787	ALL	492068.6	3612812	NonCancer	7.06E-05	2.40E-07	4.45E-05	0.00E+00	0.00E+00	4.45E-05	2.40E-07	0.00E+00	2.40E-07	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	7.06E-05
4788	ALL	492078.5	3612833	NonCancer	7.10E-05	2.41E-07	4.47E-05	0.00E+00	0.00E+00	4.47E-05	2.41E-07	0.00E+00	2.41E-07	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00	7.10E-05
4789	ALL	492088.4	3612854	NonCancer	6.86E-05	2.33E-07	4.32E-05	0.00E+00	0.00E+00	4.32E-05	2.33E-07	0.00E+00	2.33E-07	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	6.86E-05
4790	ALL	492098.3	3612875	NonCancer	6.34E-05	2.15E-07	3.99E-05	0.00E+00	0.00E+00	3.99E-05	2.15E-07	0.00E+00	2.15E-07	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	6.34E-05
4791	ALL	492108.2	3612896	NonCancer	6.23E-05	2.12E-07	3.92E-05	0.00E+00	0.00E+00	3.92E-05	2.12E-07	0.00E+00	2.12E-07	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	6.23E-05
4792	ALL	492118.1	3612916	NonCancer	5.94E-05	2.02E-07	3.74E-05	0.00E+00	0.00E+00	3.74E-05	2.02E-07	0.00E+00	2.02E-07	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	5.94E-05
4793	ALL	492128	3612937	NonCancer	5.44E-05	1.85E-07	3.43E-05	0.00E+00	0.00E+00	3.43E-05	1.85E-07	0.00E+00	1.85E-07	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	5.44E-05
4794	ALL	492137.9	3612958	NonCancer	2.01E-04	6.85E-07	1.27E-04	0.00E+00	0.00E+00	1.27E-04	6.85E-07	0.00E+00	6.85E-07	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	2.01E-04
4795	ALL	492147.8	3612979	NonCancer	2.87E-04	9.76E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.76E-07	0.00E+00	9.76E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.87E-04
4796	ALL	492157.7	3613000	NonCancer	3.34E-04	1.14E-06	2.10E-04	0.00E+00	0.00E+00	2.10E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	3.34E-04
4797	ALL	492167.6	3613020	NonCancer	3.47E-04	1.18E-06	2.19E-04	0.00E+00	0.00E+00	2.19E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	3.47E-04
4798	ALL	492177.5	3613041	NonCancer	3.15E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.15E-04
4799	ALL	492187.4	3613062	NonCancer	5.31E-05	1.81E-07	3.34E-05	0.00E+00	0.00E+00	3.34E-05	1.81E-07	0.00E+00	1.81E-07	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	5.31E-05
4800	ALL	492197.3	3613083	NonCancer	5.61E-05	1.91E-07	3.53E-05	0.00E+00	0.00E+00	3.53E-05	1.91E-07	0.00E+00	1.91E-07	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	5.61E-05
4801	ALL	492207.1	3613104	NonCancer	2.26E-04	7.68E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.68E-07	0.00E+00	7.68E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.26E-04
4802	ALL	492217	3613124	NonCancer	2.54E-04	8.64E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.64E-07	0.00E+00	8.64E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.54E-04
4803	ALL	492226.9	3613145	NonCancer	2.85E-04	9.69E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.69E-07	0.00E+00	9.69E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.85E-04
4804	ALL	492236.8	3613166	NonCancer	2.73E-04	9.27E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.27E-07	0.00E+00	9.27E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.73E-04
4805	ALL	492246.7	3613187	NonCancer	2.48E-04	8.44E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.44E-07	0.00E+00	8.44E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
4806	ALL	492256.6	3613208	NonCancer	2.21E-04	7.52E-07	1.39E-04	0.00E+00	0.00E+00	1.39E-04	7.52E-07	0.00E+00	7.52E-07	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	2.21E-04
4807	ALL	492266.5	3613228	NonCancer	2.10E-04	7.13E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.13E-07	0.00E+00	7.13E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.10E-04
4808	ALL	492276.4	3613249	NonCancer	2.18E-04	7.40E-07	1.37E-04	0.00E+00	0.00E+00	1.37E-04	7.40E-07	0.00E+00	7.40E-07	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	2.18E-04
4809	ALL	492286.3	3613270	NonCancer	1.94E-04	6.58E-07	1.22E-04	0.00E+00	0.00E+00	1.22E-04	6.58E-07	0.00E+00	6.58E-07	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	1.94E-04
4810	ALL	492296.2	3613291	NonCancer	2.21E-04	7.52E-07	1.39E-04	0.00E+00	0.00E+00	1.39E-04	7.52E-07	0.00E+00	7.52E-07	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	2.21E-04
4811	ALL	492306.1	3613312	NonCancer	1.72E-04	5.85E-07	1.08E-04	0.00E+00	0.00E+00	1.08E-04	5.85E-07	0.00E+00	5.85E-07	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	1.72E-04
4812	ALL	492316	3613332	NonCancer	8.47E-05	2.88E-07	5.34E-05	0.00E+00	0.00E+00	5.34E-05	2.88E-07	0.00E+00	2.88E-07	0.00E+00	0.00E+00	5.34E-05	0.00E+00	0.00E+00	8.47E-05
4813	ALL	492325.9	3613353	NonCancer	8.78E-05	2.98E-07	5.53E-05	0.00E+00	0.00E+00	5.53E-05	2.98E-07	0.00E+00	2.98E-07	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	8.78E-05
4814	ALL	492335.8	3613374	NonCancer	9.01E-05	3.06E-07	5.67E-05	0.00E+00	0.00E+00	5.67E-05	3.06E-07	0.00E+00	3.06E-07	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	9.01E-05
4815	ALL	492345.7	3613395	NonCancer	9.17E-05	3.12E-07	5.77E-05	0.00E+00	0.00E+00	5.77E-05	3.12E-07	0.00E+00	3.12E-07	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	9.17E-05
4816	ALL	492355.6	3613416	NonCancer	9.27E-05	3.15E-07	5.84E-05	0.00E+00	0.00E+00	5.84E-05	3.15E-07	0.00E+00	3.15E-07	0.00E+00	0.00E+00	5.84E-05	0.00E+00	0.00E+00	9.27E-05
4817	ALL	492365.5	3613436	NonCancer	9.33E-05	3.17E-07	5.87E-05	0.00E+00	0.00E+00	5.87E-05	3.17E-07	0.00E+00	3.17E-07	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	9.33E-05
4818	ALL	492375.4	3613457	NonCancer	9.29E-05	3.16E-07	5.85E-05	0.00E+00	0.00E+00	5.85E-05	3.16E-07	0.00E+00	3.16E-07	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00	9.29E-05
4819	ALL	492385.3	3613478	NonCancer	2.91E-04	9.90E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.90E-07	0.00E+00	9.90E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.91E-04
4820	ALL	492395.2	3613499	NonCancer	3.22E-04	1.10E-06	2.03E-04	0.00E+00	0.00E+00	2.03E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	3.22E-04
4821	ALL	492405.1	3613520	NonCancer	2.95E-04	1.00E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.95E-04
4822	ALL	492454.6	3613624	NonCancer	7.06E-05	2.40E-07	4.44E-05	0.00E+00	0.00E+00	4.44E-05	2.40E-07	0.00E+00	2.40E-07	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	7.06E-05
4823	ALL	492464.4	3613644	NonCancer	6.62E-05	2.25E-07	4.17E-05	0.00E+00	0.00E+00	4.17E-05	2.25E-07	0.00E+00	2.25E-07	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	6.62E-05
4824	ALL	492474.3	3613665	NonCancer	6.17E-05	2.10E-07	3.89E-05	0.00E+00	0.00E+00	3.89E-05	2.10E-07	0.00E+00	2.10E-07	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	6.17E-05
4825	ALL	492484.2	3613686	NonCancer	5.72E-05	1.95E-07	3.60E-05	0.00E+00	0.00E+00	3.60E-05	1.95E-07	0.00E+00	1.95E-07	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	5.72E-05
4826	ALL	492494.1	3613707	NonCancer	5.45E-05	1.85E-07	3.43E-05	0.00E+00	0.00E+00	3.43E-05	1.85E-07	0.00E+00	1.85E-07	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	5.45E-05
4827	ALL	492504	3613728	NonCancer	5.29E-05	1.80E-07	3.33E-05	0.00E+00	0.00E+00	3.33E-05	1.80E-07	0.00E+00	1.80E-07	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	5.29E-05
4828	ALL	492513.9	3613748	NonCancer	5.10E-05	1.73E-07	3.21E-05	0.00E+00	0.00E+00	3.21E-05	1.73E-07	0.00E+00	1.73E-07	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	5.10E-05
4829	ALL	492523.8	3613769	NonCancer	5.28E-05	1.80E-07	3.32E-05	0.00E+00	0.00E+00	3.32E-05	1.80E-07	0.00E+00	1.80E-07	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	5.28E-05
4830	ALL	492533.7	3613790	NonCancer	3.63E-04	1.23E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.63E-04
4831	ALL	492543.6	3613811	NonCancer	3.57E-04	1.22E-06	2.25E-04	0.00E+00	0.00E+00	2.25E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	3.57E-04
4832	ALL	489324.2	3610721	NonCancer	2.86E-04	9.72E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.72E-07	0.00E+00	9.72E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.86E-04
4833	ALL	489301.1	3610720	NonCancer	2.79E-04	9.49E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.49E-07	0.00E+00	9.49E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.79E-04
4834	ALL	489278	3610719	NonCancer	2.85E-04	9.69E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.69E-07	0.00E+00	9.69E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.85E-04
4835	ALL	489255	3610718	NonCancer	2.91E-04	9.90E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.90E-07	0.00E+00	9.90E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.91E-04

4836	ALL	489231.9	3610716	NonCancer	2.93E-04	9.98E-07	1.85E-04	0.00E+00	0.00E+00	1.85E-04	9.98E-07	0.00E+00	9.98E-07	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.93E-04
4837	ALL	489364	3610330	NonCancer	2.48E-04	8.43E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.43E-07	0.00E+00	8.43E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
4838	ALL	489385.2	3610339	NonCancer	2.48E-04	8.44E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.44E-07	0.00E+00	8.44E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
4839	ALL	489406.4	3610349	NonCancer	2.46E-04	8.35E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.35E-07	0.00E+00	8.35E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.46E-04
4840	ALL	489427.6	3610358	NonCancer	2.40E-04	8.17E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.17E-07	0.00E+00	8.17E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04
4841	ALL	489448.8	3610367	NonCancer	2.33E-04	7.91E-07	1.46E-04	0.00E+00	0.00E+00	1.46E-04	7.91E-07	0.00E+00	7.91E-07	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	2.33E-04
4842	ALL	489470	3610376	NonCancer	2.23E-04	7.57E-07	1.40E-04	0.00E+00	0.00E+00	1.40E-04	7.57E-07	0.00E+00	7.57E-07	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	2.23E-04
4843	ALL	489491.2	3610385	NonCancer	2.16E-04	7.35E-07	1.36E-04	0.00E+00	0.00E+00	1.36E-04	7.35E-07	0.00E+00	7.35E-07	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	2.16E-04
4844	ALL	489512.4	3610394	NonCancer	2.11E-04	7.18E-07	1.33E-04	0.00E+00	0.00E+00	1.33E-04	7.18E-07	0.00E+00	7.18E-07	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.11E-04
4845	ALL	489533.6	3610403	NonCancer	2.05E-04	6.95E-07	1.29E-04	0.00E+00	0.00E+00	1.29E-04	6.95E-07	0.00E+00	6.95E-07	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	2.05E-04
4846	ALL	489554.8	3610413	NonCancer	1.96E-04	6.68E-07	1.24E-04	0.00E+00	0.00E+00	1.24E-04	6.68E-07	0.00E+00	6.68E-07	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	1.96E-04
4847	ALL	489576	3610422	NonCancer	1.87E-04	6.35E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.35E-07	0.00E+00	6.35E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.87E-04
4848	ALL	489597.2	3610431	NonCancer	1.90E-04	6.46E-07	1.20E-04	0.00E+00	0.00E+00	1.20E-04	6.46E-07	0.00E+00	6.46E-07	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	1.90E-04
4849	ALL	489618.4	3610440	NonCancer	1.92E-04	6.54E-07	1.21E-04	0.00E+00	0.00E+00	1.21E-04	6.54E-07	0.00E+00	6.54E-07	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.92E-04
4850	ALL	489639.6	3610449	NonCancer	1.93E-04	6.57E-07	1.22E-04	0.00E+00	0.00E+00	1.22E-04	6.57E-07	0.00E+00	6.57E-07	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	1.93E-04
4851	ALL	489660.8	3610458	NonCancer	1.92E-04	6.54E-07	1.21E-04	0.00E+00	0.00E+00	1.21E-04	6.54E-07	0.00E+00	6.54E-07	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.92E-04
4852	ALL	489682	3610467	NonCancer	1.95E-04	6.63E-07	1.23E-04	0.00E+00	0.00E+00	1.23E-04	6.63E-07	0.00E+00	6.63E-07	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	1.95E-04
4853	ALL	489703.2	3610476	NonCancer	2.01E-04	6.83E-07	1.26E-04	0.00E+00	0.00E+00	1.26E-04	6.83E-07	0.00E+00	6.83E-07	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	2.01E-04
4854	ALL	489724.4	3610486	NonCancer	2.05E-04	6.97E-07	1.29E-04	0.00E+00	0.00E+00	1.29E-04	6.97E-07	0.00E+00	6.97E-07	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	2.05E-04
4855	ALL	489745.6	3610495	NonCancer	2.08E-04	7.05E-07	1.31E-04	0.00E+00	0.00E+00	1.31E-04	7.05E-07	0.00E+00	7.05E-07	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	2.08E-04
4856	ALL	489766.8	3610504	NonCancer	2.18E-04	7.42E-07	1.37E-04	0.00E+00	0.00E+00	1.37E-04	7.42E-07	0.00E+00	7.42E-07	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	2.18E-04
4857	ALL	489788	3610513	NonCancer	2.30E-04	7.82E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.82E-07	0.00E+00	7.82E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
4858	ALL	489809.2	3610522	NonCancer	2.40E-04	8.16E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.16E-07	0.00E+00	8.16E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04
4859	ALL	489830.4	3610531	NonCancer	2.48E-04	8.43E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.43E-07	0.00E+00	8.43E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
4860	ALL	489851.6	3610540	NonCancer	2.54E-04	8.62E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.62E-07	0.00E+00	8.62E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.54E-04
4861	ALL	489872.8	3610549	NonCancer	2.57E-04	8.73E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.73E-07	0.00E+00	8.73E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.57E-04
4862	ALL	489894	3610559	NonCancer	2.57E-04	8.74E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.74E-07	0.00E+00	8.74E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.57E-04
4863	ALL	489915.2	3610568	NonCancer	2.55E-04	8.67E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.67E-07	0.00E+00	8.67E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.55E-04
4864	ALL	489936.4	3610577	NonCancer	2.50E-04	8.50E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.50E-07	0.00E+00	8.50E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.50E-04
4865	ALL	489957.6	3610586	NonCancer	2.43E-04	8.26E-07	1.53E-04	0.00E+00	0.00E+00	1.53E-04	8.26E-07	0.00E+00	8.26E-07	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	2.43E-04
4866	ALL	489978.8	3610595	NonCancer	2.33E-04	7.93E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.93E-07	0.00E+00	7.93E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.33E-04
4867	ALL	490000	3610604	NonCancer	2.22E-04	7.54E-07	1.40E-04	0.00E+00	0.00E+00	1.40E-04	7.54E-07	0.00E+00	7.54E-07	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	2.22E-04
4868	ALL	490021.2	3610613	NonCancer	2.09E-04	7.10E-07	1.31E-04	0.00E+00	0.00E+00	1.31E-04	7.10E-07	0.00E+00	7.10E-07	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	2.09E-04
4869	ALL	490042.4	3610623	NonCancer	2.15E-04	7.31E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.31E-07	0.00E+00	7.31E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.15E-04
4870	ALL	490063.6	3610632	NonCancer	2.23E-04	7.59E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.59E-07	0.00E+00	7.59E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.23E-04
4871	ALL	490084.8	3610641	NonCancer	2.29E-04	7.79E-07	1.44E-04	0.00E+00	0.00E+00	1.44E-04	7.79E-07	0.00E+00	7.79E-07	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	2.29E-04
4872	ALL	490106	3610650	NonCancer	2.33E-04	7.92E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.92E-07	0.00E+00	7.92E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.33E-04
4873	ALL	490127.2	3610659	NonCancer	2.34E-04	7.97E-07	1.48E-04	0.00E+00	0.00E+00	1.48E-04	7.97E-07	0.00E+00	7.97E-07	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	2.34E-04
4874	ALL	490148.4	3610668	NonCancer	2.33E-04	7.93E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.93E-07	0.00E+00	7.93E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.33E-04
4875	ALL	490169.6	3610677	NonCancer	2.37E-04	8.04E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.04E-07	0.00E+00	8.04E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.37E-04
4876	ALL	490190.8	3610686	NonCancer	2.45E-04	8.34E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.34E-07	0.00E+00	8.34E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.45E-04
4877	ALL	490212	3610696	NonCancer	2.52E-04	8.55E-07	1.58E-04	0.00E+00	0.00E+00	1.58E-04	8.55E-07	0.00E+00	8.55E-07	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	2.52E-04
4878	ALL	490233.2	3610705	NonCancer	2.55E-04	8.67E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.67E-07	0.00E+00	8.67E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.55E-04
4879	ALL	490254.4	3610714	NonCancer	2.56E-04	8.69E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.69E-07	0.00E+00	8.69E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.56E-04
4880	ALL	490275.5	3610723	NonCancer	2.61E-04	8.88E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.88E-07	0.00E+00	8.88E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.61E-04
4881	ALL	490296.7	3610732	NonCancer	2.64E-04	8.98E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.98E-07	0.00E+00	8.98E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.64E-04
4882	ALL	490317.9	3610741	NonCancer	2.64E-04	8.98E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.98E-07	0.00E+00	8.98E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.64E-04
4883	ALL	490339.1	3610750	NonCancer	2.61E-04	8.88E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.88E-07	0.00E+00	8.88E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.61E-04
4884	ALL	490360.3	3610759	NonCancer	2.55E-04	8.68E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.68E-07	0.00E+00	8.68E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.55E-04
4885	ALL	490381.5	3610769	NonCancer	2.47E-04	8.40E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.40E-07	0.00E+00	8.40E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.47E-04
4886	ALL	490402.7	3610778	NonCancer	2.40E-04	8.15E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.15E-07	0.00E+00	8.15E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04
4887	ALL	490423.9	3610787	NonCancer	2.34E-04	7.96E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.96E-07	0.00E+00	7.96E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.34E-04

4888	ALL	490445.1	3610796	NonCancer	2.26E-04	7.68E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.68E-07	0.00E+00	7.68E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.26E-04
4889	ALL	490466.3	3610805	NonCancer	2.36E-04	8.02E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.02E-07	0.00E+00	8.02E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.36E-04
4890	ALL	490487.5	3610814	NonCancer	2.44E-04	8.31E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.31E-07	0.00E+00	8.31E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.44E-04
4891	ALL	490508.7	3610823	NonCancer	2.50E-04	8.51E-07	1.58E-04	0.00E+00	0.00E+00	1.58E-04	8.51E-07	0.00E+00	8.51E-07	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	2.50E-04
4892	ALL	490529.9	3610833	NonCancer	2.53E-04	8.61E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.61E-07	0.00E+00	8.61E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.53E-04
4893	ALL	490551.1	3610842	NonCancer	2.54E-04	8.62E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.62E-07	0.00E+00	8.62E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.54E-04
4894	ALL	490572.3	3610851	NonCancer	2.51E-04	8.53E-07	1.58E-04	0.00E+00	0.00E+00	1.58E-04	8.53E-07	0.00E+00	8.53E-07	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	2.51E-04
4895	ALL	490593.5	3610860	NonCancer	2.45E-04	8.34E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.34E-07	0.00E+00	8.34E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.45E-04
4896	ALL	490614.7	3610869	NonCancer	2.41E-04	8.18E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.18E-07	0.00E+00	8.18E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.41E-04
4897	ALL	490635.9	3610878	NonCancer	2.37E-04	8.07E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04	8.07E-07	0.00E+00	8.07E-07	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	2.37E-04
4898	ALL	490657.1	3610887	NonCancer	2.43E-04	8.26E-07	1.53E-04	0.00E+00	0.00E+00	1.53E-04	8.26E-07	0.00E+00	8.26E-07	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	2.43E-04
4899	ALL	490678.3	3610896	NonCancer	3.90E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.90E-04
4900	ALL	490699.5	3610906	NonCancer	4.10E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.10E-04
4901	ALL	490720.7	3610915	NonCancer	2.55E-04	8.67E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.67E-07	0.00E+00	8.67E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.55E-04
4902	ALL	490741.9	3610924	NonCancer	2.53E-04	8.62E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.62E-07	0.00E+00	8.62E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.53E-04
4903	ALL	490763.1	3610933	NonCancer	2.49E-04	8.45E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.45E-07	0.00E+00	8.45E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.49E-04
4904	ALL	490784.3	3610942	NonCancer	2.41E-04	8.19E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.19E-07	0.00E+00	8.19E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.41E-04
4905	ALL	490805.5	3610951	NonCancer	4.80E-04	1.63E-06	3.02E-04	0.00E+00	0.00E+00	3.02E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	4.80E-04
4906	ALL	490826.7	3610960	NonCancer	4.94E-04	1.68E-06	3.11E-04	0.00E+00	0.00E+00	3.11E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	4.94E-04
4907	ALL	490847.9	3610969	NonCancer	4.76E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.76E-04
4908	ALL	490869.1	3610979	NonCancer	4.60E-04	1.56E-06	2.90E-04	0.00E+00	0.00E+00	2.90E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	4.60E-04
4909	ALL	490890.3	3610988	NonCancer	4.53E-04	1.54E-06	2.85E-04	0.00E+00	0.00E+00	2.85E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	4.53E-04
4910	ALL	490911.5	3610997	NonCancer	4.68E-04	1.59E-06	2.95E-04	0.00E+00	0.00E+00	2.95E-04	1.59E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	4.68E-04
4911	ALL	490932.7	3611006	NonCancer	5.11E-04	1.74E-06	3.22E-04	0.00E+00	0.00E+00	3.22E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.11E-04
4912	ALL	490953.9	3611015	NonCancer	5.39E-04	1.83E-06	3.39E-04	0.00E+00	0.00E+00	3.39E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	5.39E-04
4913	ALL	490975.1	3611024	NonCancer	5.28E-04	1.80E-06	3.33E-04	0.00E+00	0.00E+00	3.33E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	5.28E-04
4914	ALL	490996.3	3611033	NonCancer	5.21E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.21E-04
4915	ALL	491017.5	3611042	NonCancer	4.98E-04	1.69E-06	3.13E-04	0.00E+00	0.00E+00	3.13E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	4.98E-04
4916	ALL	491038.7	3611052	NonCancer	5.26E-04	1.79E-06	3.31E-04	0.00E+00	0.00E+00	3.31E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	5.26E-04
4917	ALL	491059.9	3611061	NonCancer	5.39E-04	1.83E-06	3.40E-04	0.00E+00	0.00E+00	3.40E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	5.39E-04
4918	ALL	491081.1	3611070	NonCancer	5.53E-04	1.88E-06	3.48E-04	0.00E+00	0.00E+00	3.48E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	5.53E-04
4919	ALL	491102.3	3611079	NonCancer	5.74E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.74E-04
4920	ALL	491123.5	3611088	NonCancer	5.91E-04	2.01E-06	3.72E-04	0.00E+00	0.00E+00	3.72E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	5.91E-04
4921	ALL	491144.7	3611097	NonCancer	5.97E-04	2.03E-06	3.76E-04	0.00E+00	0.00E+00	3.76E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	5.97E-04
4922	ALL	491165.9	3611106	NonCancer	5.99E-04	2.04E-06	3.77E-04	0.00E+00	0.00E+00	3.77E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	5.99E-04
4923	ALL	491187.1	3611116	NonCancer	5.99E-04	2.04E-06	3.77E-04	0.00E+00	0.00E+00	3.77E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	5.99E-04
4924	ALL	491208.3	3611125	NonCancer	5.79E-04	1.97E-06	3.64E-04	0.00E+00	0.00E+00	3.64E-04	1.97E-06	0.00E+00	1.97E-06	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	5.79E-04
4925	ALL	491229.5	3611134	NonCancer	5.47E-04	1.86E-06	3.45E-04	0.00E+00	0.00E+00	3.45E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	5.47E-04
4926	ALL	491250.7	3611143	NonCancer	5.16E-04	1.75E-06	3.25E-04	0.00E+00	0.00E+00	3.25E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	5.16E-04
4927	ALL	491271.9	3611152	NonCancer	5.63E-04	1.91E-06	3.55E-04	0.00E+00	0.00E+00	3.55E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	5.63E-04
4928	ALL	491293.1	3611161	NonCancer	5.97E-04	2.03E-06	3.76E-04	0.00E+00	0.00E+00	3.76E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	5.97E-04
4929	ALL	491314.3	3611170	NonCancer	6.38E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.38E-04
4930	ALL	491335.5	3611179	NonCancer	6.86E-04	2.33E-06	4.32E-04	0.00E+00	0.00E+00	4.32E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	6.86E-04
4931	ALL	491356.7	3611189	NonCancer	7.21E-04	2.45E-06	4.54E-04	0.00E+00	0.00E+00	4.54E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	7.21E-04
4932	ALL	491377.9	3611198	NonCancer	7.45E-04	2.53E-06	4.69E-04	0.00E+00	0.00E+00	4.69E-04	2.53E-06	0.00E+00	2.53E-06	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	7.45E-04
4933	ALL	491399.1	3611207	NonCancer	7.42E-04	2.52E-06	4.67E-04	0.00E+00	0.00E+00	4.67E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	7.42E-04
4934	ALL	491420.2	3611216	NonCancer	7.28E-04	2.47E-06	4.58E-04	0.00E+00	0.00E+00	4.58E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	7.28E-04
4935	ALL	491441.4	3611225	NonCancer	7.05E-04	2.40E-06	4.44E-04	0.00E+00	0.00E+00	4.44E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	7.05E-04
4936	ALL	491462.6	3611234	NonCancer	6.75E-04	2.30E-06	4.25E-04	0.00E+00	0.00E+00	4.25E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	6.75E-04
4937	ALL	491483.8	3611243	NonCancer	6.22E-04	2.12E-06	3.92E-04	0.00E+00	0.00E+00	3.92E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	6.22E-04
4938	ALL	491505	3611252	NonCancer	5.60E-04	1.91E-06	3.53E-04	0.00E+00	0.00E+00	3.53E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	5.60E-04
4939	ALL	491526.2	3611262	NonCancer	4.94E-04	1.68E-06	3.11E-04	0.00E+00	0.00E+00	3.11E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	4.94E-04

4940	ALL	491547.4	3611271	NonCancer	4.52E-04	1.54E-06	2.85E-04	0.00E+00	0.00E+00	2.85E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	4.52E-04
4941	ALL	491568.6	3611280	NonCancer	4.25E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.25E-04
4942	ALL	491589.8	3611289	NonCancer	4.14E-04	1.41E-06	2.61E-04	0.00E+00	0.00E+00	2.61E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	4.14E-04
4943	ALL	491611	3611298	NonCancer	4.32E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.32E-04
4944	ALL	491632.2	3611307	NonCancer	4.45E-04	1.51E-06	2.80E-04	0.00E+00	0.00E+00	2.80E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	4.45E-04
4945	ALL	491653.4	3611316	NonCancer	4.49E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.49E-04
4946	ALL	491674.6	3611326	NonCancer	4.83E-04	1.64E-06	3.04E-04	0.00E+00	0.00E+00	3.04E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	4.83E-04
4947	ALL	491695.8	3611335	NonCancer	5.27E-04	1.79E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.27E-04
4948	ALL	491717	3611344	NonCancer	5.68E-04	1.93E-06	3.57E-04	0.00E+00	0.00E+00	3.57E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	5.68E-04
4949	ALL	491738.2	3611353	NonCancer	6.03E-04	2.05E-06	3.80E-04	0.00E+00	0.00E+00	3.80E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	6.03E-04
4950	ALL	491759.4	3611362	NonCancer	6.32E-04	2.15E-06	3.98E-04	0.00E+00	0.00E+00	3.98E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	6.32E-04
4951	ALL	491780.6	3611371	NonCancer	6.55E-04	2.23E-06	4.12E-04	0.00E+00	0.00E+00	4.12E-04	2.23E-06	0.00E+00	2.23E-06	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	6.55E-04
4952	ALL	491811.7	3611401	NonCancer	6.74E-04	2.29E-06	4.25E-04	0.00E+00	0.00E+00	4.25E-04	2.29E-06	0.00E+00	2.29E-06	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	6.74E-04
4953	ALL	491821.6	3611422	NonCancer	6.70E-04	2.28E-06	4.22E-04	0.00E+00	0.00E+00	4.22E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	6.70E-04
4954	ALL	491831.6	3611443	NonCancer	6.56E-04	2.23E-06	4.13E-04	0.00E+00	0.00E+00	4.13E-04	2.23E-06	0.00E+00	2.23E-06	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	6.56E-04
4955	ALL	491841.5	3611464	NonCancer	6.34E-04	2.15E-06	3.99E-04	0.00E+00	0.00E+00	3.99E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	6.34E-04
4956	ALL	491851.4	3611485	NonCancer	6.01E-04	2.04E-06	3.78E-04	0.00E+00	0.00E+00	3.78E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	6.01E-04
4957	ALL	491861.3	3611505	NonCancer	6.00E-04	2.04E-06	3.78E-04	0.00E+00	0.00E+00	3.78E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	6.00E-04
4958	ALL	491871.2	3611526	NonCancer	6.08E-04	2.07E-06	3.83E-04	0.00E+00	0.00E+00	3.83E-04	2.07E-06	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	6.08E-04
4959	ALL	491881.1	3611547	NonCancer	5.99E-04	2.04E-06	3.77E-04	0.00E+00	0.00E+00	3.77E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	5.99E-04
4960	ALL	491891.1	3611568	NonCancer	5.88E-04	2.00E-06	3.70E-04	0.00E+00	0.00E+00	3.70E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	5.88E-04
4961	ALL	491901	3611589	NonCancer	5.68E-04	1.93E-06	3.58E-04	0.00E+00	0.00E+00	3.58E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	5.68E-04
4962	ALL	491910.9	3611610	NonCancer	5.40E-04	1.84E-06	3.40E-04	0.00E+00	0.00E+00	3.40E-04	1.84E-06	0.00E+00	1.84E-06	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	5.40E-04
4963	ALL	491920.8	3611630	NonCancer	5.06E-04	1.72E-06	3.19E-04	0.00E+00	0.00E+00	3.19E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.06E-04
4964	ALL	491930.7	3611651	NonCancer	4.64E-04	1.58E-06	2.92E-04	0.00E+00	0.00E+00	2.92E-04	1.58E-06	0.00E+00	1.58E-06	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	4.64E-04
4965	ALL	491940.6	3611672	NonCancer	4.16E-04	1.42E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.16E-04
4966	ALL	491950.6	3611693	NonCancer	4.21E-04	1.43E-06	2.65E-04	0.00E+00	0.00E+00	2.65E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	4.21E-04
4967	ALL	491960.5	3611714	NonCancer	4.46E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.46E-04
4968	ALL	491970.4	3611735	NonCancer	4.65E-04	1.58E-06	2.93E-04	0.00E+00	0.00E+00	2.93E-04	1.58E-06	0.00E+00	1.58E-06	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	4.65E-04
4969	ALL	491980.3	3611755	NonCancer	4.86E-04	1.65E-06	3.06E-04	0.00E+00	0.00E+00	3.06E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	4.86E-04
4970	ALL	491990.2	3611776	NonCancer	5.25E-04	1.78E-06	3.30E-04	0.00E+00	0.00E+00	3.30E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	5.25E-04
4971	ALL	492000.1	3611797	NonCancer	5.58E-04	1.90E-06	3.51E-04	0.00E+00	0.00E+00	3.51E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	5.58E-04
4972	ALL	492010.1	3611818	NonCancer	5.78E-04	1.97E-06	3.64E-04	0.00E+00	0.00E+00	3.64E-04	1.97E-06	0.00E+00	1.97E-06	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	5.78E-04
4973	ALL	492020	3611839	NonCancer	5.83E-04	1.98E-06	3.67E-04	0.00E+00	0.00E+00	3.67E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	5.83E-04
4974	ALL	492029.9	3611860	NonCancer	5.76E-04	1.96E-06	3.63E-04	0.00E+00	0.00E+00	3.63E-04	1.96E-06	0.00E+00	1.96E-06	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	5.76E-04
4975	ALL	492039.8	3611881	NonCancer	5.55E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.55E-04
4976	ALL	492049.7	3611901	NonCancer	5.28E-04	1.79E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.28E-04
4977	ALL	492059.6	3611922	NonCancer	4.92E-04	1.67E-06	3.10E-04	0.00E+00	0.00E+00	3.10E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	4.92E-04
4978	ALL	492069.6	3611943	NonCancer	4.68E-04	1.59E-06	2.95E-04	0.00E+00	0.00E+00	2.95E-04	1.59E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	4.68E-04
4979	ALL	492079.5	3611964	NonCancer	4.72E-04	1.60E-06	2.97E-04	0.00E+00	0.00E+00	2.97E-04	1.60E-06	0.00E+00	1.60E-06	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	4.72E-04
4980	ALL	492089.4	3611985	NonCancer	4.67E-04	1.59E-06	2.94E-04	0.00E+00	0.00E+00	2.94E-04	1.59E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	4.67E-04
4981	ALL	492099.3	3612006	NonCancer	4.58E-04	1.56E-06	2.89E-04	0.00E+00	0.00E+00	2.89E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	4.58E-04
4982	ALL	492109.2	3612026	NonCancer	4.40E-04	1.49E-06	2.77E-04	0.00E+00	0.00E+00	2.77E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	4.40E-04
4983	ALL	492119.1	3612047	NonCancer	4.13E-04	1.41E-06	2.60E-04	0.00E+00	0.00E+00	2.60E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	4.13E-04
4984	ALL	492129.1	3612068	NonCancer	3.78E-04	1.28E-06	2.38E-04	0.00E+00	0.00E+00	2.38E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	3.78E-04
4985	ALL	492139	3612089	NonCancer	3.37E-04	1.15E-06	2.12E-04	0.00E+00	0.00E+00	2.12E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	3.37E-04
4986	ALL	492148.9	3612110	NonCancer	3.56E-04	1.21E-06	2.24E-04	0.00E+00	0.00E+00	2.24E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.56E-04
4987	ALL	492158.8	3612131	NonCancer	3.80E-04	1.29E-06	2.40E-04	0.00E+00	0.00E+00	2.40E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	3.80E-04
4988	ALL	492168.7	3612151	NonCancer	3.99E-04	1.36E-06	2.51E-04	0.00E+00	0.00E+00	2.51E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	3.99E-04
4989	ALL	492178.6	3612172	NonCancer	4.10E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.10E-04
4990	ALL	492188.5	3612193	NonCancer	4.13E-04	1.40E-06	2.60E-04	0.00E+00	0.00E+00	2.60E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	4.13E-04
4991	ALL	492198.5	3612214	NonCancer	4.09E-04	1.39E-06	2.57E-04	0.00E+00	0.00E+00	2.57E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	4.09E-04

4992	ALL	492208.4	3612235	NonCancer	4.05E-04	1.38E-06	2.55E-04	0.00E+00	0.00E+00	2.55E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	4.05E-04
4993	ALL	492218.3	3612256	NonCancer	4.35E-04	1.48E-06	2.74E-04	0.00E+00	0.00E+00	2.74E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	4.35E-04
4994	ALL	492228.2	3612277	NonCancer	4.74E-04	1.61E-06	2.98E-04	0.00E+00	0.00E+00	2.98E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	4.74E-04
4995	ALL	492238.1	3612297	NonCancer	5.01E-04	1.70E-06	3.16E-04	0.00E+00	0.00E+00	3.16E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	5.01E-04
4996	ALL	492248	3612318	NonCancer	5.13E-04	1.74E-06	3.23E-04	0.00E+00	0.00E+00	3.23E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	5.13E-04
4997	ALL	492258	3612339	NonCancer	4.90E-04	1.67E-06	3.09E-04	0.00E+00	0.00E+00	3.09E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	4.90E-04
4998	ALL	492267.9	3612360	NonCancer	4.82E-04	1.64E-06	3.04E-04	0.00E+00	0.00E+00	3.04E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	4.82E-04
4999	ALL	492277.8	3612381	NonCancer	4.72E-04	1.60E-06	2.97E-04	0.00E+00	0.00E+00	2.97E-04	1.60E-06	0.00E+00	1.60E-06	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	4.72E-04
5000	ALL	492287.7	3612402	NonCancer	4.81E-04	1.64E-06	3.03E-04	0.00E+00	0.00E+00	3.03E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	4.81E-04
5001	ALL	492297.6	3612422	NonCancer	4.98E-04	1.69E-06	3.14E-04	0.00E+00	0.00E+00	3.14E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	4.98E-04
5002	ALL	492307.5	3612443	NonCancer	5.17E-04	1.76E-06	3.26E-04	0.00E+00	0.00E+00	3.26E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	5.17E-04
5003	ALL	492317.5	3612464	NonCancer	5.48E-04	1.86E-06	3.45E-04	0.00E+00	0.00E+00	3.45E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	5.48E-04
5004	ALL	492327.4	3612485	NonCancer	5.03E-04	1.71E-06	3.17E-04	0.00E+00	0.00E+00	3.17E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	5.03E-04
5005	ALL	492337.3	3612506	NonCancer	4.42E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.42E-04
5006	ALL	492347.2	3612527	NonCancer	3.84E-04	1.31E-06	2.42E-04	0.00E+00	0.00E+00	2.42E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	3.84E-04
5007	ALL	492357.1	3612547	NonCancer	3.62E-04	1.23E-06	2.28E-04	0.00E+00	0.00E+00	2.28E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	3.62E-04
5008	ALL	492367	3612568	NonCancer	3.93E-04	1.34E-06	2.48E-04	0.00E+00	0.00E+00	2.48E-04	1.34E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	3.93E-04
5009	ALL	492377	3612589	NonCancer	4.22E-04	1.43E-06	2.66E-04	0.00E+00	0.00E+00	2.66E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	4.22E-04
5010	ALL	492386.9	3612610	NonCancer	4.45E-04	1.51E-06	2.80E-04	0.00E+00	0.00E+00	2.80E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	4.45E-04
5011	ALL	492396.8	3612631	NonCancer	4.61E-04	1.57E-06	2.90E-04	0.00E+00	0.00E+00	2.90E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	4.61E-04
5012	ALL	492406.7	3612652	NonCancer	4.70E-04	1.60E-06	2.96E-04	0.00E+00	0.00E+00	2.96E-04	1.60E-06	0.00E+00	1.60E-06	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	4.70E-04
5013	ALL	492416.6	3612673	NonCancer	4.83E-04	1.64E-06	3.04E-04	0.00E+00	0.00E+00	3.04E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	4.83E-04
5014	ALL	492426.5	3612693	NonCancer	4.75E-04	1.62E-06	2.99E-04	0.00E+00	0.00E+00	2.99E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	4.75E-04
5015	ALL	492436.5	3612714	NonCancer	4.41E-04	1.50E-06	2.77E-04	0.00E+00	0.00E+00	2.77E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	4.41E-04
5016	ALL	492446.4	3612735	NonCancer	4.03E-04	1.37E-06	2.54E-04	0.00E+00	0.00E+00	2.54E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	4.03E-04
5017	ALL	492456.3	3612756	NonCancer	3.60E-04	1.22E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.60E-04
5018	ALL	492466.2	3612777	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
5019	ALL	492476.1	3612798	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
5020	ALL	492486	3612818	NonCancer	3.04E-04	1.03E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.04E-04
5021	ALL	492496	3612839	NonCancer	3.18E-04	1.08E-06	2.00E-04	0.00E+00	0.00E+00	2.00E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	3.18E-04
5022	ALL	492505.9	3612860	NonCancer	3.27E-04	1.11E-06	2.06E-04	0.00E+00	0.00E+00	2.06E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	3.27E-04
5023	ALL	492515.8	3612881	NonCancer	1.95E-04	6.65E-07	1.23E-04	0.00E+00	0.00E+00	1.23E-04	6.65E-07	0.00E+00	6.65E-07	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	1.95E-04
5024	ALL	492525.7	3612902	NonCancer	4.56E-05	1.55E-07	2.87E-05	0.00E+00	0.00E+00	2.87E-05	1.55E-07	0.00E+00	1.55E-07	0.00E+00	0.00E+00	2.87E-05	0.00E+00	0.00E+00	4.56E-05
5025	ALL	492535.6	3612923	NonCancer	4.78E-05	1.63E-07	3.01E-05	0.00E+00	0.00E+00	3.01E-05	1.63E-07	0.00E+00	1.63E-07	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	4.78E-05
5026	ALL	492545.5	3612943	NonCancer	5.02E-05	1.71E-07	3.16E-05	0.00E+00	0.00E+00	3.16E-05	1.71E-07	0.00E+00	1.71E-07	0.00E+00	0.00E+00	3.16E-05	0.00E+00	0.00E+00	5.02E-05
5027	ALL	492555.5	3612964	NonCancer	5.24E-05	1.78E-07	3.30E-05	0.00E+00	0.00E+00	3.30E-05	1.78E-07	0.00E+00	1.78E-07	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	5.24E-05
5028	ALL	492565.4	3612985	NonCancer	5.42E-05	1.84E-07	3.41E-05	0.00E+00	0.00E+00	3.41E-05	1.84E-07	0.00E+00	1.84E-07	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	5.42E-05
5029	ALL	492575.3	3613006	NonCancer	5.60E-05	1.91E-07	3.53E-05	0.00E+00	0.00E+00	3.53E-05	1.91E-07	0.00E+00	1.91E-07	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	5.60E-05
5030	ALL	492585.2	3613027	NonCancer	5.77E-05	1.96E-07	3.63E-05	0.00E+00	0.00E+00	3.63E-05	1.96E-07	0.00E+00	1.96E-07	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	5.77E-05
5031	ALL	492595.1	3613048	NonCancer	5.91E-05	2.01E-07	3.72E-05	0.00E+00	0.00E+00	3.72E-05	2.01E-07	0.00E+00	2.01E-07	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	5.91E-05
5032	ALL	492605	3613068	NonCancer	6.04E-05	2.05E-07	3.81E-05	0.00E+00	0.00E+00	3.81E-05	2.05E-07	0.00E+00	2.05E-07	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	6.04E-05
5033	ALL	492614.9	3613089	NonCancer	6.19E-05	2.11E-07	3.90E-05	0.00E+00	0.00E+00	3.90E-05	2.11E-07	0.00E+00	2.11E-07	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	6.19E-05
5034	ALL	492624.9	3613110	NonCancer	6.24E-05	2.12E-07	3.93E-05	0.00E+00	0.00E+00	3.93E-05	2.12E-07	0.00E+00	2.12E-07	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	6.24E-05
5035	ALL	492634.8	3613131	NonCancer	6.28E-05	2.13E-07	3.95E-05	0.00E+00	0.00E+00	3.95E-05	2.13E-07	0.00E+00	2.13E-07	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	6.28E-05
5036	ALL	492644.7	3613152	NonCancer	6.30E-05	2.14E-07	3.97E-05	0.00E+00	0.00E+00	3.97E-05	2.14E-07	0.00E+00	2.14E-07	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	6.30E-05
5037	ALL	492654.6	3613173	NonCancer	6.42E-05	2.18E-07	4.04E-05	0.00E+00	0.00E+00	4.04E-05	2.18E-07	0.00E+00	2.18E-07	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00	6.42E-05
5038	ALL	492664.5	3613194	NonCancer	6.74E-05	2.29E-07	4.24E-05	0.00E+00	0.00E+00	4.24E-05	2.29E-07	0.00E+00	2.29E-07	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	6.74E-05
5039	ALL	492674.4	3613214	NonCancer	7.03E-05	2.39E-07	4.42E-05	0.00E+00	0.00E+00	4.42E-05	2.39E-07	0.00E+00	2.39E-07	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	7.03E-05
5040	ALL	492684.4	3613235	NonCancer	7.29E-05	2.48E-07	4.59E-05	0.00E+00	0.00E+00	4.59E-05	2.48E-07	0.00E+00	2.48E-07	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	7.29E-05
5041	ALL	492694.3	3613256	NonCancer	7.51E-05	2.55E-07	4.73E-05	0.00E+00	0.00E+00	4.73E-05	2.55E-07	0.00E+00	2.55E-07	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	7.51E-05
5042	ALL	492704.2	3613277	NonCancer	1.58E-04	5.36E-07	9.93E-05	0.00E+00	0.00E+00	9.93E-05	5.36E-07	0.00E+00	5.36E-07	0.00E+00	0.00E+00	9.93E-05	0.00E+00	0.00E+00	1.58E-04
5043	ALL	492714.1	3613298	NonCancer	2.18E-04	7.39E-07	1.37E-04	0.00E+00	0.00E+00	1.37E-04	7.39E-07	0.00E+00	7.39E-07	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	2.18E-04

5044	ALL	492724	3613319	NonCancer	3.24E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.24E-04
5045	ALL	492733.9	3613339	NonCancer	3.79E-04	1.29E-06	2.39E-04	0.00E+00	0.00E+00	2.39E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	3.79E-04
5046	ALL	492743.9	3613360	NonCancer	3.76E-04	1.28E-06	2.37E-04	0.00E+00	0.00E+00	2.37E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	3.76E-04
5047	ALL	492753.8	3613381	NonCancer	3.24E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.24E-04
5048	ALL	492763.7	3613402	NonCancer	2.34E-04	7.97E-07	1.48E-04	0.00E+00	0.00E+00	1.48E-04	7.97E-07	0.00E+00	7.97E-07	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	2.34E-04
5049	ALL	492773.6	3613423	NonCancer	2.22E-04	7.56E-07	1.40E-04	0.00E+00	0.00E+00	1.40E-04	7.56E-07	0.00E+00	7.56E-07	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	2.22E-04
5050	ALL	492783.5	3613444	NonCancer	2.05E-04	6.98E-07	1.29E-04	0.00E+00	0.00E+00	1.29E-04	6.98E-07	0.00E+00	6.98E-07	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	2.05E-04
5051	ALL	492833.1	3613548	NonCancer	2.77E-04	9.43E-07	1.75E-04	0.00E+00	0.00E+00	1.75E-04	9.43E-07	0.00E+00	9.43E-07	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	2.77E-04
5052	ALL	492843	3613569	NonCancer	3.50E-04	1.19E-06	2.20E-04	0.00E+00	0.00E+00	2.20E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	3.50E-04
5053	ALL	492852.9	3613590	NonCancer	4.02E-04	1.37E-06	2.53E-04	0.00E+00	0.00E+00	2.53E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	4.02E-04
5054	ALL	492862.9	3613610	NonCancer	4.23E-04	1.44E-06	2.66E-04	0.00E+00	0.00E+00	2.66E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	4.23E-04
5055	ALL	492872.8	3613631	NonCancer	4.26E-04	1.45E-06	2.68E-04	0.00E+00	0.00E+00	2.68E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	4.26E-04
5056	ALL	492882.7	3613652	NonCancer	3.76E-04	1.28E-06	2.37E-04	0.00E+00	0.00E+00	2.37E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	3.76E-04
5057	ALL	492892.6	3613673	NonCancer	2.95E-04	1.00E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.95E-04
5058	ALL	492902.5	3613694	NonCancer	3.91E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.91E-04
5059	ALL	492912.4	3613715	NonCancer	3.87E-04	1.32E-06	2.44E-04	0.00E+00	0.00E+00	2.44E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	3.87E-04
5060	ALL	492922.4	3613735	NonCancer	3.20E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.20E-04
5061	ALL	492932.3	3613756	NonCancer	3.16E-04	1.07E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.16E-04
5062	ALL	492942.2	3613777	NonCancer	3.08E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.08E-04
5063	ALL	489342.8	3610321	NonCancer	2.45E-04	8.33E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.33E-07	0.00E+00	8.33E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.45E-04
5064	ALL	489319.8	3610320	NonCancer	2.40E-04	8.16E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.16E-07	0.00E+00	8.16E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04
5065	ALL	489296.7	3610319	NonCancer	2.42E-04	8.22E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.22E-07	0.00E+00	8.22E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.42E-04
5066	ALL	489273.6	3610318	NonCancer	2.48E-04	8.42E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.42E-07	0.00E+00	8.42E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
5067	ALL	489250.6	3610317	NonCancer	2.51E-04	8.52E-07	1.58E-04	0.00E+00	0.00E+00	1.58E-04	8.52E-07	0.00E+00	8.52E-07	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	2.51E-04
5068	ALL	489048.4	3614110	NonCancer	2.08E-02	7.08E-05	1.31E-02	0.00E+00	0.00E+00	1.31E-02	7.08E-05	0.00E+00	7.08E-05	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.08E-02
5069	ALL	489045.8	3614133	NonCancer	2.53E-02	8.61E-05	1.59E-02	0.00E+00	0.00E+00	1.59E-02	8.61E-05	0.00E+00	8.61E-05	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.53E-02
5070	ALL	489043.2	3614156	NonCancer	2.26E-02	7.68E-05	1.42E-02	0.00E+00	0.00E+00	1.42E-02	7.68E-05	0.00E+00	7.68E-05	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.26E-02
5071	ALL	489040.6	3614179	NonCancer	2.66E-02	9.04E-05	1.67E-02	0.00E+00	0.00E+00	1.67E-02	9.04E-05	0.00E+00	9.04E-05	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	2.66E-02
5072	ALL	489038.1	3614202	NonCancer	3.11E-02	1.06E-04	1.96E-02	0.00E+00	0.00E+00	1.96E-02	1.06E-04	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.11E-02
5073	ALL	489035.5	3614226	NonCancer	2.75E-02	9.35E-05	1.73E-02	0.00E+00	0.00E+00	1.73E-02	9.35E-05	0.00E+00	9.35E-05	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	2.75E-02
5074	ALL	489032.9	3614249	NonCancer	2.91E-02	9.89E-05	1.83E-02	0.00E+00	0.00E+00	1.83E-02	9.89E-05	0.00E+00	9.89E-05	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	2.91E-02
5075	ALL	489030.3	3614272	NonCancer	2.05E-02	6.96E-05	1.29E-02	0.00E+00	0.00E+00	1.29E-02	6.96E-05	0.00E+00	6.96E-05	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.05E-02
5076	ALL	489027.7	3614295	NonCancer	1.96E-02	6.67E-05	1.23E-02	0.00E+00	0.00E+00	1.23E-02	6.67E-05	0.00E+00	6.67E-05	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	1.96E-02
5077	ALL	489032.2	3614091	NonCancer	1.75E-02	5.94E-05	1.10E-02	0.00E+00	0.00E+00	1.10E-02	5.94E-05	0.00E+00	5.94E-05	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	1.75E-02
5078	ALL	489021	3614130	NonCancer	2.03E-02	6.89E-05	1.28E-02	0.00E+00	0.00E+00	1.28E-02	6.89E-05	0.00E+00	6.89E-05	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.03E-02
5079	ALL	489018.4	3614153	NonCancer	1.80E-02	6.13E-05	1.13E-02	0.00E+00	0.00E+00	1.13E-02	6.13E-05	0.00E+00	6.13E-05	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	1.80E-02
5080	ALL	489015.8	3614177	NonCancer	2.38E-02	8.09E-05	1.50E-02	0.00E+00	0.00E+00	1.50E-02	8.09E-05	0.00E+00	8.09E-05	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.38E-02
5081	ALL	489013.2	3614200	NonCancer	2.48E-02	8.43E-05	1.56E-02	0.00E+00	0.00E+00	1.56E-02	8.43E-05	0.00E+00	8.43E-05	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.48E-02
5082	ALL	489010.6	3614223	NonCancer	2.18E-02	7.40E-05	1.37E-02	0.00E+00	0.00E+00	1.37E-02	7.40E-05	0.00E+00	7.40E-05	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.18E-02
5083	ALL	489008	3614246	NonCancer	2.49E-02	8.46E-05	1.57E-02	0.00E+00	0.00E+00	1.57E-02	8.46E-05	0.00E+00	8.46E-05	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.49E-02
5084	ALL	489005.5	3614269	NonCancer	1.60E-02	5.45E-05	1.01E-02	0.00E+00	0.00E+00	1.01E-02	5.45E-05	0.00E+00	5.45E-05	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.60E-02
5085	ALL	489002.9	3614292	NonCancer	1.60E-02	5.43E-05	1.01E-02	0.00E+00	0.00E+00	1.01E-02	5.43E-05	0.00E+00	5.43E-05	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.60E-02
5086	ALL	489007.3	3614088	NonCancer	1.55E-02	5.26E-05	9.74E-03	0.00E+00	0.00E+00	9.74E-03	5.26E-05	0.00E+00	5.26E-05	0.00E+00	0.00E+00	9.74E-03	0.00E+00	0.00E+00	1.55E-02
5087	ALL	489042	3614050	NonCancer	1.54E-02	5.22E-05	9.67E-03	0.00E+00	0.00E+00	9.67E-03	5.22E-05	0.00E+00	5.22E-05	0.00E+00	0.00E+00	9.67E-03	0.00E+00	0.00E+00	1.54E-02
5088	ALL	488996.1	3614128	NonCancer	1.50E-02	5.11E-05	9.47E-03	0.00E+00	0.00E+00	9.47E-03	5.11E-05	0.00E+00	5.11E-05	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	1.50E-02
5089	ALL	488993.5	3614151	NonCancer	1.56E-02	5.32E-05	9.85E-03	0.00E+00	0.00E+00	9.85E-03	5.32E-05	0.00E+00	5.32E-05	0.00E+00	0.00E+00	9.85E-03	0.00E+00	0.00E+00	1.56E-02
5090	ALL	488991	3614174	NonCancer	1.97E-02	6.69E-05	1.24E-02	0.00E+00	0.00E+00	1.24E-02	6.69E-05	0.00E+00	6.69E-05	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	1.97E-02
5091	ALL	488988.4	3614197	NonCancer	1.97E-02	6.71E-05	1.24E-02	0.00E+00	0.00E+00	1.24E-02	6.71E-05	0.00E+00	6.71E-05	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	1.97E-02
5092	ALL	488985.8	3614220	NonCancer	1.77E-02	6.03E-05	1.12E-02	0.00E+00	0.00E+00	1.12E-02	6.03E-05	0.00E+00	6.03E-05	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	1.77E-02
5093	ALL	488983.2	3614243	NonCancer	2.13E-02	7.23E-05	1.34E-02	0.00E+00	0.00E+00	1.34E-02	7.23E-05	0.00E+00	7.23E-05	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.13E-02
5094	ALL	488980.6	3614266	NonCancer	1.46E-02	4.98E-05	9.22E-03	0.00E+00	0.00E+00	9.22E-03	4.98E-05	0.00E+00	4.98E-05	0.00E+00	0.00E+00	9.22E-03	0.00E+00	0.00E+00	1.46E-02
5095	ALL	488978	3614289	NonCancer	1.36E-02	4.63E-05	8.57E-03	0.00E+00	0.00E+00	8.57E-03	4.63E-05	0.00E+00	4.63E-05	0.00E+00	0.00E+00	8.57E-03	0.00E+00	0.00E+00	1.36E-02

5096	ALL	488982.5	3614085	NonCancer	1.52E-02	5.17E-05	9.57E-03	0.00E+00	0.00E+00	9.57E-03	5.17E-05	0.00E+00	5.17E-05	0.00E+00	0.00E+00	9.57E-03	0.00E+00	0.00E+00	1.52E-02
5097	ALL	488999.7	3614053	NonCancer	1.30E-02	4.41E-05	8.17E-03	0.00E+00	0.00E+00	8.17E-03	4.41E-05	0.00E+00	4.41E-05	0.00E+00	0.00E+00	8.17E-03	0.00E+00	0.00E+00	1.30E-02
5098	ALL	489025.7	3614031	NonCancer	1.34E-02	4.55E-05	8.42E-03	0.00E+00	0.00E+00	8.42E-03	4.55E-05	0.00E+00	4.55E-05	0.00E+00	0.00E+00	8.42E-03	0.00E+00	0.00E+00	1.34E-02
5099	ALL	488971.3	3614125	NonCancer	1.24E-02	4.21E-05	7.80E-03	0.00E+00	0.00E+00	7.80E-03	4.21E-05	0.00E+00	4.21E-05	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00	1.24E-02
5100	ALL	488968.7	3614148	NonCancer	1.54E-02	5.23E-05	9.68E-03	0.00E+00	0.00E+00	9.68E-03	5.23E-05	0.00E+00	5.23E-05	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	1.54E-02
5101	ALL	488966.1	3614171	NonCancer	1.60E-02	5.43E-05	1.01E-02	0.00E+00	0.00E+00	1.01E-02	5.43E-05	0.00E+00	5.43E-05	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.60E-02
5102	ALL	488963.5	3614194	NonCancer	1.59E-02	5.41E-05	1.00E-02	0.00E+00	0.00E+00	1.00E-02	5.41E-05	0.00E+00	5.41E-05	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.59E-02
5103	ALL	488960.9	3614217	NonCancer	1.48E-02	5.03E-05	9.32E-03	0.00E+00	0.00E+00	9.32E-03	5.03E-05	0.00E+00	5.03E-05	0.00E+00	0.00E+00	9.32E-03	0.00E+00	0.00E+00	1.48E-02
5104	ALL	488958.4	3614240	NonCancer	1.83E-02	6.23E-05	1.15E-02	0.00E+00	0.00E+00	1.15E-02	6.23E-05	0.00E+00	6.23E-05	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	1.83E-02
5105	ALL	488955.8	3614264	NonCancer	1.30E-02	4.42E-05	8.19E-03	0.00E+00	0.00E+00	8.19E-03	4.42E-05	0.00E+00	4.42E-05	0.00E+00	0.00E+00	8.19E-03	0.00E+00	0.00E+00	1.30E-02
5106	ALL	488953.2	3614287	NonCancer	1.09E-02	3.70E-05	6.85E-03	0.00E+00	0.00E+00	6.85E-03	3.70E-05	0.00E+00	3.70E-05	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	1.09E-02
5107	ALL	488934.5	3614077	NonCancer	9.38E-03	3.19E-05	5.91E-03	0.00E+00	0.00E+00	5.91E-03	3.19E-05	0.00E+00	3.19E-05	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	9.38E-03
5108	ALL	488955.2	3614038	NonCancer	1.04E-02	3.54E-05	6.55E-03	0.00E+00	0.00E+00	6.55E-03	3.54E-05	0.00E+00	3.54E-05	0.00E+00	0.00E+00	6.55E-03	0.00E+00	0.00E+00	1.04E-02
5109	ALL	488996.8	3613992	NonCancer	1.06E-02	3.60E-05	6.67E-03	0.00E+00	0.00E+00	6.67E-03	3.60E-05	0.00E+00	3.60E-05	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00	1.06E-02
5110	ALL	489038.5	3613977	NonCancer	9.42E-03	3.20E-05	5.93E-03	0.00E+00	0.00E+00	5.93E-03	3.20E-05	0.00E+00	3.20E-05	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	9.42E-03
5111	ALL	488921.6	3614119	NonCancer	1.05E-02	3.58E-05	6.63E-03	0.00E+00	0.00E+00	6.63E-03	3.58E-05	0.00E+00	3.58E-05	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	1.05E-02
5112	ALL	488919	3614142	NonCancer	1.25E-02	4.24E-05	7.85E-03	0.00E+00	0.00E+00	7.85E-03	4.24E-05	0.00E+00	4.24E-05	0.00E+00	0.00E+00	7.85E-03	0.00E+00	0.00E+00	1.25E-02
5113	ALL	488916.4	3614165	NonCancer	1.29E-02	4.38E-05	8.12E-03	0.00E+00	0.00E+00	8.12E-03	4.38E-05	0.00E+00	4.38E-05	0.00E+00	0.00E+00	8.12E-03	0.00E+00	0.00E+00	1.29E-02
5114	ALL	488913.8	3614189	NonCancer	1.06E-02	3.60E-05	6.67E-03	0.00E+00	0.00E+00	6.67E-03	3.60E-05	0.00E+00	3.60E-05	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00	1.06E-02
5115	ALL	488911.2	3614212	NonCancer	1.09E-02	3.70E-05	6.84E-03	0.00E+00	0.00E+00	6.84E-03	3.70E-05	0.00E+00	3.70E-05	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	1.09E-02
5116	ALL	488908.7	3614235	NonCancer	1.39E-02	4.74E-05	8.77E-03	0.00E+00	0.00E+00	8.77E-03	4.74E-05	0.00E+00	4.74E-05	0.00E+00	0.00E+00	8.77E-03	0.00E+00	0.00E+00	1.39E-02
5117	ALL	488906.1	3614258	NonCancer	1.03E-02	3.50E-05	6.48E-03	0.00E+00	0.00E+00	6.48E-03	3.50E-05	0.00E+00	3.50E-05	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	1.03E-02
5118	ALL	488903.5	3614281	NonCancer	8.45E-03	2.87E-05	5.32E-03	0.00E+00	0.00E+00	5.32E-03	2.87E-05	0.00E+00	2.87E-05	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	8.45E-03
5119	ALL	488884.3	3614072	NonCancer	7.51E-03	2.55E-05	4.73E-03	0.00E+00	0.00E+00	4.73E-03	2.55E-05	0.00E+00	2.55E-05	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00	7.51E-03
5120	ALL	488904	3614035	NonCancer	9.11E-03	3.10E-05	5.74E-03	0.00E+00	0.00E+00	5.74E-03	3.10E-05	0.00E+00	3.10E-05	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	9.11E-03
5121	ALL	488923.7	3613998	NonCancer	7.51E-03	2.55E-05	4.73E-03	0.00E+00	0.00E+00	4.73E-03	2.55E-05	0.00E+00	2.55E-05	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00	7.51E-03
5122	ALL	488963.3	3613954	NonCancer	8.51E-03	2.89E-05	5.36E-03	0.00E+00	0.00E+00	5.36E-03	2.89E-05	0.00E+00	2.89E-05	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	8.51E-03
5123	ALL	489003.1	3613940	NonCancer	7.66E-03	2.60E-05	4.82E-03	0.00E+00	0.00E+00	4.82E-03	2.60E-05	0.00E+00	2.60E-05	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	7.66E-03
5124	ALL	489042.8	3613927	NonCancer	9.13E-03	3.10E-05	5.75E-03	0.00E+00	0.00E+00	5.75E-03	3.10E-05	0.00E+00	3.10E-05	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	9.13E-03
5125	ALL	488871.9	3614114	NonCancer	9.71E-03	3.30E-05	6.11E-03	0.00E+00	0.00E+00	6.11E-03	3.30E-05	0.00E+00	3.30E-05	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	9.71E-03
5126	ALL	488869.3	3614137	NonCancer	9.29E-03	3.16E-05	5.85E-03	0.00E+00	0.00E+00	5.85E-03	3.16E-05	0.00E+00	3.16E-05	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	9.29E-03
5127	ALL	488866.7	3614160	NonCancer	9.99E-03	3.39E-05	6.29E-03	0.00E+00	0.00E+00	6.29E-03	3.39E-05	0.00E+00	3.39E-05	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	9.99E-03
5128	ALL	488864.1	3614183	NonCancer	7.85E-03	2.67E-05	4.94E-03	0.00E+00	0.00E+00	4.94E-03	2.67E-05	0.00E+00	2.67E-05	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	7.85E-03
5129	ALL	488861.6	3614206	NonCancer	8.40E-03	2.85E-05	5.29E-03	0.00E+00	0.00E+00	5.29E-03	2.85E-05	0.00E+00	2.85E-05	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	8.40E-03
5130	ALL	488859	3614229	NonCancer	1.09E-02	3.72E-05	6.88E-03	0.00E+00	0.00E+00	6.88E-03	3.72E-05	0.00E+00	3.72E-05	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	1.09E-02
5131	ALL	488856.4	3614252	NonCancer	9.25E-03	3.15E-05	5.82E-03	0.00E+00	0.00E+00	5.82E-03	3.15E-05	0.00E+00	3.15E-05	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	9.25E-03
5132	ALL	488853.8	3614276	NonCancer	7.49E-03	2.55E-05	4.72E-03	0.00E+00	0.00E+00	4.72E-03	2.55E-05	0.00E+00	2.55E-05	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	7.49E-03
5133	ALL	488835.6	3614065	NonCancer	5.91E-03	2.01E-05	3.72E-03	0.00E+00	0.00E+00	3.72E-03	2.01E-05	0.00E+00	2.01E-05	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	5.91E-03
5134	ALL	488846.4	3614044	NonCancer	5.99E-03	2.04E-05	3.77E-03	0.00E+00	0.00E+00	3.77E-03	2.04E-05	0.00E+00	2.04E-05	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	5.99E-03
5135	ALL	488857.1	3614024	NonCancer	6.33E-03	2.15E-05	3.99E-03	0.00E+00	0.00E+00	3.99E-03	2.15E-05	0.00E+00	2.15E-05	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	6.33E-03
5136	ALL	488867.9	3614004	NonCancer	7.69E-03	2.61E-05	4.84E-03	0.00E+00	0.00E+00	4.84E-03	2.61E-05	0.00E+00	2.61E-05	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	7.69E-03
5137	ALL	488878.7	3613983	NonCancer	7.93E-03	2.70E-05	4.99E-03	0.00E+00	0.00E+00	4.99E-03	2.70E-05	0.00E+00	2.70E-05	0.00E+00	0.00E+00	4.99E-03	0.00E+00	0.00E+00	7.93E-03
5138	ALL	488889.4	3613963	NonCancer	6.17E-03	2.10E-05	3.88E-03	0.00E+00	0.00E+00	3.88E-03	2.10E-05	0.00E+00	2.10E-05	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	6.17E-03
5139	ALL	488900.2	3613943	NonCancer	6.51E-03	2.21E-05	4.10E-03	0.00E+00	0.00E+00	4.10E-03	2.21E-05	0.00E+00	2.21E-05	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00	6.51E-03
5140	ALL	488932.7	3613915	NonCancer	7.12E-03	2.42E-05	4.48E-03	0.00E+00	0.00E+00	4.48E-03	2.42E-05	0.00E+00	2.42E-05	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	7.12E-03
5141	ALL	488954.5	3613908	NonCancer	7.25E-03	2.47E-05	4.57E-03	0.00E+00	0.00E+00	4.57E-03	2.47E-05	0.00E+00	2.47E-05	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00	7.25E-03
5142	ALL	488976.2	3613900	NonCancer	6.25E-03	2.12E-05	3.93E-03	0.00E+00	0.00E+00	3.93E-03	2.12E-05	0.00E+00	2.12E-05	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	6.25E-03
5143	ALL	488998	3613893	NonCancer	6.45E-03	2.19E-05	4.06E-03	0.00E+00	0.00E+00	4.06E-03	2.19E-05	0.00E+00	2.19E-05	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	6.45E-03
5144	ALL	489019.7	3613885	NonCancer	7.14E-03	2.43E-05	4.50E-03	0.00E+00	0.00E+00	4.50E-03	2.43E-05	0.00E+00	2.43E-05	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	7.14E-03
5145	ALL	489041.4	3613878	NonCancer	8.12E-03	2.76E-05	5.11E-03	0.00E+00	0.00E+00	5.11E-03	2.76E-05	0.00E+00	2.76E-05	0.00E+00	0.00E+00	5.11E-03	0.00E+00	0.00E+00	8.12E-03
5146	ALL	489063.2	3613870	NonCancer	7.88E-03	2.68E-05	4.96E-03	0.00E+00	0.00E+00	4.96E-03	2.68E-05	0.00E+00	2.68E-05	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	7.88E-03
5147	ALL	488824.8	3614085	NonCancer	6.91E-03	2.35E-05	4.35E-03	0.00E+00	0.00E+00	4.35E-03	2.35E-05	0.00E+00	2.35E-05	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00	6.91E-03

5148	ALL	488822.2	3614108	NonCancer	7.15E-03	2.43E-05	4.50E-03	0.00E+00	0.00E+00	4.50E-03	2.43E-05	0.00E+00	2.43E-05	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	7.15E-03
5149	ALL	488819.6	3614131	NonCancer	7.43E-03	2.53E-05	4.68E-03	0.00E+00	0.00E+00	4.68E-03	2.53E-05	0.00E+00	2.53E-05	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00	7.43E-03
5150	ALL	488817	3614154	NonCancer	7.04E-03	2.39E-05	4.43E-03	0.00E+00	0.00E+00	4.43E-03	2.39E-05	0.00E+00	2.39E-05	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	7.04E-03
5151	ALL	488814.5	3614177	NonCancer	5.85E-03	1.99E-05	3.68E-03	0.00E+00	0.00E+00	3.68E-03	1.99E-05	0.00E+00	1.99E-05	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	5.85E-03
5152	ALL	488811.9	3614201	NonCancer	6.14E-03	2.09E-05	3.86E-03	0.00E+00	0.00E+00	3.86E-03	2.09E-05	0.00E+00	2.09E-05	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	6.14E-03
5153	ALL	488809.3	3614224	NonCancer	8.05E-03	2.74E-05	5.07E-03	0.00E+00	0.00E+00	5.07E-03	2.74E-05	0.00E+00	2.74E-05	0.00E+00	0.00E+00	5.07E-03	0.00E+00	0.00E+00	8.05E-03
5154	ALL	488806.7	3614247	NonCancer	7.45E-03	2.53E-05	4.69E-03	0.00E+00	0.00E+00	4.69E-03	2.53E-05	0.00E+00	2.53E-05	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	7.45E-03
5155	ALL	488804.1	3614270	NonCancer	5.80E-03	1.97E-05	3.65E-03	0.00E+00	0.00E+00	3.65E-03	1.97E-05	0.00E+00	1.97E-05	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	5.80E-03
5156	ALL	488785.5	3614060	NonCancer	5.68E-03	1.93E-05	3.57E-03	0.00E+00	0.00E+00	3.57E-03	1.93E-05	0.00E+00	1.93E-05	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	5.68E-03
5157	ALL	488806.1	3614021	NonCancer	4.95E-03	1.68E-05	3.11E-03	0.00E+00	0.00E+00	3.11E-03	1.68E-05	0.00E+00	1.68E-05	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	4.95E-03
5158	ALL	488826.8	3613982	NonCancer	5.55E-03	1.89E-05	3.49E-03	0.00E+00	0.00E+00	3.49E-03	1.89E-05	0.00E+00	1.89E-05	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	5.55E-03
5159	ALL	488847.5	3613943	NonCancer	6.00E-03	2.04E-05	3.78E-03	0.00E+00	0.00E+00	3.78E-03	2.04E-05	0.00E+00	2.04E-05	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	6.00E-03
5160	ALL	488868.2	3613904	NonCancer	5.29E-03	1.80E-05	3.33E-03	0.00E+00	0.00E+00	3.33E-03	1.80E-05	0.00E+00	1.80E-05	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	5.29E-03
5161	ALL	488899.4	3613877	NonCancer	6.21E-03	2.11E-05	3.91E-03	0.00E+00	0.00E+00	3.91E-03	2.11E-05	0.00E+00	2.11E-05	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	6.21E-03
5162	ALL	488941.2	3613863	NonCancer	5.80E-03	1.97E-05	3.65E-03	0.00E+00	0.00E+00	3.65E-03	1.97E-05	0.00E+00	1.97E-05	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	5.80E-03
5163	ALL	488982.9	3613849	NonCancer	5.37E-03	1.83E-05	3.38E-03	0.00E+00	0.00E+00	3.38E-03	1.83E-05	0.00E+00	1.83E-05	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	5.37E-03
5164	ALL	489024.6	3613835	NonCancer	6.95E-03	2.36E-05	4.38E-03	0.00E+00	0.00E+00	4.38E-03	2.36E-05	0.00E+00	2.36E-05	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	6.95E-03
5165	ALL	488772.5	3614103	NonCancer	5.78E-03	1.96E-05	3.64E-03	0.00E+00	0.00E+00	3.64E-03	1.96E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	5.78E-03
5166	ALL	488769.9	3614126	NonCancer	6.37E-03	2.17E-05	4.01E-03	0.00E+00	0.00E+00	4.01E-03	2.17E-05	0.00E+00	2.17E-05	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	6.37E-03
5167	ALL	488767.4	3614149	NonCancer	5.46E-03	1.86E-05	3.44E-03	0.00E+00	0.00E+00	3.44E-03	1.86E-05	0.00E+00	1.86E-05	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	5.46E-03
5168	ALL	488764.8	3614172	NonCancer	4.82E-03	1.64E-05	3.03E-03	0.00E+00	0.00E+00	3.03E-03	1.64E-05	0.00E+00	1.64E-05	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	4.82E-03
5169	ALL	488762.2	3614195	NonCancer	5.11E-03	1.74E-05	3.22E-03	0.00E+00	0.00E+00	3.22E-03	1.74E-05	0.00E+00	1.74E-05	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.11E-03
5170	ALL	488759.6	3614218	NonCancer	6.72E-03	2.28E-05	4.23E-03	0.00E+00	0.00E+00	4.23E-03	2.28E-05	0.00E+00	2.28E-05	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	6.72E-03
5171	ALL	488757	3614241	NonCancer	6.60E-03	2.24E-05	4.16E-03	0.00E+00	0.00E+00	4.16E-03	2.24E-05	0.00E+00	2.24E-05	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	6.60E-03
5172	ALL	488754.4	3614264	NonCancer	4.89E-03	1.66E-05	3.08E-03	0.00E+00	0.00E+00	3.08E-03	1.66E-05	0.00E+00	1.66E-05	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	4.89E-03
5173	ALL	488686.3	3614048	NonCancer	4.72E-03	1.61E-05	2.97E-03	0.00E+00	0.00E+00	2.97E-03	1.61E-05	0.00E+00	1.61E-05	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	4.72E-03
5174	ALL	488697	3614028	NonCancer	4.63E-03	1.57E-05	2.92E-03	0.00E+00	0.00E+00	2.92E-03	1.57E-05	0.00E+00	1.57E-05	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	4.63E-03
5175	ALL	488707.6	3614008	NonCancer	4.01E-03	1.36E-05	2.52E-03	0.00E+00	0.00E+00	2.52E-03	1.36E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.01E-03
5176	ALL	488718.2	3613988	NonCancer	3.75E-03	1.27E-05	2.36E-03	0.00E+00	0.00E+00	2.36E-03	1.27E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	3.75E-03
5177	ALL	488728.8	3613968	NonCancer	3.88E-03	1.32E-05	2.44E-03	0.00E+00	0.00E+00	2.44E-03	1.32E-05	0.00E+00	1.32E-05	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	3.88E-03
5178	ALL	488739.4	3613948	NonCancer	4.02E-03	1.37E-05	2.53E-03	0.00E+00	0.00E+00	2.53E-03	1.37E-05	0.00E+00	1.37E-05	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.02E-03
5179	ALL	488760.6	3613908	NonCancer	4.83E-03	1.64E-05	3.04E-03	0.00E+00	0.00E+00	3.04E-03	1.64E-05	0.00E+00	1.64E-05	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	4.83E-03
5180	ALL	488771.2	3613888	NonCancer	4.86E-03	1.65E-05	3.06E-03	0.00E+00	0.00E+00	3.06E-03	1.65E-05	0.00E+00	1.65E-05	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	4.86E-03
5181	ALL	488781.8	3613868	NonCancer	4.11E-03	1.40E-05	2.58E-03	0.00E+00	0.00E+00	2.58E-03	1.40E-05	0.00E+00	1.40E-05	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.11E-03
5182	ALL	488792.4	3613848	NonCancer	3.42E-03	1.16E-05	2.15E-03	0.00E+00	0.00E+00	2.15E-03	1.16E-05	0.00E+00	1.16E-05	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.42E-03
5183	ALL	488803	3613828	NonCancer	3.98E-03	1.35E-05	2.50E-03	0.00E+00	0.00E+00	2.50E-03	1.35E-05	0.00E+00	1.35E-05	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	3.98E-03
5184	ALL	488835	3613801	NonCancer	4.57E-03	1.55E-05	2.88E-03	0.00E+00	0.00E+00	2.88E-03	1.55E-05	0.00E+00	1.55E-05	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	4.57E-03
5185	ALL	488856.4	3613794	NonCancer	4.45E-03	1.51E-05	2.80E-03	0.00E+00	0.00E+00	2.80E-03	1.51E-05	0.00E+00	1.51E-05	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	4.45E-03
5186	ALL	488877.9	3613786	NonCancer	4.66E-03	1.59E-05	2.94E-03	0.00E+00	0.00E+00	2.94E-03	1.59E-05	0.00E+00	1.59E-05	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	4.66E-03
5187	ALL	488899.3	3613779	NonCancer	4.13E-03	1.40E-05	2.60E-03	0.00E+00	0.00E+00	2.60E-03	1.40E-05	0.00E+00	1.40E-05	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.13E-03
5188	ALL	488920.7	3613772	NonCancer	4.28E-03	1.46E-05	2.69E-03	0.00E+00	0.00E+00	2.69E-03	1.46E-05	0.00E+00	1.46E-05	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.28E-03
5189	ALL	488942.1	3613765	NonCancer	4.12E-03	1.40E-05	2.60E-03	0.00E+00	0.00E+00	2.60E-03	1.40E-05	0.00E+00	1.40E-05	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.12E-03
5190	ALL	488963.5	3613757	NonCancer	4.39E-03	1.49E-05	2.76E-03	0.00E+00	0.00E+00	2.76E-03	1.49E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	4.39E-03
5191	ALL	488984.9	3613750	NonCancer	5.22E-03	1.78E-05	3.29E-03	0.00E+00	0.00E+00	3.29E-03	1.78E-05	0.00E+00	1.78E-05	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	5.22E-03
5192	ALL	489006.3	3613743	NonCancer	5.19E-03	1.76E-05	3.27E-03	0.00E+00	0.00E+00	3.27E-03	1.76E-05	0.00E+00	1.76E-05	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	5.19E-03
5193	ALL	489027.7	3613735	NonCancer	5.17E-03	1.76E-05	3.26E-03	0.00E+00	0.00E+00	3.26E-03	1.76E-05	0.00E+00	1.76E-05	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	5.17E-03
5194	ALL	489049.1	3613728	NonCancer	4.80E-03	1.63E-05	3.02E-03	0.00E+00	0.00E+00	3.02E-03	1.63E-05	0.00E+00	1.63E-05	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	4.80E-03
5195	ALL	489070.5	3613721	NonCancer	4.22E-03	1.43E-05	2.66E-03	0.00E+00	0.00E+00	2.66E-03	1.43E-05	0.00E+00	1.43E-05	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.22E-03
5196	ALL	488675.7	3614068	NonCancer	4.31E-03	1.47E-05	2.71E-03	0.00E+00	0.00E+00	2.71E-03	1.47E-05	0.00E+00	1.47E-05	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.31E-03
5197	ALL	488673.1	3614091	NonCancer	4.80E-03	1.63E-05	3.02E-03	0.00E+00	0.00E+00	3.02E-03	1.63E-05	0.00E+00	1.63E-05	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	4.80E-03
5198	ALL	488670.6	3614115	NonCancer	4.46E-03	1.51E-05	2.80E-03	0.00E+00	0.00E+00	2.80E-03	1.51E-05	0.00E+00	1.51E-05	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	4.46E-03
5199	ALL	488668	3614138	NonCancer	3.75E-03	1.28E-05	2.36E-03	0.00E+00	0.00E+00	2.36E-03	1.28E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	3.75E-03

5200	ALL	488665.4	3614161	NonCancer	3.64E-03	1.24E-05	2.29E-03	0.00E+00	0.00E+00	2.29E-03	1.24E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	3.64E-03
5201	ALL	488662.8	3614184	NonCancer	3.73E-03	1.27E-05	2.35E-03	0.00E+00	0.00E+00	2.35E-03	1.27E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	3.73E-03
5202	ALL	488660.2	3614207	NonCancer	4.89E-03	1.66E-05	3.08E-03	0.00E+00	0.00E+00	3.08E-03	1.66E-05	0.00E+00	1.66E-05	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	4.89E-03
5203	ALL	488657.6	3614230	NonCancer	5.18E-03	1.76E-05	3.26E-03	0.00E+00	0.00E+00	3.26E-03	1.76E-05	0.00E+00	1.76E-05	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	5.18E-03
5204	ALL	488655	3614253	NonCancer	4.43E-03	1.51E-05	2.79E-03	0.00E+00	0.00E+00	2.79E-03	1.51E-05	0.00E+00	1.51E-05	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	4.43E-03
5205	ALL	488587.1	3614037	NonCancer	3.44E-03	1.17E-05	2.16E-03	0.00E+00	0.00E+00	2.16E-03	1.17E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.44E-03
5206	ALL	488597.9	3614017	NonCancer	3.75E-03	1.27E-05	2.36E-03	0.00E+00	0.00E+00	2.36E-03	1.27E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	3.75E-03
5207	ALL	488608.7	3613996	NonCancer	3.81E-03	1.30E-05	2.40E-03	0.00E+00	0.00E+00	2.40E-03	1.30E-05	0.00E+00	1.30E-05	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	3.81E-03
5208	ALL	488619.4	3613976	NonCancer	3.36E-03	1.14E-05	2.11E-03	0.00E+00	0.00E+00	2.11E-03	1.14E-05	0.00E+00	1.14E-05	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.36E-03
5209	ALL	488630.2	3613956	NonCancer	3.15E-03	1.07E-05	1.98E-03	0.00E+00	0.00E+00	1.98E-03	1.07E-05	0.00E+00	1.07E-05	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.15E-03
5210	ALL	488641	3613935	NonCancer	3.07E-03	1.04E-05	1.93E-03	0.00E+00	0.00E+00	1.93E-03	1.04E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.07E-03
5211	ALL	488651.8	3613915	NonCancer	3.16E-03	1.07E-05	1.99E-03	0.00E+00	0.00E+00	1.99E-03	1.07E-05	0.00E+00	1.07E-05	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	3.16E-03
5212	ALL	488662.5	3613895	NonCancer	3.22E-03	1.10E-05	2.03E-03	0.00E+00	0.00E+00	2.03E-03	1.10E-05	0.00E+00	1.10E-05	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.22E-03
5213	ALL	488673.3	3613874	NonCancer	3.01E-03	1.02E-05	1.90E-03	0.00E+00	0.00E+00	1.90E-03	1.02E-05	0.00E+00	1.02E-05	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.01E-03
5214	ALL	488684.1	3613854	NonCancer	3.74E-03	1.27E-05	2.35E-03	0.00E+00	0.00E+00	2.35E-03	1.27E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	3.74E-03
5215	ALL	488694.9	3613834	NonCancer	3.99E-03	1.36E-05	2.51E-03	0.00E+00	0.00E+00	2.51E-03	1.36E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	3.99E-03
5216	ALL	488705.6	3613814	NonCancer	3.68E-03	1.25E-05	2.31E-03	0.00E+00	0.00E+00	2.31E-03	1.25E-05	0.00E+00	1.25E-05	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	3.68E-03
5217	ALL	488716.4	3613793	NonCancer	2.94E-03	1.00E-05	1.85E-03	0.00E+00	0.00E+00	1.85E-03	1.00E-05	0.00E+00	1.00E-05	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	2.94E-03
5218	ALL	488727.2	3613773	NonCancer	2.80E-03	9.52E-06	1.76E-03	0.00E+00	0.00E+00	1.76E-03	9.52E-06	0.00E+00	9.52E-06	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	2.80E-03
5219	ALL	488738	3613753	NonCancer	3.17E-03	1.08E-05	2.00E-03	0.00E+00	0.00E+00	2.00E-03	1.08E-05	0.00E+00	1.08E-05	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.17E-03
5220	ALL	488770.5	3613725	NonCancer	3.73E-03	1.27E-05	2.35E-03	0.00E+00	0.00E+00	2.35E-03	1.27E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	3.73E-03
5221	ALL	488792.2	3613718	NonCancer	3.53E-03	1.20E-05	2.22E-03	0.00E+00	0.00E+00	2.22E-03	1.20E-05	0.00E+00	1.20E-05	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	3.53E-03
5222	ALL	488814	3613710	NonCancer	3.64E-03	1.24E-05	2.29E-03	0.00E+00	0.00E+00	2.29E-03	1.24E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	3.64E-03
5223	ALL	488835.7	3613703	NonCancer	3.52E-03	1.20E-05	2.22E-03	0.00E+00	0.00E+00	2.22E-03	1.20E-05	0.00E+00	1.20E-05	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	3.52E-03
5224	ALL	488857.4	3613695	NonCancer	2.96E-03	1.01E-05	1.86E-03	0.00E+00	0.00E+00	1.86E-03	1.01E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	2.96E-03
5225	ALL	488879.2	3613688	NonCancer	3.25E-03	1.10E-05	2.05E-03	0.00E+00	0.00E+00	2.05E-03	1.10E-05	0.00E+00	1.10E-05	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.25E-03
5226	ALL	488900.9	3613680	NonCancer	3.24E-03	1.10E-05	2.04E-03	0.00E+00	0.00E+00	2.04E-03	1.10E-05	0.00E+00	1.10E-05	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.24E-03
5227	ALL	488922.7	3613673	NonCancer	3.24E-03	1.10E-05	2.04E-03	0.00E+00	0.00E+00	2.04E-03	1.10E-05	0.00E+00	1.10E-05	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.24E-03
5228	ALL	488944.4	3613665	NonCancer	4.00E-03	1.36E-05	2.52E-03	0.00E+00	0.00E+00	2.52E-03	1.36E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.00E-03
5229	ALL	488966.1	3613658	NonCancer	4.26E-03	1.45E-05	2.68E-03	0.00E+00	0.00E+00	2.68E-03	1.45E-05	0.00E+00	1.45E-05	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.26E-03
5230	ALL	488987.9	3613651	NonCancer	3.96E-03	1.35E-05	2.49E-03	0.00E+00	0.00E+00	2.49E-03	1.35E-05	0.00E+00	1.35E-05	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	3.96E-03
5231	ALL	489009.6	3613643	NonCancer	4.12E-03	1.40E-05	2.60E-03	0.00E+00	0.00E+00	2.60E-03	1.40E-05	0.00E+00	1.40E-05	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.12E-03
5232	ALL	489031.4	3613636	NonCancer	3.73E-03	1.27E-05	2.35E-03	0.00E+00	0.00E+00	2.35E-03	1.27E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	3.73E-03
5233	ALL	489053.1	3613628	NonCancer	3.33E-03	1.13E-05	2.10E-03	0.00E+00	0.00E+00	2.10E-03	1.13E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.33E-03
5234	ALL	489074.8	3613621	NonCancer	3.59E-03	1.22E-05	2.26E-03	0.00E+00	0.00E+00	2.26E-03	1.22E-05	0.00E+00	1.22E-05	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	3.59E-03
5235	ALL	488576.4	3614057	NonCancer	3.77E-03	1.28E-05	2.38E-03	0.00E+00	0.00E+00	2.38E-03	1.28E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	3.77E-03
5236	ALL	488573.8	3614080	NonCancer	3.66E-03	1.25E-05	2.31E-03	0.00E+00	0.00E+00	2.31E-03	1.25E-05	0.00E+00	1.25E-05	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	3.66E-03
5237	ALL	488571.2	3614103	NonCancer	3.08E-03	1.05E-05	1.94E-03	0.00E+00	0.00E+00	1.94E-03	1.05E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.08E-03
5238	ALL	488568.6	3614127	NonCancer	2.92E-03	9.94E-06	1.84E-03	0.00E+00	0.00E+00	1.84E-03	9.94E-06	0.00E+00	9.94E-06	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	2.92E-03
5239	ALL	488566	3614150	NonCancer	2.90E-03	9.85E-06	1.82E-03	0.00E+00	0.00E+00	1.82E-03	9.85E-06	0.00E+00	9.85E-06	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	2.90E-03
5240	ALL	488563.4	3614173	NonCancer	2.86E-03	9.72E-06	1.80E-03	0.00E+00	0.00E+00	1.80E-03	9.72E-06	0.00E+00	9.72E-06	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	2.86E-03
5241	ALL	488560.8	3614196	NonCancer	3.72E-03	1.27E-05	2.34E-03	0.00E+00	0.00E+00	2.34E-03	1.27E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	3.72E-03
5242	ALL	488558.2	3614219	NonCancer	4.11E-03	1.40E-05	2.59E-03	0.00E+00	0.00E+00	2.59E-03	1.40E-05	0.00E+00	1.40E-05	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.11E-03
5243	ALL	488555.7	3614242	NonCancer	3.84E-03	1.31E-05	2.42E-03	0.00E+00	0.00E+00	2.42E-03	1.31E-05	0.00E+00	1.31E-05	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	3.84E-03
5244	ALL	488487.9	3614026	NonCancer	3.11E-03	1.06E-05	1.96E-03	0.00E+00	0.00E+00	1.96E-03	1.06E-05	0.00E+00	1.06E-05	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.11E-03
5245	ALL	488498.8	3614005	NonCancer	2.81E-03	9.56E-06	1.77E-03	0.00E+00	0.00E+00	1.77E-03	9.56E-06	0.00E+00	9.56E-06	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	2.81E-03
5246	ALL	488509.6	3613985	NonCancer	3.06E-03	1.04E-05	1.93E-03	0.00E+00	0.00E+00	1.93E-03	1.04E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.06E-03
5247	ALL	488520.5	3613964	NonCancer	3.19E-03	1.08E-05	2.01E-03	0.00E+00	0.00E+00	2.01E-03	1.08E-05	0.00E+00	1.08E-05	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.19E-03
5248	ALL	488531.4	3613943	NonCancer	2.94E-03	9.99E-06	1.85E-03	0.00E+00	0.00E+00	1.85E-03	9.99E-06	0.00E+00	9.99E-06	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	2.94E-03
5249	ALL	488542.3	3613923	NonCancer	2.66E-03	9.05E-06	1.68E-03	0.00E+00	0.00E+00	1.68E-03	9.05E-06	0.00E+00	9.05E-06	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	2.66E-03
5250	ALL	488553.2	3613902	NonCancer	2.48E-03	8.44E-06	1.56E-03	0.00E+00	0.00E+00	1.56E-03	8.44E-06	0.00E+00	8.44E-06	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.48E-03
5251	ALL	488564.1	3613882	NonCancer	2.55E-03	8.68E-06	1.61E-03	0.00E+00	0.00E+00	1.61E-03	8.68E-06	0.00E+00	8.68E-06	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.55E-03

5252	ALL	488575	3613861	NonCancer	2.64E-03	8.97E-06	1.66E-03	0.00E+00	0.00E+00	1.66E-03	8.97E-06	0.00E+00	8.97E-06	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	2.64E-03
5253	ALL	488585.8	3613841	NonCancer	2.66E-03	9.05E-06	1.68E-03	0.00E+00	0.00E+00	1.68E-03	9.05E-06	0.00E+00	9.05E-06	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	2.66E-03
5254	ALL	488596.7	3613820	NonCancer	2.39E-03	8.13E-06	1.51E-03	0.00E+00	0.00E+00	1.51E-03	8.13E-06	0.00E+00	8.13E-06	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.39E-03
5255	ALL	488607.6	3613800	NonCancer	2.96E-03	1.01E-05	1.86E-03	0.00E+00	0.00E+00	1.86E-03	1.01E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	2.96E-03
5256	ALL	488618.5	3613779	NonCancer	3.28E-03	1.12E-05	2.07E-03	0.00E+00	0.00E+00	2.07E-03	1.12E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.28E-03
5257	ALL	488629.4	3613759	NonCancer	3.22E-03	1.09E-05	2.02E-03	0.00E+00	0.00E+00	2.02E-03	1.09E-05	0.00E+00	1.09E-05	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.22E-03
5258	ALL	488640.3	3613738	NonCancer	2.79E-03	9.49E-06	1.76E-03	0.00E+00	0.00E+00	1.76E-03	9.49E-06	0.00E+00	9.49E-06	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	2.79E-03
5259	ALL	488651.2	3613718	NonCancer	2.16E-03	7.34E-06	1.36E-03	0.00E+00	0.00E+00	1.36E-03	7.34E-06	0.00E+00	7.34E-06	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.16E-03
5260	ALL	488662.1	3613697	NonCancer	2.35E-03	8.00E-06	1.48E-03	0.00E+00	0.00E+00	1.48E-03	8.00E-06	0.00E+00	8.00E-06	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.35E-03
5261	ALL	488672.9	3613677	NonCancer	2.60E-03	8.85E-06	1.64E-03	0.00E+00	0.00E+00	1.64E-03	8.85E-06	0.00E+00	8.85E-06	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	2.60E-03
5262	ALL	488705.8	3613649	NonCancer	3.10E-03	1.06E-05	1.95E-03	0.00E+00	0.00E+00	1.95E-03	1.06E-05	0.00E+00	1.06E-05	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.10E-03
5263	ALL	488727.8	3613641	NonCancer	3.00E-03	1.02E-05	1.89E-03	0.00E+00	0.00E+00	1.89E-03	1.02E-05	0.00E+00	1.02E-05	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.00E-03
5264	ALL	488749.7	3613634	NonCancer	3.00E-03	1.02E-05	1.89E-03	0.00E+00	0.00E+00	1.89E-03	1.02E-05	0.00E+00	1.02E-05	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.00E-03
5265	ALL	488771.7	3613626	NonCancer	3.03E-03	1.03E-05	1.91E-03	0.00E+00	0.00E+00	1.91E-03	1.03E-05	0.00E+00	1.03E-05	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.03E-03
5266	ALL	488793.7	3613619	NonCancer	2.79E-03	9.48E-06	1.75E-03	0.00E+00	0.00E+00	1.75E-03	9.48E-06	0.00E+00	9.48E-06	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	2.79E-03
5267	ALL	488815.6	3613611	NonCancer	2.51E-03	8.53E-06	1.58E-03	0.00E+00	0.00E+00	1.58E-03	8.53E-06	0.00E+00	8.53E-06	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.51E-03
5268	ALL	488837.6	3613604	NonCancer	2.69E-03	9.14E-06	1.69E-03	0.00E+00	0.00E+00	1.69E-03	9.14E-06	0.00E+00	9.14E-06	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	2.69E-03
5269	ALL	488859.6	3613596	NonCancer	2.63E-03	8.94E-06	1.66E-03	0.00E+00	0.00E+00	1.66E-03	8.94E-06	0.00E+00	8.94E-06	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	2.63E-03
5270	ALL	488881.6	3613589	NonCancer	2.38E-03	8.08E-06	1.50E-03	0.00E+00	0.00E+00	1.50E-03	8.08E-06	0.00E+00	8.08E-06	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.38E-03
5271	ALL	488903.5	3613581	NonCancer	3.06E-03	1.04E-05	1.93E-03	0.00E+00	0.00E+00	1.93E-03	1.04E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.06E-03
5272	ALL	488925.5	3613574	NonCancer	3.48E-03	1.18E-05	2.19E-03	0.00E+00	0.00E+00	2.19E-03	1.18E-05	0.00E+00	1.18E-05	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	3.48E-03
5273	ALL	488947.5	3613566	NonCancer	3.44E-03	1.17E-05	2.16E-03	0.00E+00	0.00E+00	2.16E-03	1.17E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.44E-03
5274	ALL	488969.4	3613559	NonCancer	3.36E-03	1.14E-05	2.11E-03	0.00E+00	0.00E+00	2.11E-03	1.14E-05	0.00E+00	1.14E-05	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.36E-03
5275	ALL	488991.4	3613551	NonCancer	3.37E-03	1.14E-05	2.12E-03	0.00E+00	0.00E+00	2.12E-03	1.14E-05	0.00E+00	1.14E-05	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.37E-03
5276	ALL	489013.4	3613544	NonCancer	3.00E-03	1.02E-05	1.89E-03	0.00E+00	0.00E+00	1.89E-03	1.02E-05	0.00E+00	1.02E-05	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.00E-03
5277	ALL	489035.3	3613536	NonCancer	2.71E-03	9.23E-06	1.71E-03	0.00E+00	0.00E+00	1.71E-03	9.23E-06	0.00E+00	9.23E-06	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	2.71E-03
5278	ALL	489057.3	3613528	NonCancer	2.94E-03	1.00E-05	1.85E-03	0.00E+00	0.00E+00	1.85E-03	1.00E-05	0.00E+00	1.00E-05	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	2.94E-03
5279	ALL	489079.3	3613521	NonCancer	2.96E-03	1.01E-05	1.86E-03	0.00E+00	0.00E+00	1.86E-03	1.01E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	2.96E-03
5280	ALL	488477	3614046	NonCancer	3.06E-03	1.04E-05	1.93E-03	0.00E+00	0.00E+00	1.93E-03	1.04E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.06E-03
5281	ALL	488474.4	3614069	NonCancer	2.72E-03	9.24E-06	1.71E-03	0.00E+00	0.00E+00	1.71E-03	9.24E-06	0.00E+00	9.24E-06	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	2.72E-03
5282	ALL	488471.8	3614092	NonCancer	2.41E-03	8.18E-06	1.51E-03	0.00E+00	0.00E+00	1.51E-03	8.18E-06	0.00E+00	8.18E-06	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.41E-03
5283	ALL	488469.2	3614115	NonCancer	2.32E-03	7.90E-06	1.46E-03	0.00E+00	0.00E+00	1.46E-03	7.90E-06	0.00E+00	7.90E-06	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.32E-03
5284	ALL	488466.6	3614139	NonCancer	2.38E-03	8.08E-06	1.50E-03	0.00E+00	0.00E+00	1.50E-03	8.08E-06	0.00E+00	8.08E-06	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.38E-03
5285	ALL	488464	3614162	NonCancer	2.32E-03	7.89E-06	1.46E-03	0.00E+00	0.00E+00	1.46E-03	7.89E-06	0.00E+00	7.89E-06	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.32E-03
5286	ALL	488461.5	3614185	NonCancer	2.93E-03	9.98E-06	1.85E-03	0.00E+00	0.00E+00	1.85E-03	9.98E-06	0.00E+00	9.98E-06	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	2.93E-03
5287	ALL	488458.9	3614208	NonCancer	3.32E-03	1.13E-05	2.09E-03	0.00E+00	0.00E+00	2.09E-03	1.13E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.32E-03
5288	ALL	488456.3	3614231	NonCancer	3.29E-03	1.12E-05	2.07E-03	0.00E+00	0.00E+00	2.07E-03	1.12E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.29E-03
5289	ALL	488388.1	3614015	NonCancer	2.62E-03	8.91E-06	1.65E-03	0.00E+00	0.00E+00	1.65E-03	8.91E-06	0.00E+00	8.91E-06	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	2.62E-03
5290	ALL	488409.1	3613976	NonCancer	2.40E-03	8.15E-06	1.51E-03	0.00E+00	0.00E+00	1.51E-03	8.15E-06	0.00E+00	8.15E-06	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.40E-03
5291	ALL	488430.1	3613936	NonCancer	2.70E-03	9.16E-06	1.70E-03	0.00E+00	0.00E+00	1.70E-03	9.16E-06	0.00E+00	9.16E-06	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	2.70E-03
5292	ALL	488451	3613897	NonCancer	2.34E-03	7.97E-06	1.48E-03	0.00E+00	0.00E+00	1.48E-03	7.97E-06	0.00E+00	7.97E-06	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.34E-03
5293	ALL	488472	3613857	NonCancer	2.08E-03	7.09E-06	1.31E-03	0.00E+00	0.00E+00	1.31E-03	7.09E-06	0.00E+00	7.09E-06	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.08E-03
5294	ALL	488493	3613817	NonCancer	2.17E-03	7.38E-06	1.37E-03	0.00E+00	0.00E+00	1.37E-03	7.38E-06	0.00E+00	7.38E-06	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.17E-03
5295	ALL	488514	3613778	NonCancer	2.18E-03	7.40E-06	1.37E-03	0.00E+00	0.00E+00	1.37E-03	7.40E-06	0.00E+00	7.40E-06	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.18E-03
5296	ALL	488535	3613738	NonCancer	2.53E-03	8.62E-06	1.60E-03	0.00E+00	0.00E+00	1.60E-03	8.62E-06	0.00E+00	8.62E-06	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.53E-03
5297	ALL	488556	3613699	NonCancer	2.76E-03	9.37E-06	1.74E-03	0.00E+00	0.00E+00	1.74E-03	9.37E-06	0.00E+00	9.37E-06	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	2.76E-03
5298	ALL	488577	3613659	NonCancer	2.05E-03	6.98E-06	1.29E-03	0.00E+00	0.00E+00	1.29E-03	6.98E-06	0.00E+00	6.98E-06	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.05E-03
5299	ALL	488597.9	3613620	NonCancer	2.03E-03	6.91E-06	1.28E-03	0.00E+00	0.00E+00	1.28E-03	6.91E-06	0.00E+00	6.91E-06	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.03E-03
5300	ALL	488640.1	3613573	NonCancer	2.63E-03	8.94E-06	1.66E-03	0.00E+00	0.00E+00	1.66E-03	8.94E-06	0.00E+00	8.94E-06	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	2.63E-03
5301	ALL	488682.4	3613559	NonCancer	2.46E-03	8.37E-06	1.55E-03	0.00E+00	0.00E+00	1.55E-03	8.37E-06	0.00E+00	8.37E-06	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.46E-03
5302	ALL	488724.8	3613544	NonCancer	2.56E-03	8.69E-06	1.61E-03	0.00E+00	0.00E+00	1.61E-03	8.69E-06	0.00E+00	8.69E-06	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.56E-03
5303	ALL	488767.1	3613530	NonCancer	2.09E-03	7.10E-06	1.31E-03	0.00E+00	0.00E+00	1.31E-03	7.10E-06	0.00E+00	7.10E-06	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.09E-03

5304	ALL	488809.5	3613515	NonCancer	2.26E-03	7.68E-06	1.42E-03	0.00E+00	0.00E+00	1.42E-03	7.68E-06	0.00E+00	7.68E-06	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.26E-03
5305	ALL	488851.8	3613501	NonCancer	2.12E-03	7.21E-06	1.33E-03	0.00E+00	0.00E+00	1.33E-03	7.21E-06	0.00E+00	7.21E-06	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.12E-03
5306	ALL	488894.2	3613486	NonCancer	2.84E-03	9.64E-06	1.79E-03	0.00E+00	0.00E+00	1.79E-03	9.64E-06	0.00E+00	9.64E-06	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	2.84E-03
5307	ALL	488936.5	3613472	NonCancer	2.76E-03	9.37E-06	1.74E-03	0.00E+00	0.00E+00	1.74E-03	9.37E-06	0.00E+00	9.37E-06	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	2.76E-03
5308	ALL	488978.9	3613457	NonCancer	2.74E-03	9.30E-06	1.72E-03	0.00E+00	0.00E+00	1.72E-03	9.30E-06	0.00E+00	9.30E-06	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	2.74E-03
5309	ALL	489021.2	3613443	NonCancer	2.31E-03	7.84E-06	1.45E-03	0.00E+00	0.00E+00	1.45E-03	7.84E-06	0.00E+00	7.84E-06	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.31E-03
5310	ALL	489063.6	3613428	NonCancer	2.50E-03	8.50E-06	1.57E-03	0.00E+00	0.00E+00	1.57E-03	8.50E-06	0.00E+00	8.50E-06	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.50E-03
5311	ALL	488375	3614058	NonCancer	2.01E-03	6.82E-06	1.26E-03	0.00E+00	0.00E+00	1.26E-03	6.82E-06	0.00E+00	6.82E-06	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.01E-03
5312	ALL	488372.4	3614081	NonCancer	2.01E-03	6.83E-06	1.27E-03	0.00E+00	0.00E+00	1.27E-03	6.83E-06	0.00E+00	6.83E-06	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.01E-03
5313	ALL	488369.8	3614104	NonCancer	1.88E-03	6.41E-06	1.19E-03	0.00E+00	0.00E+00	1.19E-03	6.41E-06	0.00E+00	6.41E-06	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	1.88E-03
5314	ALL	488367.2	3614127	NonCancer	1.99E-03	6.78E-06	1.26E-03	0.00E+00	0.00E+00	1.26E-03	6.78E-06	0.00E+00	6.78E-06	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	1.99E-03
5315	ALL	488364.7	3614151	NonCancer	1.93E-03	6.58E-06	1.22E-03	0.00E+00	0.00E+00	1.22E-03	6.58E-06	0.00E+00	6.58E-06	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	1.93E-03
5316	ALL	488362.1	3614174	NonCancer	2.37E-03	8.07E-06	1.49E-03	0.00E+00	0.00E+00	1.49E-03	8.07E-06	0.00E+00	8.07E-06	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.37E-03
5317	ALL	488359.5	3614197	NonCancer	2.73E-03	9.28E-06	1.72E-03	0.00E+00	0.00E+00	1.72E-03	9.28E-06	0.00E+00	9.28E-06	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	2.73E-03
5318	ALL	488356.9	3614220	NonCancer	2.81E-03	9.54E-06	1.77E-03	0.00E+00	0.00E+00	1.77E-03	9.54E-06	0.00E+00	9.54E-06	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	2.81E-03
5319	ALL	488288.8	3614004	NonCancer	2.13E-03	7.24E-06	1.34E-03	0.00E+00	0.00E+00	1.34E-03	7.24E-06	0.00E+00	7.24E-06	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.13E-03
5320	ALL	488299.4	3613984	NonCancer	2.27E-03	7.73E-06	1.43E-03	0.00E+00	0.00E+00	1.43E-03	7.73E-06	0.00E+00	7.73E-06	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.27E-03
5321	ALL	488310	3613964	NonCancer	2.24E-03	7.63E-06	1.41E-03	0.00E+00	0.00E+00	1.41E-03	7.63E-06	0.00E+00	7.63E-06	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.24E-03
5322	ALL	488320.6	3613944	NonCancer	2.04E-03	6.94E-06	1.29E-03	0.00E+00	0.00E+00	1.29E-03	6.94E-06	0.00E+00	6.94E-06	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.04E-03
5323	ALL	488331.3	3613924	NonCancer	2.13E-03	7.25E-06	1.34E-03	0.00E+00	0.00E+00	1.34E-03	7.25E-06	0.00E+00	7.25E-06	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.13E-03
5324	ALL	488352.5	3613884	NonCancer	2.30E-03	7.83E-06	1.45E-03	0.00E+00	0.00E+00	1.45E-03	7.83E-06	0.00E+00	7.83E-06	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.30E-03
5325	ALL	488363.1	3613864	NonCancer	2.12E-03	7.19E-06	1.33E-03	0.00E+00	0.00E+00	1.33E-03	7.19E-06	0.00E+00	7.19E-06	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.12E-03
5326	ALL	488373.7	3613844	NonCancer	1.94E-03	6.59E-06	1.22E-03	0.00E+00	0.00E+00	1.22E-03	6.59E-06	0.00E+00	6.59E-06	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	1.94E-03
5327	ALL	488384.3	3613824	NonCancer	1.89E-03	6.42E-06	1.19E-03	0.00E+00	0.00E+00	1.19E-03	6.42E-06	0.00E+00	6.42E-06	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	1.89E-03
5328	ALL	488394.9	3613804	NonCancer	1.81E-03	6.15E-06	1.14E-03	0.00E+00	0.00E+00	1.14E-03	6.15E-06	0.00E+00	6.15E-06	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	1.81E-03
5329	ALL	488405.5	3613784	NonCancer	1.86E-03	6.33E-06	1.17E-03	0.00E+00	0.00E+00	1.17E-03	6.33E-06	0.00E+00	6.33E-06	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	1.86E-03
5330	ALL	488416.1	3613764	NonCancer	1.89E-03	6.43E-06	1.19E-03	0.00E+00	0.00E+00	1.19E-03	6.43E-06	0.00E+00	6.43E-06	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	1.89E-03
5331	ALL	488426.7	3613744	NonCancer	1.96E-03	6.66E-06	1.23E-03	0.00E+00	0.00E+00	1.23E-03	6.66E-06	0.00E+00	6.66E-06	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	1.96E-03
5332	ALL	488437.3	3613724	NonCancer	1.87E-03	6.37E-06	1.18E-03	0.00E+00	0.00E+00	1.18E-03	6.37E-06	0.00E+00	6.37E-06	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	1.87E-03
5333	ALL	488447.9	3613704	NonCancer	1.71E-03	5.83E-06	1.08E-03	0.00E+00	0.00E+00	1.08E-03	5.83E-06	0.00E+00	5.83E-06	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.71E-03
5334	ALL	488458.5	3613684	NonCancer	2.09E-03	7.12E-06	1.32E-03	0.00E+00	0.00E+00	1.32E-03	7.12E-06	0.00E+00	7.12E-06	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.09E-03
5335	ALL	488469.2	3613664	NonCancer	2.34E-03	7.97E-06	1.48E-03	0.00E+00	0.00E+00	1.48E-03	7.97E-06	0.00E+00	7.97E-06	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.34E-03
5336	ALL	488479.8	3613644	NonCancer	2.41E-03	8.19E-06	1.52E-03	0.00E+00	0.00E+00	1.52E-03	8.19E-06	0.00E+00	8.19E-06	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.41E-03
5337	ALL	488490.4	3613624	NonCancer	2.28E-03	7.74E-06	1.43E-03	0.00E+00	0.00E+00	1.43E-03	7.74E-06	0.00E+00	7.74E-06	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.28E-03
5338	ALL	488501	3613604	NonCancer	1.98E-03	6.75E-06	1.25E-03	0.00E+00	0.00E+00	1.25E-03	6.75E-06	0.00E+00	6.75E-06	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	1.98E-03
5339	ALL	488511.6	3613584	NonCancer	1.60E-03	5.43E-06	1.01E-03	0.00E+00	0.00E+00	1.01E-03	5.43E-06	0.00E+00	5.43E-06	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.60E-03
5340	ALL	488532.8	3613544	NonCancer	1.76E-03	5.99E-06	1.11E-03	0.00E+00	0.00E+00	1.11E-03	5.99E-06	0.00E+00	5.99E-06	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	1.76E-03
5341	ALL	488543.4	3613524	NonCancer	1.88E-03	6.40E-06	1.19E-03	0.00E+00	0.00E+00	1.19E-03	6.40E-06	0.00E+00	6.40E-06	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	1.88E-03
5342	ALL	488575.4	3613497	NonCancer	2.26E-03	7.68E-06	1.42E-03	0.00E+00	0.00E+00	1.42E-03	7.68E-06	0.00E+00	7.68E-06	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.26E-03
5343	ALL	488596.8	3613490	NonCancer	2.24E-03	7.63E-06	1.41E-03	0.00E+00	0.00E+00	1.41E-03	7.63E-06	0.00E+00	7.63E-06	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.24E-03
5344	ALL	488618.2	3613482	NonCancer	2.16E-03	7.36E-06	1.36E-03	0.00E+00	0.00E+00	1.36E-03	7.36E-06	0.00E+00	7.36E-06	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.16E-03
5345	ALL	488639.6	3613475	NonCancer	2.19E-03	7.45E-06	1.38E-03	0.00E+00	0.00E+00	1.38E-03	7.45E-06	0.00E+00	7.45E-06	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.19E-03
5346	ALL	488661	3613468	NonCancer	2.22E-03	7.55E-06	1.40E-03	0.00E+00	0.00E+00	1.40E-03	7.55E-06	0.00E+00	7.55E-06	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.22E-03
5347	ALL	488682.5	3613460	NonCancer	2.15E-03	7.32E-06	1.35E-03	0.00E+00	0.00E+00	1.35E-03	7.32E-06	0.00E+00	7.32E-06	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.15E-03
5348	ALL	488703.9	3613453	NonCancer	1.91E-03	6.48E-06	1.20E-03	0.00E+00	0.00E+00	1.20E-03	6.48E-06	0.00E+00	6.48E-06	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	1.91E-03
5349	ALL	488725.3	3613446	NonCancer	1.83E-03	6.23E-06	1.15E-03	0.00E+00	0.00E+00	1.15E-03	6.23E-06	0.00E+00	6.23E-06	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	1.83E-03
5350	ALL	488746.7	3613438	NonCancer	1.96E-03	6.66E-06	1.23E-03	0.00E+00	0.00E+00	1.23E-03	6.66E-06	0.00E+00	6.66E-06	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	1.96E-03
5351	ALL	488768.1	3613431	NonCancer	1.95E-03	6.63E-06	1.23E-03	0.00E+00	0.00E+00	1.23E-03	6.63E-06	0.00E+00	6.63E-06	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	1.95E-03
5352	ALL	488789.5	3613424	NonCancer	1.88E-03	6.38E-06	1.18E-03	0.00E+00	0.00E+00	1.18E-03	6.38E-06	0.00E+00	6.38E-06	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	1.88E-03
5353	ALL	488810.9	3613416	NonCancer	1.70E-03	5.79E-06	1.07E-03	0.00E+00	0.00E+00	1.07E-03	5.79E-06	0.00E+00	5.79E-06	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.70E-03
5354	ALL	488832.3	3613409	NonCancer	2.10E-03	7.13E-06	1.32E-03	0.00E+00	0.00E+00	1.32E-03	7.13E-06	0.00E+00	7.13E-06	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.10E-03
5355	ALL	488853.7	3613402	NonCancer	2.37E-03	8.06E-06	1.49E-03	0.00E+00	0.00E+00	1.49E-03	8.06E-06	0.00E+00	8.06E-06	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.37E-03

5356	ALL	488875.1	3613394	NonCancer	2.46E-03	8.37E-06	1.55E-03	0.00E+00	0.00E+00	1.55E-03	8.37E-06	0.00E+00	8.37E-06	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.46E-03
5357	ALL	488896.5	3613387	NonCancer	2.34E-03	7.97E-06	1.48E-03	0.00E+00	0.00E+00	1.48E-03	7.97E-06	0.00E+00	7.97E-06	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.34E-03
5358	ALL	488917.9	3613380	NonCancer	2.35E-03	7.99E-06	1.48E-03	0.00E+00	0.00E+00	1.48E-03	7.99E-06	0.00E+00	7.99E-06	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.35E-03
5359	ALL	488939.3	3613372	NonCancer	2.46E-03	8.37E-06	1.55E-03	0.00E+00	0.00E+00	1.55E-03	8.37E-06	0.00E+00	8.37E-06	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.46E-03
5360	ALL	488960.7	3613365	NonCancer	2.30E-03	7.83E-06	1.45E-03	0.00E+00	0.00E+00	1.45E-03	7.83E-06	0.00E+00	7.83E-06	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.30E-03
5361	ALL	488982.1	3613358	NonCancer	1.99E-03	6.76E-06	1.25E-03	0.00E+00	0.00E+00	1.25E-03	6.76E-06	0.00E+00	6.76E-06	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	1.99E-03
5362	ALL	489003.6	3613350	NonCancer	1.96E-03	6.67E-06	1.23E-03	0.00E+00	0.00E+00	1.23E-03	6.67E-06	0.00E+00	6.67E-06	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	1.96E-03
5363	ALL	489025	3613343	NonCancer	2.12E-03	7.19E-06	1.33E-03	0.00E+00	0.00E+00	1.33E-03	7.19E-06	0.00E+00	7.19E-06	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.12E-03
5364	ALL	489046.4	3613336	NonCancer	2.14E-03	7.27E-06	1.35E-03	0.00E+00	0.00E+00	1.35E-03	7.27E-06	0.00E+00	7.27E-06	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.14E-03
5365	ALL	489067.8	3613328	NonCancer	2.10E-03	7.15E-06	1.32E-03	0.00E+00	0.00E+00	1.32E-03	7.15E-06	0.00E+00	7.15E-06	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.10E-03
5366	ALL	489089.2	3613321	NonCancer	1.93E-03	6.55E-06	1.21E-03	0.00E+00	0.00E+00	1.21E-03	6.55E-06	0.00E+00	6.55E-06	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	1.93E-03
5367	ALL	488278.2	3614024	NonCancer	1.85E-03	6.28E-06	1.16E-03	0.00E+00	0.00E+00	1.16E-03	6.28E-06	0.00E+00	6.28E-06	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	1.85E-03
5368	ALL	488275.6	3614047	NonCancer	1.71E-03	5.82E-06	1.08E-03	0.00E+00	0.00E+00	1.08E-03	5.82E-06	0.00E+00	5.82E-06	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.71E-03
5369	ALL	488273	3614070	NonCancer	1.69E-03	5.75E-06	1.06E-03	0.00E+00	0.00E+00	1.06E-03	5.75E-06	0.00E+00	5.75E-06	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.69E-03
5370	ALL	488270.5	3614093	NonCancer	1.64E-03	5.56E-06	1.03E-03	0.00E+00	0.00E+00	1.03E-03	5.56E-06	0.00E+00	5.56E-06	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.64E-03
5371	ALL	488267.9	3614116	NonCancer	1.70E-03	5.79E-06	1.07E-03	0.00E+00	0.00E+00	1.07E-03	5.79E-06	0.00E+00	5.79E-06	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.70E-03
5372	ALL	488265.3	3614139	NonCancer	1.64E-03	5.59E-06	1.04E-03	0.00E+00	0.00E+00	1.04E-03	5.59E-06	0.00E+00	5.59E-06	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.64E-03
5373	ALL	488262.7	3614163	NonCancer	1.96E-03	6.67E-06	1.23E-03	0.00E+00	0.00E+00	1.23E-03	6.67E-06	0.00E+00	6.67E-06	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	1.96E-03
5374	ALL	488260.1	3614186	NonCancer	2.28E-03	7.74E-06	1.43E-03	0.00E+00	0.00E+00	1.43E-03	7.74E-06	0.00E+00	7.74E-06	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.28E-03
5375	ALL	488257.5	3614209	NonCancer	2.41E-03	8.18E-06	1.51E-03	0.00E+00	0.00E+00	1.51E-03	8.18E-06	0.00E+00	8.18E-06	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.41E-03
5376	ALL	488090.2	3613981	NonCancer	1.35E-03	4.58E-06	8.49E-04	0.00E+00	0.00E+00	8.49E-04	4.58E-06	0.00E+00	4.58E-06	0.00E+00	0.00E+00	8.49E-04	0.00E+00	0.00E+00	1.35E-03
5377	ALL	488101	3613961	NonCancer	1.57E-03	5.32E-06	9.85E-04	0.00E+00	0.00E+00	9.85E-04	5.32E-06	0.00E+00	5.32E-06	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	1.57E-03
5378	ALL	488111.8	3613941	NonCancer	1.71E-03	5.82E-06	1.08E-03	0.00E+00	0.00E+00	1.08E-03	5.82E-06	0.00E+00	5.82E-06	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.71E-03
5379	ALL	488122.6	3613920	NonCancer	1.76E-03	5.98E-06	1.11E-03	0.00E+00	0.00E+00	1.11E-03	5.98E-06	0.00E+00	5.98E-06	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	1.76E-03
5380	ALL	488133.3	3613900	NonCancer	1.70E-03	5.77E-06	1.07E-03	0.00E+00	0.00E+00	1.07E-03	5.77E-06	0.00E+00	5.77E-06	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.70E-03
5381	ALL	488144.1	3613880	NonCancer	1.54E-03	5.22E-06	9.67E-04	0.00E+00	0.00E+00	9.67E-04	5.22E-06	0.00E+00	5.22E-06	0.00E+00	0.00E+00	9.67E-04	0.00E+00	0.00E+00	1.54E-03
5382	ALL	488154.9	3613859	NonCancer	1.60E-03	5.45E-06	1.01E-03	0.00E+00	0.00E+00	1.01E-03	5.45E-06	0.00E+00	5.45E-06	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.60E-03
5383	ALL	488165.6	3613839	NonCancer	1.75E-03	5.96E-06	1.10E-03	0.00E+00	0.00E+00	1.10E-03	5.96E-06	0.00E+00	5.96E-06	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	1.75E-03
5384	ALL	488176.4	3613819	NonCancer	1.80E-03	6.11E-06	1.13E-03	0.00E+00	0.00E+00	1.13E-03	6.11E-06	0.00E+00	6.11E-06	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	1.80E-03
5385	ALL	488187.2	3613799	NonCancer	1.73E-03	5.87E-06	1.09E-03	0.00E+00	0.00E+00	1.09E-03	5.87E-06	0.00E+00	5.87E-06	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	1.73E-03
5386	ALL	488198	3613778	NonCancer	1.55E-03	5.27E-06	9.77E-04	0.00E+00	0.00E+00	9.77E-04	5.27E-06	0.00E+00	5.27E-06	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00	1.55E-03
5387	ALL	488208.7	3613758	NonCancer	1.50E-03	5.09E-06	9.42E-04	0.00E+00	0.00E+00	9.42E-04	5.09E-06	0.00E+00	5.09E-06	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00	1.50E-03
5388	ALL	488219.5	3613738	NonCancer	1.46E-03	4.96E-06	9.19E-04	0.00E+00	0.00E+00	9.19E-04	4.96E-06	0.00E+00	4.96E-06	0.00E+00	0.00E+00	9.19E-04	0.00E+00	0.00E+00	1.46E-03
5389	ALL	488230.3	3613717	NonCancer	1.36E-03	4.63E-06	8.58E-04	0.00E+00	0.00E+00	8.58E-04	4.63E-06	0.00E+00	4.63E-06	0.00E+00	0.00E+00	8.58E-04	0.00E+00	0.00E+00	1.36E-03
5390	ALL	488241.1	3613697	NonCancer	1.43E-03	4.87E-06	9.02E-04	0.00E+00	0.00E+00	9.02E-04	4.87E-06	0.00E+00	4.87E-06	0.00E+00	0.00E+00	9.02E-04	0.00E+00	0.00E+00	1.43E-03
5391	ALL	488251.8	3613677	NonCancer	1.42E-03	4.83E-06	8.94E-04	0.00E+00	0.00E+00	8.94E-04	4.83E-06	0.00E+00	4.83E-06	0.00E+00	0.00E+00	8.94E-04	0.00E+00	0.00E+00	1.42E-03
5392	ALL	488262.6	3613656	NonCancer	1.48E-03	5.04E-06	9.33E-04	0.00E+00	0.00E+00	9.33E-04	5.04E-06	0.00E+00	5.04E-06	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	1.48E-03
5393	ALL	488273.4	3613636	NonCancer	1.51E-03	5.13E-06	9.49E-04	0.00E+00	0.00E+00	9.49E-04	5.13E-06	0.00E+00	5.13E-06	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	1.51E-03
5394	ALL	488284.2	3613616	NonCancer	1.44E-03	4.90E-06	9.08E-04	0.00E+00	0.00E+00	9.08E-04	4.90E-06	0.00E+00	4.90E-06	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00	1.44E-03
5395	ALL	488294.9	3613596	NonCancer	1.32E-03	4.48E-06	8.29E-04	0.00E+00	0.00E+00	8.29E-04	4.48E-06	0.00E+00	4.48E-06	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	1.32E-03
5396	ALL	488305.7	3613575	NonCancer	1.48E-03	5.04E-06	9.33E-04	0.00E+00	0.00E+00	9.33E-04	5.04E-06	0.00E+00	5.04E-06	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	1.48E-03
5397	ALL	488316.5	3613555	NonCancer	1.71E-03	5.81E-06	1.08E-03	0.00E+00	0.00E+00	1.08E-03	5.81E-06	0.00E+00	5.81E-06	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.71E-03
5398	ALL	488327.2	3613535	NonCancer	1.84E-03	6.26E-06	1.16E-03	0.00E+00	0.00E+00	1.16E-03	6.26E-06	0.00E+00	6.26E-06	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	1.84E-03
5399	ALL	488338	3613514	NonCancer	1.85E-03	6.30E-06	1.17E-03	0.00E+00	0.00E+00	1.17E-03	6.30E-06	0.00E+00	6.30E-06	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	1.85E-03
5400	ALL	488348.8	3613494	NonCancer	1.75E-03	5.94E-06	1.10E-03	0.00E+00	0.00E+00	1.10E-03	5.94E-06	0.00E+00	5.94E-06	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	1.75E-03
5401	ALL	488359.6	3613474	NonCancer	1.54E-03	5.25E-06	9.72E-04	0.00E+00	0.00E+00	9.72E-04	5.25E-06	0.00E+00	5.25E-06	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00	1.54E-03
5402	ALL	488370.3	3613454	NonCancer	1.28E-03	4.36E-06	8.07E-04	0.00E+00	0.00E+00	8.07E-04	4.36E-06	0.00E+00	4.36E-06	0.00E+00	0.00E+00	8.07E-04	0.00E+00	0.00E+00	1.28E-03
5403	ALL	488381.1	3613433	NonCancer	1.16E-03	3.94E-06	7.29E-04	0.00E+00	0.00E+00	7.29E-04	3.94E-06	0.00E+00	3.94E-06	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	1.16E-03
5404	ALL	488391.9	3613413	NonCancer	1.24E-03	4.20E-06	7.78E-04	0.00E+00	0.00E+00	7.78E-04	4.20E-06	0.00E+00	4.20E-06	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00	1.24E-03
5405	ALL	488402.7	3613393	NonCancer	1.37E-03	4.67E-06	8.65E-04	0.00E+00	0.00E+00	8.65E-04	4.67E-06	0.00E+00	4.67E-06	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	1.37E-03
5406	ALL	488413.4	3613372	NonCancer	1.45E-03	4.94E-06	9.14E-04	0.00E+00	0.00E+00	9.14E-04	4.94E-06	0.00E+00	4.94E-06	0.00E+00	0.00E+00	9.14E-04	0.00E+00	0.00E+00	1.45E-03
5407	ALL	488445.9	3613345	NonCancer	1.73E-03	5.87E-06	1.09E-03	0.00E+00	0.00E+00	1.09E-03	5.87E-06	0.00E+00	5.87E-06	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	1.73E-03

5408	ALL	488467.7	3613337	NonCancer	1.76E-03	5.98E-06	1.11E-03	0.00E+00	0.00E+00	1.11E-03	5.98E-06	0.00E+00	5.98E-06	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	1.76E-03
5409	ALL	488489.4	3613330	NonCancer	1.72E-03	5.84E-06	1.08E-03	0.00E+00	0.00E+00	1.08E-03	5.84E-06	0.00E+00	5.84E-06	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.72E-03
5410	ALL	488511.2	3613322	NonCancer	1.63E-03	5.55E-06	1.03E-03	0.00E+00	0.00E+00	1.03E-03	5.55E-06	0.00E+00	5.55E-06	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.63E-03
5411	ALL	488532.9	3613315	NonCancer	1.70E-03	5.78E-06	1.07E-03	0.00E+00	0.00E+00	1.07E-03	5.78E-06	0.00E+00	5.78E-06	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.70E-03
5412	ALL	488554.6	3613307	NonCancer	1.72E-03	5.84E-06	1.08E-03	0.00E+00	0.00E+00	1.08E-03	5.84E-06	0.00E+00	5.84E-06	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.72E-03
5413	ALL	488576.4	3613300	NonCancer	1.69E-03	5.73E-06	1.06E-03	0.00E+00	0.00E+00	1.06E-03	5.73E-06	0.00E+00	5.73E-06	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.69E-03
5414	ALL	488598.1	3613292	NonCancer	1.54E-03	5.25E-06	9.72E-04	0.00E+00	0.00E+00	9.72E-04	5.25E-06	0.00E+00	5.25E-06	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00	1.54E-03
5415	ALL	488619.9	3613285	NonCancer	1.33E-03	4.52E-06	8.38E-04	0.00E+00	0.00E+00	8.38E-04	4.52E-06	0.00E+00	4.52E-06	0.00E+00	0.00E+00	8.38E-04	0.00E+00	0.00E+00	1.33E-03
5416	ALL	488641.6	3613278	NonCancer	1.45E-03	4.94E-06	9.15E-04	0.00E+00	0.00E+00	9.15E-04	4.94E-06	0.00E+00	4.94E-06	0.00E+00	0.00E+00	9.15E-04	0.00E+00	0.00E+00	1.45E-03
5417	ALL	488663.4	3613270	NonCancer	1.54E-03	5.23E-06	9.69E-04	0.00E+00	0.00E+00	9.69E-04	5.23E-06	0.00E+00	5.23E-06	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00	1.54E-03
5418	ALL	488685.1	3613263	NonCancer	1.54E-03	5.23E-06	9.68E-04	0.00E+00	0.00E+00	9.68E-04	5.23E-06	0.00E+00	5.23E-06	0.00E+00	0.00E+00	9.68E-04	0.00E+00	0.00E+00	1.54E-03
5419	ALL	488706.8	3613255	NonCancer	1.50E-03	5.09E-06	9.42E-04	0.00E+00	0.00E+00	9.42E-04	5.09E-06	0.00E+00	5.09E-06	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00	1.50E-03
5420	ALL	488728.6	3613248	NonCancer	1.37E-03	4.66E-06	8.63E-04	0.00E+00	0.00E+00	8.63E-04	4.66E-06	0.00E+00	4.66E-06	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	1.37E-03
5421	ALL	488750.3	3613240	NonCancer	1.48E-03	5.02E-06	9.30E-04	0.00E+00	0.00E+00	9.30E-04	5.02E-06	0.00E+00	5.02E-06	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00	1.48E-03
5422	ALL	488772.1	3613233	NonCancer	1.74E-03	5.90E-06	1.09E-03	0.00E+00	0.00E+00	1.09E-03	5.90E-06	0.00E+00	5.90E-06	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	1.74E-03
5423	ALL	488793.8	3613226	NonCancer	1.91E-03	6.49E-06	1.20E-03	0.00E+00	0.00E+00	1.20E-03	6.49E-06	0.00E+00	6.49E-06	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	1.91E-03
5424	ALL	488815.5	3613218	NonCancer	1.96E-03	6.67E-06	1.23E-03	0.00E+00	0.00E+00	1.23E-03	6.67E-06	0.00E+00	6.67E-06	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	1.96E-03
5425	ALL	488837.3	3613211	NonCancer	1.88E-03	6.40E-06	1.18E-03	0.00E+00	0.00E+00	1.18E-03	6.40E-06	0.00E+00	6.40E-06	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	1.88E-03
5426	ALL	488859	3613203	NonCancer	1.82E-03	6.20E-06	1.15E-03	0.00E+00	0.00E+00	1.15E-03	6.20E-06	0.00E+00	6.20E-06	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	1.82E-03
5427	ALL	488880.8	3613196	NonCancer	1.90E-03	6.47E-06	1.20E-03	0.00E+00	0.00E+00	1.20E-03	6.47E-06	0.00E+00	6.47E-06	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	1.90E-03
5428	ALL	488902.5	3613188	NonCancer	1.86E-03	6.32E-06	1.17E-03	0.00E+00	0.00E+00	1.17E-03	6.32E-06	0.00E+00	6.32E-06	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	1.86E-03
5429	ALL	488924.2	3613181	NonCancer	1.71E-03	5.80E-06	1.07E-03	0.00E+00	0.00E+00	1.07E-03	5.80E-06	0.00E+00	5.80E-06	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.71E-03
5430	ALL	488946	3613173	NonCancer	1.47E-03	4.99E-06	9.24E-04	0.00E+00	0.00E+00	9.24E-04	4.99E-06	0.00E+00	4.99E-06	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00	1.47E-03
5431	ALL	488967.7	3613166	NonCancer	1.47E-03	5.01E-06	9.27E-04	0.00E+00	0.00E+00	9.27E-04	5.01E-06	0.00E+00	5.01E-06	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	1.47E-03
5432	ALL	488989.5	3613159	NonCancer	1.60E-03	5.45E-06	1.01E-03	0.00E+00	0.00E+00	1.01E-03	5.45E-06	0.00E+00	5.45E-06	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.60E-03
5433	ALL	489011.2	3613151	NonCancer	1.65E-03	5.59E-06	1.04E-03	0.00E+00	0.00E+00	1.04E-03	5.59E-06	0.00E+00	5.59E-06	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.65E-03
5434	ALL	489033	3613144	NonCancer	1.65E-03	5.60E-06	1.04E-03	0.00E+00	0.00E+00	1.04E-03	5.60E-06	0.00E+00	5.60E-06	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.65E-03
5435	ALL	489054.7	3613136	NonCancer	1.58E-03	5.39E-06	9.97E-04	0.00E+00	0.00E+00	9.97E-04	5.39E-06	0.00E+00	5.39E-06	0.00E+00	0.00E+00	9.97E-04	0.00E+00	0.00E+00	1.58E-03
5436	ALL	489076.4	3613129	NonCancer	1.44E-03	4.89E-06	9.06E-04	0.00E+00	0.00E+00	9.06E-04	4.89E-06	0.00E+00	4.89E-06	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00	1.44E-03
5437	ALL	489098.2	3613121	NonCancer	1.24E-03	4.21E-06	7.80E-04	0.00E+00	0.00E+00	7.80E-04	4.21E-06	0.00E+00	4.21E-06	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	1.24E-03
5438	ALL	488079.5	3614002	NonCancer	1.30E-03	4.41E-06	8.17E-04	0.00E+00	0.00E+00	8.17E-04	4.41E-06	0.00E+00	4.41E-06	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	1.30E-03
5439	ALL	488076.9	3614025	NonCancer	1.30E-03	4.41E-06	8.16E-04	0.00E+00	0.00E+00	8.16E-04	4.41E-06	0.00E+00	4.41E-06	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	1.30E-03
5440	ALL	488074.3	3614048	NonCancer	1.23E-03	4.17E-06	7.72E-04	0.00E+00	0.00E+00	7.72E-04	4.17E-06	0.00E+00	4.17E-06	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	1.23E-03
5441	ALL	488071.7	3614071	NonCancer	1.27E-03	4.32E-06	7.99E-04	0.00E+00	0.00E+00	7.99E-04	4.32E-06	0.00E+00	4.32E-06	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00	1.27E-03
5442	ALL	488069.1	3614094	NonCancer	1.29E-03	4.39E-06	8.12E-04	0.00E+00	0.00E+00	8.12E-04	4.39E-06	0.00E+00	4.39E-06	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	1.29E-03
5443	ALL	488066.5	3614117	NonCancer	1.24E-03	4.22E-06	7.81E-04	0.00E+00	0.00E+00	7.81E-04	4.22E-06	0.00E+00	4.22E-06	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	1.24E-03
5444	ALL	488063.9	3614140	NonCancer	1.40E-03	4.76E-06	8.82E-04	0.00E+00	0.00E+00	8.82E-04	4.76E-06	0.00E+00	4.76E-06	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	1.40E-03
5445	ALL	488061.3	3614163	NonCancer	1.64E-03	5.59E-06	1.04E-03	0.00E+00	0.00E+00	1.04E-03	5.59E-06	0.00E+00	5.59E-06	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.64E-03
5446	ALL	488058.8	3614187	NonCancer	1.80E-03	6.11E-06	1.13E-03	0.00E+00	0.00E+00	1.13E-03	6.11E-06	0.00E+00	6.11E-06	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	1.80E-03
5447	ALL	487891.6	3613959	NonCancer	1.04E-03	3.54E-06	6.55E-04	0.00E+00	0.00E+00	6.55E-04	3.54E-06	0.00E+00	3.54E-06	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	1.04E-03
5448	ALL	487902.5	3613938	NonCancer	1.04E-03	3.52E-06	6.52E-04	0.00E+00	0.00E+00	6.52E-04	3.52E-06	0.00E+00	3.52E-06	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00	1.04E-03
5449	ALL	487913.4	3613918	NonCancer	1.20E-03	4.09E-06	7.58E-04	0.00E+00	0.00E+00	7.58E-04	4.09E-06	0.00E+00	4.09E-06	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00	1.20E-03
5450	ALL	487924.2	3613897	NonCancer	1.33E-03	4.53E-06	8.39E-04	0.00E+00	0.00E+00	8.39E-04	4.53E-06	0.00E+00	4.53E-06	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00	1.33E-03
5451	ALL	487935.1	3613877	NonCancer	1.40E-03	4.77E-06	8.84E-04	0.00E+00	0.00E+00	8.84E-04	4.77E-06	0.00E+00	4.77E-06	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00	1.40E-03
5452	ALL	487946	3613856	NonCancer	1.40E-03	4.78E-06	8.84E-04	0.00E+00	0.00E+00	8.84E-04	4.78E-06	0.00E+00	4.78E-06	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00	1.40E-03
5453	ALL	487956.9	3613836	NonCancer	1.34E-03	4.54E-06	8.40E-04	0.00E+00	0.00E+00	8.40E-04	4.54E-06	0.00E+00	4.54E-06	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00	1.34E-03
5454	ALL	487967.8	3613815	NonCancer	1.20E-03	4.09E-06	7.58E-04	0.00E+00	0.00E+00	7.58E-04	4.09E-06	0.00E+00	4.09E-06	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00	1.20E-03
5455	ALL	487978.7	3613795	NonCancer	1.26E-03	4.29E-06	7.94E-04	0.00E+00	0.00E+00	7.94E-04	4.29E-06	0.00E+00	4.29E-06	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	1.26E-03
5456	ALL	487989.6	3613774	NonCancer	1.38E-03	4.70E-06	8.71E-04	0.00E+00	0.00E+00	8.71E-04	4.70E-06	0.00E+00	4.70E-06	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00	1.38E-03
5457	ALL	488000.5	3613754	NonCancer	1.44E-03	4.90E-06	9.07E-04	0.00E+00	0.00E+00	9.07E-04	4.90E-06	0.00E+00	4.90E-06	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00	1.44E-03
5458	ALL	488011.3	3613733	NonCancer	1.42E-03	4.83E-06	8.95E-04	0.00E+00	0.00E+00	8.95E-04	4.83E-06	0.00E+00	4.83E-06	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	1.42E-03
5459	ALL	488022.2	3613713	NonCancer	1.33E-03	4.52E-06	8.37E-04	0.00E+00	0.00E+00	8.37E-04	4.52E-06	0.00E+00	4.52E-06	0.00E+00	0.00E+00	8.37E-04	0.00E+00	0.00E+00	1.33E-03

5460	ALL	488033.1	3613692	NonCancer	1.18E-03	4.01E-06	7.43E-04	0.00E+00	0.00E+00	7.43E-04	4.01E-06	0.00E+00	4.01E-06	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	1.18E-03
5461	ALL	488044	3613672	NonCancer	1.20E-03	4.08E-06	7.56E-04	0.00E+00	0.00E+00	7.56E-04	4.08E-06	0.00E+00	4.08E-06	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00	1.20E-03
5462	ALL	488054.9	3613651	NonCancer	1.17E-03	3.98E-06	7.37E-04	0.00E+00	0.00E+00	7.37E-04	3.98E-06	0.00E+00	3.98E-06	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	1.17E-03
5463	ALL	488065.8	3613631	NonCancer	1.08E-03	3.68E-06	6.81E-04	0.00E+00	0.00E+00	6.81E-04	3.68E-06	0.00E+00	3.68E-06	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	1.08E-03
5464	ALL	488076.7	3613610	NonCancer	1.14E-03	3.87E-06	7.16E-04	0.00E+00	0.00E+00	7.16E-04	3.87E-06	0.00E+00	3.87E-06	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00	1.14E-03
5465	ALL	488087.5	3613590	NonCancer	1.15E-03	3.92E-06	7.26E-04	0.00E+00	0.00E+00	7.26E-04	3.92E-06	0.00E+00	3.92E-06	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00	1.15E-03
5466	ALL	488098.4	3613569	NonCancer	1.13E-03	3.86E-06	7.14E-04	0.00E+00	0.00E+00	7.14E-04	3.86E-06	0.00E+00	3.86E-06	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00	1.13E-03
5467	ALL	488109.3	3613549	NonCancer	1.20E-03	4.08E-06	7.55E-04	0.00E+00	0.00E+00	7.55E-04	4.08E-06	0.00E+00	4.08E-06	0.00E+00	0.00E+00	7.55E-04	0.00E+00	0.00E+00	1.20E-03
5468	ALL	488120.2	3613528	NonCancer	1.21E-03	4.10E-06	7.60E-04	0.00E+00	0.00E+00	7.60E-04	4.10E-06	0.00E+00	4.10E-06	0.00E+00	0.00E+00	7.60E-04	0.00E+00	0.00E+00	1.21E-03
5469	ALL	488131.1	3613508	NonCancer	1.15E-03	3.92E-06	7.26E-04	0.00E+00	0.00E+00	7.26E-04	3.92E-06	0.00E+00	3.92E-06	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00	1.15E-03
5470	ALL	488142	3613487	NonCancer	1.05E-03	3.59E-06	6.64E-04	0.00E+00	0.00E+00	6.64E-04	3.59E-06	0.00E+00	3.59E-06	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	1.05E-03
5471	ALL	488152.9	3613467	NonCancer	1.09E-03	3.72E-06	6.89E-04	0.00E+00	0.00E+00	6.89E-04	3.72E-06	0.00E+00	3.72E-06	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	1.09E-03
5472	ALL	488163.8	3613446	NonCancer	1.28E-03	4.36E-06	8.07E-04	0.00E+00	0.00E+00	8.07E-04	4.36E-06	0.00E+00	4.36E-06	0.00E+00	0.00E+00	8.07E-04	0.00E+00	0.00E+00	1.28E-03
5473	ALL	488174.6	3613426	NonCancer	1.42E-03	4.83E-06	8.95E-04	0.00E+00	0.00E+00	8.95E-04	4.83E-06	0.00E+00	4.83E-06	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	1.42E-03
5474	ALL	488185.5	3613405	NonCancer	1.49E-03	5.07E-06	9.39E-04	0.00E+00	0.00E+00	9.39E-04	5.07E-06	0.00E+00	5.07E-06	0.00E+00	0.00E+00	9.39E-04	0.00E+00	0.00E+00	1.49E-03
5475	ALL	488196.4	3613384	NonCancer	1.48E-03	5.03E-06	9.32E-04	0.00E+00	0.00E+00	9.32E-04	5.03E-06	0.00E+00	5.03E-06	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00	1.48E-03
5476	ALL	488207.3	3613364	NonCancer	1.39E-03	4.74E-06	8.77E-04	0.00E+00	0.00E+00	8.77E-04	4.74E-06	0.00E+00	4.74E-06	0.00E+00	0.00E+00	8.77E-04	0.00E+00	0.00E+00	1.39E-03
5477	ALL	488218.2	3613343	NonCancer	1.24E-03	4.23E-06	7.84E-04	0.00E+00	0.00E+00	7.84E-04	4.23E-06	0.00E+00	4.23E-06	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00	1.24E-03
5478	ALL	488229.1	3613323	NonCancer	1.06E-03	3.59E-06	6.65E-04	0.00E+00	0.00E+00	6.65E-04	3.59E-06	0.00E+00	3.59E-06	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	1.06E-03
5479	ALL	488240	3613302	NonCancer	8.83E-04	3.00E-06	5.56E-04	0.00E+00	0.00E+00	5.56E-04	3.00E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	8.83E-04
5480	ALL	488250.8	3613282	NonCancer	9.52E-04	3.24E-06	5.99E-04	0.00E+00	0.00E+00	5.99E-04	3.24E-06	0.00E+00	3.24E-06	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00	9.52E-04
5481	ALL	488261.7	3613261	NonCancer	1.02E-03	3.45E-06	6.40E-04	0.00E+00	0.00E+00	6.40E-04	3.45E-06	0.00E+00	3.45E-06	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	1.02E-03
5482	ALL	488272.6	3613241	NonCancer	1.11E-03	3.78E-06	6.99E-04	0.00E+00	0.00E+00	6.99E-04	3.78E-06	0.00E+00	3.78E-06	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00	1.11E-03
5483	ALL	488283.5	3613220	NonCancer	1.16E-03	3.96E-06	7.33E-04	0.00E+00	0.00E+00	7.33E-04	3.96E-06	0.00E+00	3.96E-06	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	1.16E-03
5484	ALL	488316.4	3613192	NonCancer	1.37E-03	4.66E-06	8.62E-04	0.00E+00	0.00E+00	8.62E-04	4.66E-06	0.00E+00	4.66E-06	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00	1.37E-03
5485	ALL	488338.3	3613185	NonCancer	1.42E-03	4.81E-06	8.91E-04	0.00E+00	0.00E+00	8.91E-04	4.81E-06	0.00E+00	4.81E-06	0.00E+00	0.00E+00	8.91E-04	0.00E+00	0.00E+00	1.42E-03
5486	ALL	488360.3	3613177	NonCancer	1.39E-03	4.74E-06	8.78E-04	0.00E+00	0.00E+00	8.78E-04	4.74E-06	0.00E+00	4.74E-06	0.00E+00	0.00E+00	8.78E-04	0.00E+00	0.00E+00	1.39E-03
5487	ALL	488382.3	3613170	NonCancer	1.37E-03	4.64E-06	8.60E-04	0.00E+00	0.00E+00	8.60E-04	4.64E-06	0.00E+00	4.64E-06	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	1.37E-03
5488	ALL	488404.2	3613162	NonCancer	1.32E-03	4.48E-06	8.29E-04	0.00E+00	0.00E+00	8.29E-04	4.48E-06	0.00E+00	4.48E-06	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	1.32E-03
5489	ALL	488426.2	3613155	NonCancer	1.37E-03	4.66E-06	8.63E-04	0.00E+00	0.00E+00	8.63E-04	4.66E-06	0.00E+00	4.66E-06	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	1.37E-03
5490	ALL	488448.2	3613147	NonCancer	1.38E-03	4.70E-06	8.70E-04	0.00E+00	0.00E+00	8.70E-04	4.70E-06	0.00E+00	4.70E-06	0.00E+00	0.00E+00	8.70E-04	0.00E+00	0.00E+00	1.38E-03
5491	ALL	488470.2	3613140	NonCancer	1.37E-03	4.65E-06	8.61E-04	0.00E+00	0.00E+00	8.61E-04	4.65E-06	0.00E+00	4.65E-06	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00	1.37E-03
5492	ALL	488492.1	3613132	NonCancer	1.28E-03	4.35E-06	8.06E-04	0.00E+00	0.00E+00	8.06E-04	4.35E-06	0.00E+00	4.35E-06	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	1.28E-03
5493	ALL	488514.1	3613125	NonCancer	1.13E-03	3.84E-06	7.11E-04	0.00E+00	0.00E+00	7.11E-04	3.84E-06	0.00E+00	3.84E-06	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00	1.13E-03
5494	ALL	488536.1	3613117	NonCancer	1.11E-03	3.76E-06	6.96E-04	0.00E+00	0.00E+00	6.96E-04	3.76E-06	0.00E+00	3.76E-06	0.00E+00	0.00E+00	6.96E-04	0.00E+00	0.00E+00	1.11E-03
5495	ALL	488558	3613110	NonCancer	1.21E-03	4.12E-06	7.64E-04	0.00E+00	0.00E+00	7.64E-04	4.12E-06	0.00E+00	4.12E-06	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00	1.21E-03
5496	ALL	488580	3613102	NonCancer	1.26E-03	4.27E-06	7.91E-04	0.00E+00	0.00E+00	7.91E-04	4.27E-06	0.00E+00	4.27E-06	0.00E+00	0.00E+00	7.91E-04	0.00E+00	0.00E+00	1.26E-03
5497	ALL	488602	3613095	NonCancer	1.24E-03	4.22E-06	7.82E-04	0.00E+00	0.00E+00	7.82E-04	4.22E-06	0.00E+00	4.22E-06	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	1.24E-03
5498	ALL	488623.9	3613087	NonCancer	1.21E-03	4.12E-06	7.63E-04	0.00E+00	0.00E+00	7.63E-04	4.12E-06	0.00E+00	4.12E-06	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00	1.21E-03
5499	ALL	488645.9	3613080	NonCancer	1.13E-03	3.84E-06	7.10E-04	0.00E+00	0.00E+00	7.10E-04	3.84E-06	0.00E+00	3.84E-06	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	1.13E-03
5500	ALL	488667.9	3613072	NonCancer	1.04E-03	3.54E-06	6.56E-04	0.00E+00	0.00E+00	6.56E-04	3.54E-06	0.00E+00	3.54E-06	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	1.04E-03
5501	ALL	488689.9	3613065	NonCancer	1.25E-03	4.26E-06	7.89E-04	0.00E+00	0.00E+00	7.89E-04	4.26E-06	0.00E+00	4.26E-06	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00	1.25E-03
5502	ALL	488711.8	3613057	NonCancer	1.43E-03	4.86E-06	8.99E-04	0.00E+00	0.00E+00	8.99E-04	4.86E-06	0.00E+00	4.86E-06	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00	1.43E-03
5503	ALL	488733.8	3613049	NonCancer	1.54E-03	5.24E-06	9.70E-04	0.00E+00	0.00E+00	9.70E-04	5.24E-06	0.00E+00	5.24E-06	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	1.54E-03
5504	ALL	488755.8	3613042	NonCancer	1.57E-03	5.34E-06	9.88E-04	0.00E+00	0.00E+00	9.88E-04	5.34E-06	0.00E+00	5.34E-06	0.00E+00	0.00E+00	9.88E-04	0.00E+00	0.00E+00	1.57E-03
5505	ALL	488777.7	3613034	NonCancer	1.51E-03	5.14E-06	9.53E-04	0.00E+00	0.00E+00	9.53E-04	5.14E-06	0.00E+00	5.14E-06	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00	1.51E-03
5506	ALL	488799.7	3613027	NonCancer	1.42E-03	4.82E-06	8.92E-04	0.00E+00	0.00E+00	8.92E-04	4.82E-06	0.00E+00	4.82E-06	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00	1.42E-03
5507	ALL	488821.7	3613019	NonCancer	1.51E-03	5.12E-06	9.49E-04	0.00E+00	0.00E+00	9.49E-04	5.12E-06	0.00E+00	5.12E-06	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	1.51E-03
5508	ALL	488843.6	3613012	NonCancer	1.52E-03	5.16E-06	9.56E-04	0.00E+00	0.00E+00	9.56E-04	5.16E-06	0.00E+00	5.16E-06	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00	1.52E-03
5509	ALL	488865.6	3613004	NonCancer	1.45E-03	4.94E-06	9.14E-04	0.00E+00	0.00E+00	9.14E-04	4.94E-06	0.00E+00	4.94E-06	0.00E+00	0.00E+00	9.14E-04	0.00E+00	0.00E+00	1.45E-03
5510	ALL	488887.6	3612997	NonCancer	1.32E-03	4.47E-06	8.29E-04	0.00E+00	0.00E+00	8.29E-04	4.47E-06	0.00E+00	4.47E-06	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	1.32E-03
5511	ALL	488909.5	3612989	NonCancer	1.13E-03	3.85E-06	7.14E-04	0.00E+00	0.00E+00	7.14E-04	3.85E-06	0.00E+00	3.85E-06	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00	1.13E-03

5512	ALL	488931.5	3612982	NonCancer	1.15E-03	3.91E-06	7.25E-04	0.00E+00	0.00E+00	7.25E-04	3.91E-06	0.00E+00	3.91E-06	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	1.15E-03
5513	ALL	488953.5	3612974	NonCancer	1.26E-03	4.28E-06	7.93E-04	0.00E+00	0.00E+00	7.93E-04	4.28E-06	0.00E+00	4.28E-06	0.00E+00	0.00E+00	7.93E-04	0.00E+00	0.00E+00	1.26E-03
5514	ALL	488975.5	3612967	NonCancer	1.31E-03	4.46E-06	8.26E-04	0.00E+00	0.00E+00	8.26E-04	4.46E-06	0.00E+00	4.46E-06	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	1.31E-03
5515	ALL	488997.4	3612959	NonCancer	1.32E-03	4.48E-06	8.30E-04	0.00E+00	0.00E+00	8.30E-04	4.48E-06	0.00E+00	4.48E-06	0.00E+00	0.00E+00	8.30E-04	0.00E+00	0.00E+00	1.32E-03
5516	ALL	489019.4	3612952	NonCancer	1.31E-03	4.45E-06	8.24E-04	0.00E+00	0.00E+00	8.24E-04	4.45E-06	0.00E+00	4.45E-06	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	1.31E-03
5517	ALL	489041.4	3612944	NonCancer	1.24E-03	4.22E-06	7.81E-04	0.00E+00	0.00E+00	7.81E-04	4.22E-06	0.00E+00	4.22E-06	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	1.24E-03
5518	ALL	489063.3	3612937	NonCancer	1.12E-03	3.82E-06	7.08E-04	0.00E+00	0.00E+00	7.08E-04	3.82E-06	0.00E+00	3.82E-06	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	1.12E-03
5519	ALL	489085.3	3612929	NonCancer	9.75E-04	3.31E-06	6.14E-04	0.00E+00	0.00E+00	6.14E-04	3.31E-06	0.00E+00	3.31E-06	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	9.75E-04
5520	ALL	489107.3	3612922	NonCancer	9.64E-04	3.28E-06	6.07E-04	0.00E+00	0.00E+00	6.07E-04	3.28E-06	0.00E+00	3.28E-06	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	9.64E-04
5521	ALL	487880.7	3613979	NonCancer	1.04E-03	3.52E-06	6.53E-04	0.00E+00	0.00E+00	6.53E-04	3.52E-06	0.00E+00	3.52E-06	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	1.04E-03
5522	ALL	487878.1	3614002	NonCancer	9.98E-04	3.39E-06	6.29E-04	0.00E+00	0.00E+00	6.29E-04	3.39E-06	0.00E+00	3.39E-06	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	9.98E-04
5523	ALL	487875.5	3614026	NonCancer	9.74E-04	3.31E-06	6.13E-04	0.00E+00	0.00E+00	6.13E-04	3.31E-06	0.00E+00	3.31E-06	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	9.74E-04
5524	ALL	487872.9	3614049	NonCancer	1.02E-03	3.47E-06	6.42E-04	0.00E+00	0.00E+00	6.42E-04	3.47E-06	0.00E+00	3.47E-06	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	1.02E-03
5525	ALL	487870.3	3614072	NonCancer	1.02E-03	3.48E-06	6.44E-04	0.00E+00	0.00E+00	6.44E-04	3.48E-06	0.00E+00	3.48E-06	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	1.02E-03
5526	ALL	487867.8	3614095	NonCancer	9.80E-04	3.33E-06	6.17E-04	0.00E+00	0.00E+00	6.17E-04	3.33E-06	0.00E+00	3.33E-06	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	9.80E-04
5527	ALL	487865.2	3614118	NonCancer	1.05E-03	3.58E-06	6.63E-04	0.00E+00	0.00E+00	6.63E-04	3.58E-06	0.00E+00	3.58E-06	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	1.05E-03
5528	ALL	487862.6	3614141	NonCancer	1.24E-03	4.22E-06	7.81E-04	0.00E+00	0.00E+00	7.81E-04	4.22E-06	0.00E+00	4.22E-06	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	1.24E-03
5529	ALL	487860	3614164	NonCancer	1.38E-03	4.70E-06	8.70E-04	0.00E+00	0.00E+00	8.70E-04	4.70E-06	0.00E+00	4.70E-06	0.00E+00	0.00E+00	8.70E-04	0.00E+00	0.00E+00	1.38E-03
5530	ALL	487692.7	3613937	NonCancer	8.58E-04	2.92E-06	5.40E-04	0.00E+00	0.00E+00	5.40E-04	2.92E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	8.58E-04
5531	ALL	487703.4	3613917	NonCancer	8.58E-04	2.92E-06	5.40E-04	0.00E+00	0.00E+00	5.40E-04	2.92E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	8.58E-04
5532	ALL	487714.1	3613896	NonCancer	8.29E-04	2.82E-06	5.22E-04	0.00E+00	0.00E+00	5.22E-04	2.82E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	8.29E-04
5533	ALL	487724.8	3613876	NonCancer	9.44E-04	3.21E-06	5.94E-04	0.00E+00	0.00E+00	5.94E-04	3.21E-06	0.00E+00	3.21E-06	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	9.44E-04
5534	ALL	487735.6	3613856	NonCancer	1.05E-03	3.59E-06	6.64E-04	0.00E+00	0.00E+00	6.64E-04	3.59E-06	0.00E+00	3.59E-06	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	1.05E-03
5535	ALL	487746.3	3613836	NonCancer	1.13E-03	3.85E-06	7.13E-04	0.00E+00	0.00E+00	7.13E-04	3.85E-06	0.00E+00	3.85E-06	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	1.13E-03
5536	ALL	487757	3613816	NonCancer	1.17E-03	3.97E-06	7.35E-04	0.00E+00	0.00E+00	7.35E-04	3.97E-06	0.00E+00	3.97E-06	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	1.17E-03
5537	ALL	487767.7	3613795	NonCancer	1.16E-03	3.93E-06	7.27E-04	0.00E+00	0.00E+00	7.27E-04	3.93E-06	0.00E+00	3.93E-06	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00	1.16E-03
5538	ALL	487778.5	3613775	NonCancer	1.10E-03	3.73E-06	6.90E-04	0.00E+00	0.00E+00	6.90E-04	3.73E-06	0.00E+00	3.73E-06	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	1.10E-03
5539	ALL	487789.2	3613755	NonCancer	9.98E-04	3.39E-06	6.29E-04	0.00E+00	0.00E+00	6.29E-04	3.39E-06	0.00E+00	3.39E-06	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	9.98E-04
5540	ALL	487799.9	3613735	NonCancer	1.01E-03	3.43E-06	6.36E-04	0.00E+00	0.00E+00	6.36E-04	3.43E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	1.01E-03
5541	ALL	487810.6	3613715	NonCancer	1.10E-03	3.75E-06	6.94E-04	0.00E+00	0.00E+00	6.94E-04	3.75E-06	0.00E+00	3.75E-06	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	1.10E-03
5542	ALL	487821.4	3613694	NonCancer	1.17E-03	3.98E-06	7.38E-04	0.00E+00	0.00E+00	7.38E-04	3.98E-06	0.00E+00	3.98E-06	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00	1.17E-03
5543	ALL	487832.1	3613674	NonCancer	1.19E-03	4.06E-06	7.51E-04	0.00E+00	0.00E+00	7.51E-04	4.06E-06	0.00E+00	4.06E-06	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	1.19E-03
5544	ALL	487842.8	3613654	NonCancer	1.17E-03	3.96E-06	7.34E-04	0.00E+00	0.00E+00	7.34E-04	3.96E-06	0.00E+00	3.96E-06	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00	1.17E-03
5545	ALL	487853.5	3613634	NonCancer	1.09E-03	3.70E-06	6.86E-04	0.00E+00	0.00E+00	6.86E-04	3.70E-06	0.00E+00	3.70E-06	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00	1.09E-03
5546	ALL	487864.3	3613614	NonCancer	9.76E-04	3.32E-06	6.15E-04	0.00E+00	0.00E+00	6.15E-04	3.32E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	9.76E-04
5547	ALL	487875	3613593	NonCancer	9.92E-04	3.37E-06	6.24E-04	0.00E+00	0.00E+00	6.24E-04	3.37E-06	0.00E+00	3.37E-06	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	9.92E-04
5548	ALL	487885.7	3613573	NonCancer	9.84E-04	3.35E-06	6.20E-04	0.00E+00	0.00E+00	6.20E-04	3.35E-06	0.00E+00	3.35E-06	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	9.84E-04
5549	ALL	487896.4	3613553	NonCancer	9.36E-04	3.18E-06	5.89E-04	0.00E+00	0.00E+00	5.89E-04	3.18E-06	0.00E+00	3.18E-06	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	9.36E-04
5550	ALL	487907.2	3613533	NonCancer	9.03E-04	3.07E-06	5.68E-04	0.00E+00	0.00E+00	5.68E-04	3.07E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	9.03E-04
5551	ALL	487917.9	3613513	NonCancer	9.46E-04	3.22E-06	5.96E-04	0.00E+00	0.00E+00	5.96E-04	3.22E-06	0.00E+00	3.22E-06	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	9.46E-04
5552	ALL	487928.6	3613492	NonCancer	9.53E-04	3.24E-06	6.00E-04	0.00E+00	0.00E+00	6.00E-04	3.24E-06	0.00E+00	3.24E-06	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	9.53E-04
5553	ALL	487939.3	3613472	NonCancer	9.24E-04	3.14E-06	5.82E-04	0.00E+00	0.00E+00	5.82E-04	3.14E-06	0.00E+00	3.14E-06	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	9.24E-04
5554	ALL	487950.1	3613452	NonCancer	9.81E-04	3.34E-06	6.18E-04	0.00E+00	0.00E+00	6.18E-04	3.34E-06	0.00E+00	3.34E-06	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	9.81E-04
5555	ALL	487960.8	3613432	NonCancer	1.00E-03	3.41E-06	6.31E-04	0.00E+00	0.00E+00	6.31E-04	3.41E-06	0.00E+00	3.41E-06	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	1.00E-03
5556	ALL	487971.5	3613411	NonCancer	9.81E-04	3.34E-06	6.18E-04	0.00E+00	0.00E+00	6.18E-04	3.34E-06	0.00E+00	3.34E-06	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	9.81E-04
5557	ALL	487982.3	3613391	NonCancer	9.24E-04	3.14E-06	5.81E-04	0.00E+00	0.00E+00	5.81E-04	3.14E-06	0.00E+00	3.14E-06	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	9.24E-04
5558	ALL	487993	3613371	NonCancer	8.74E-04	2.97E-06	5.50E-04	0.00E+00	0.00E+00	5.50E-04	2.97E-06	0.00E+00	2.97E-06	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	8.74E-04
5559	ALL	488003.7	3613351	NonCancer	8.85E-04	3.01E-06	5.57E-04	0.00E+00	0.00E+00	5.57E-04	3.01E-06	0.00E+00	3.01E-06	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	8.85E-04
5560	ALL	488014.4	3613331	NonCancer	1.03E-03	3.50E-06	6.48E-04	0.00E+00	0.00E+00	6.48E-04	3.50E-06	0.00E+00	3.50E-06	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	1.03E-03
5561	ALL	488025.2	3613310	NonCancer	1.14E-03	3.89E-06	7.20E-04	0.00E+00	0.00E+00	7.20E-04	3.89E-06	0.00E+00	3.89E-06	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00	1.14E-03
5562	ALL	488035.9	3613290	NonCancer	1.22E-03	4.13E-06	7.65E-04	0.00E+00	0.00E+00	7.65E-04	4.13E-06	0.00E+00	4.13E-06	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00	1.22E-03
5563	ALL	488046.6	3613270	NonCancer	1.24E-03	4.20E-06	7.78E-04	0.00E+00	0.00E+00	7.78E-04	4.20E-06	0.00E+00	4.20E-06	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00	1.24E-03

5564	ALL	488057.3	3613250	NonCancer	1.20E-03	4.09E-06	7.58E-04	0.00E+00	0.00E+00	7.58E-04	4.09E-06	0.00E+00	4.09E-06	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00	1.20E-03
5565	ALL	488068.1	3613230	NonCancer	1.12E-03	3.82E-06	7.07E-04	0.00E+00	0.00E+00	7.07E-04	3.82E-06	0.00E+00	3.82E-06	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	1.12E-03
5566	ALL	488078.8	3613209	NonCancer	1.01E-03	3.42E-06	6.33E-04	0.00E+00	0.00E+00	6.33E-04	3.42E-06	0.00E+00	3.42E-06	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	1.01E-03
5567	ALL	488089.5	3613189	NonCancer	8.63E-04	2.94E-06	5.44E-04	0.00E+00	0.00E+00	5.44E-04	2.94E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	8.63E-04
5568	ALL	488100.2	3613169	NonCancer	7.13E-04	2.42E-06	4.49E-04	0.00E+00	0.00E+00	4.49E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	7.13E-04
5569	ALL	488111	3613149	NonCancer	7.61E-04	2.59E-06	4.79E-04	0.00E+00	0.00E+00	4.79E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	7.61E-04
5570	ALL	488121.7	3613129	NonCancer	8.01E-04	2.72E-06	5.04E-04	0.00E+00	0.00E+00	5.04E-04	2.72E-06	0.00E+00	2.72E-06	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	8.01E-04
5571	ALL	488132.4	3613108	NonCancer	8.60E-04	2.92E-06	5.42E-04	0.00E+00	0.00E+00	5.42E-04	2.92E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	8.60E-04
5572	ALL	488143.1	3613088	NonCancer	9.26E-04	3.15E-06	5.83E-04	0.00E+00	0.00E+00	5.83E-04	3.15E-06	0.00E+00	3.15E-06	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	9.26E-04
5573	ALL	488153.9	3613068	NonCancer	9.63E-04	3.27E-06	6.06E-04	0.00E+00	0.00E+00	6.06E-04	3.27E-06	0.00E+00	3.27E-06	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	9.63E-04
5574	ALL	488186.2	3613040	NonCancer	1.11E-03	3.79E-06	7.01E-04	0.00E+00	0.00E+00	7.01E-04	3.79E-06	0.00E+00	3.79E-06	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	1.11E-03
5575	ALL	488207.9	3613033	NonCancer	1.16E-03	3.95E-06	7.32E-04	0.00E+00	0.00E+00	7.32E-04	3.95E-06	0.00E+00	3.95E-06	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	1.16E-03
5576	ALL	488229.5	3613026	NonCancer	1.17E-03	3.97E-06	7.36E-04	0.00E+00	0.00E+00	7.36E-04	3.97E-06	0.00E+00	3.97E-06	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00	1.17E-03
5577	ALL	488251.2	3613018	NonCancer	1.15E-03	3.90E-06	7.23E-04	0.00E+00	0.00E+00	7.23E-04	3.90E-06	0.00E+00	3.90E-06	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	1.15E-03
5578	ALL	488272.8	3613011	NonCancer	1.12E-03	3.80E-06	7.03E-04	0.00E+00	0.00E+00	7.03E-04	3.80E-06	0.00E+00	3.80E-06	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	1.12E-03
5579	ALL	488294.4	3613003	NonCancer	1.09E-03	3.71E-06	6.87E-04	0.00E+00	0.00E+00	6.87E-04	3.71E-06	0.00E+00	3.71E-06	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00	1.09E-03
5580	ALL	488316.1	3612996	NonCancer	1.13E-03	3.85E-06	7.13E-04	0.00E+00	0.00E+00	7.13E-04	3.85E-06	0.00E+00	3.85E-06	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	1.13E-03
5581	ALL	488337.7	3612988	NonCancer	1.14E-03	3.87E-06	7.17E-04	0.00E+00	0.00E+00	7.17E-04	3.87E-06	0.00E+00	3.87E-06	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	1.14E-03
5582	ALL	488359.4	3612981	NonCancer	1.14E-03	3.89E-06	7.20E-04	0.00E+00	0.00E+00	7.20E-04	3.89E-06	0.00E+00	3.89E-06	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00	1.14E-03
5583	ALL	488381	3612974	NonCancer	1.10E-03	3.74E-06	6.92E-04	0.00E+00	0.00E+00	6.92E-04	3.74E-06	0.00E+00	3.74E-06	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00	1.10E-03
5584	ALL	488402.7	3612966	NonCancer	1.01E-03	3.43E-06	6.35E-04	0.00E+00	0.00E+00	6.35E-04	3.43E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	1.01E-03
5585	ALL	488424.3	3612959	NonCancer	8.97E-04	3.05E-06	5.65E-04	0.00E+00	0.00E+00	5.65E-04	3.05E-06	0.00E+00	3.05E-06	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	8.97E-04
5586	ALL	488446	3612951	NonCancer	9.02E-04	3.07E-06	5.68E-04	0.00E+00	0.00E+00	5.68E-04	3.07E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	9.02E-04
5587	ALL	488467.6	3612944	NonCancer	9.74E-04	3.31E-06	6.13E-04	0.00E+00	0.00E+00	6.13E-04	3.31E-06	0.00E+00	3.31E-06	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	9.74E-04
5588	ALL	488489.2	3612937	NonCancer	1.01E-03	3.44E-06	6.37E-04	0.00E+00	0.00E+00	6.37E-04	3.44E-06	0.00E+00	3.44E-06	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	1.01E-03
5589	ALL	488510.9	3612929	NonCancer	1.01E-03	3.44E-06	6.37E-04	0.00E+00	0.00E+00	6.37E-04	3.44E-06	0.00E+00	3.44E-06	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	1.01E-03
5590	ALL	488532.5	3612922	NonCancer	1.00E-03	3.40E-06	6.30E-04	0.00E+00	0.00E+00	6.30E-04	3.40E-06	0.00E+00	3.40E-06	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	1.00E-03
5591	ALL	488554.2	3612914	NonCancer	9.63E-04	3.27E-06	6.06E-04	0.00E+00	0.00E+00	6.06E-04	3.27E-06	0.00E+00	3.27E-06	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	9.63E-04
5592	ALL	488575.8	3612907	NonCancer	8.86E-04	3.01E-06	5.58E-04	0.00E+00	0.00E+00	5.58E-04	3.01E-06	0.00E+00	3.01E-06	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	8.86E-04
5593	ALL	488597.5	3612900	NonCancer	8.59E-04	2.92E-06	5.41E-04	0.00E+00	0.00E+00	5.41E-04	2.92E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	8.59E-04
5594	ALL	488619.1	3612892	NonCancer	1.01E-03	3.43E-06	6.34E-04	0.00E+00	0.00E+00	6.34E-04	3.43E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	1.01E-03
5595	ALL	488640.8	3612885	NonCancer	1.14E-03	3.89E-06	7.21E-04	0.00E+00	0.00E+00	7.21E-04	3.89E-06	0.00E+00	3.89E-06	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	1.14E-03
5596	ALL	488662.4	3612877	NonCancer	1.24E-03	4.23E-06	7.84E-04	0.00E+00	0.00E+00	7.84E-04	4.23E-06	0.00E+00	4.23E-06	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00	1.24E-03
5597	ALL	488684	3612870	NonCancer	1.29E-03	4.40E-06	8.15E-04	0.00E+00	0.00E+00	8.15E-04	4.40E-06	0.00E+00	4.40E-06	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00	1.29E-03
5598	ALL	488705.7	3612862	NonCancer	1.29E-03	4.37E-06	8.10E-04	0.00E+00	0.00E+00	8.10E-04	4.37E-06	0.00E+00	4.37E-06	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00	1.29E-03
5599	ALL	488727.3	3612855	NonCancer	1.22E-03	4.16E-06	7.70E-04	0.00E+00	0.00E+00	7.70E-04	4.16E-06	0.00E+00	4.16E-06	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00	1.22E-03
5600	ALL	488749	3612848	NonCancer	1.18E-03	4.00E-06	7.40E-04	0.00E+00	0.00E+00	7.40E-04	4.00E-06	0.00E+00	4.00E-06	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00	1.18E-03
5601	ALL	488770.6	3612840	NonCancer	1.24E-03	4.22E-06	7.82E-04	0.00E+00	0.00E+00	7.82E-04	4.22E-06	0.00E+00	4.22E-06	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	1.24E-03
5602	ALL	488792.3	3612833	NonCancer	1.26E-03	4.27E-06	7.92E-04	0.00E+00	0.00E+00	7.92E-04	4.27E-06	0.00E+00	4.27E-06	0.00E+00	0.00E+00	7.92E-04	0.00E+00	0.00E+00	1.26E-03
5603	ALL	488813.9	3612825	NonCancer	1.22E-03	4.15E-06	7.68E-04	0.00E+00	0.00E+00	7.68E-04	4.15E-06	0.00E+00	4.15E-06	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	1.22E-03
5604	ALL	488835.6	3612818	NonCancer	1.13E-03	3.85E-06	7.14E-04	0.00E+00	0.00E+00	7.14E-04	3.85E-06	0.00E+00	3.85E-06	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00	1.13E-03
5605	ALL	488857.2	3612811	NonCancer	1.01E-03	3.44E-06	6.36E-04	0.00E+00	0.00E+00	6.36E-04	3.44E-06	0.00E+00	3.44E-06	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	1.01E-03
5606	ALL	488878.8	3612803	NonCancer	8.65E-04	2.94E-06	5.44E-04	0.00E+00	0.00E+00	5.44E-04	2.94E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	8.65E-04
5607	ALL	488900.5	3612796	NonCancer	9.52E-04	3.24E-06	5.99E-04	0.00E+00	0.00E+00	5.99E-04	3.24E-06	0.00E+00	3.24E-06	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00	9.52E-04
5608	ALL	488922.1	3612788	NonCancer	1.03E-03	3.51E-06	6.50E-04	0.00E+00	0.00E+00	6.50E-04	3.51E-06	0.00E+00	3.51E-06	0.00E+00	0.00E+00	6.50E-04	0.00E+00	0.00E+00	1.03E-03
5609	ALL	488943.8	3612781	NonCancer	1.08E-03	3.66E-06	6.78E-04	0.00E+00	0.00E+00	6.78E-04	3.66E-06	0.00E+00	3.66E-06	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	1.08E-03
5610	ALL	488965.4	3612774	NonCancer	1.08E-03	3.68E-06	6.81E-04	0.00E+00	0.00E+00	6.81E-04	3.68E-06	0.00E+00	3.68E-06	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	1.08E-03
5611	ALL	488987.1	3612766	NonCancer	1.09E-03	3.70E-06	6.86E-04	0.00E+00	0.00E+00	6.86E-04	3.70E-06	0.00E+00	3.70E-06	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00	1.09E-03
5612	ALL	489008.7	3612759	NonCancer	1.06E-03	3.60E-06	6.67E-04	0.00E+00	0.00E+00	6.67E-04	3.60E-06	0.00E+00	3.60E-06	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	1.06E-03
5613	ALL	489030.4	3612751	NonCancer	9.94E-04	3.38E-06	6.26E-04	0.00E+00	0.00E+00	6.26E-04	3.38E-06	0.00E+00	3.38E-06	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	9.94E-04
5614	ALL	489052	3612744	NonCancer	8.98E-04	3.05E-06	5.66E-04	0.00E+00	0.00E+00	5.66E-04	3.05E-06	0.00E+00	3.05E-06	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	8.98E-04
5615	ALL	489073.6	3612737	NonCancer	7.84E-04	2.67E-06	4.94E-04	0.00E+00	0.00E+00	4.94E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	7.84E-04

5616	ALL	489095.3	3612729	NonCancer	7.72E-04	2.62E-06	4.86E-04	0.00E+00	0.00E+00	4.86E-04	2.62E-06	0.00E+00	2.62E-06	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	7.72E-04
5617	ALL	489116.9	3612722	NonCancer	8.46E-04	2.88E-06	5.33E-04	0.00E+00	0.00E+00	5.33E-04	2.88E-06	0.00E+00	2.88E-06	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	8.46E-04
5618	ALL	487681.9	3613957	NonCancer	8.31E-04	2.82E-06	5.23E-04	0.00E+00	0.00E+00	5.23E-04	2.82E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	8.31E-04
5619	ALL	487679.4	3613980	NonCancer	7.81E-04	2.66E-06	4.92E-04	0.00E+00	0.00E+00	4.92E-04	2.66E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	7.81E-04
5620	ALL	487676.8	3614003	NonCancer	8.16E-04	2.77E-06	5.14E-04	0.00E+00	0.00E+00	5.14E-04	2.77E-06	0.00E+00	2.77E-06	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	8.16E-04
5621	ALL	487674.2	3614026	NonCancer	8.40E-04	2.86E-06	5.29E-04	0.00E+00	0.00E+00	5.29E-04	2.86E-06	0.00E+00	2.86E-06	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	8.40E-04
5622	ALL	487671.6	3614050	NonCancer	8.35E-04	2.84E-06	5.25E-04	0.00E+00	0.00E+00	5.25E-04	2.84E-06	0.00E+00	2.84E-06	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	8.35E-04
5623	ALL	487669	3614073	NonCancer	7.99E-04	2.72E-06	5.03E-04	0.00E+00	0.00E+00	5.03E-04	2.72E-06	0.00E+00	2.72E-06	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	7.99E-04
5624	ALL	487666.4	3614096	NonCancer	8.18E-04	2.78E-06	5.15E-04	0.00E+00	0.00E+00	5.15E-04	2.78E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	8.18E-04
5625	ALL	487663.8	3614119	NonCancer	9.65E-04	3.28E-06	6.08E-04	0.00E+00	0.00E+00	6.08E-04	3.28E-06	0.00E+00	3.28E-06	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00	9.65E-04
5626	ALL	487661.2	3614142	NonCancer	1.09E-03	3.70E-06	6.85E-04	0.00E+00	0.00E+00	6.85E-04	3.70E-06	0.00E+00	3.70E-06	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00	1.09E-03
5627	ALL	487494	3613914	NonCancer	7.09E-04	2.41E-06	4.46E-04	0.00E+00	0.00E+00	4.46E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	7.09E-04
5628	ALL	487504.8	3613894	NonCancer	7.27E-04	2.47E-06	4.58E-04	0.00E+00	0.00E+00	4.58E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	7.27E-04
5629	ALL	487515.6	3613874	NonCancer	7.24E-04	2.46E-06	4.56E-04	0.00E+00	0.00E+00	4.56E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	7.24E-04
5630	ALL	487526.4	3613853	NonCancer	7.01E-04	2.38E-06	4.41E-04	0.00E+00	0.00E+00	4.41E-04	2.38E-06	0.00E+00	2.38E-06	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	7.01E-04
5631	ALL	487537.3	3613833	NonCancer	7.66E-04	2.61E-06	4.83E-04	0.00E+00	0.00E+00	4.83E-04	2.61E-06	0.00E+00	2.61E-06	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	7.66E-04
5632	ALL	487548.1	3613813	NonCancer	8.59E-04	2.92E-06	5.41E-04	0.00E+00	0.00E+00	5.41E-04	2.92E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	8.59E-04
5633	ALL	487558.9	3613792	NonCancer	9.32E-04	3.17E-06	5.87E-04	0.00E+00	0.00E+00	5.87E-04	3.17E-06	0.00E+00	3.17E-06	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	9.32E-04
5634	ALL	487569.7	3613772	NonCancer	9.76E-04	3.32E-06	6.14E-04	0.00E+00	0.00E+00	6.14E-04	3.32E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	9.76E-04
5635	ALL	487580.5	3613751	NonCancer	9.87E-04	3.35E-06	6.21E-04	0.00E+00	0.00E+00	6.21E-04	3.35E-06	0.00E+00	3.35E-06	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	9.87E-04
5636	ALL	487591.3	3613731	NonCancer	9.63E-04	3.27E-06	6.06E-04	0.00E+00	0.00E+00	6.06E-04	3.27E-06	0.00E+00	3.27E-06	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	9.63E-04
5637	ALL	487602.2	3613711	NonCancer	9.07E-04	3.08E-06	5.71E-04	0.00E+00	0.00E+00	5.71E-04	3.08E-06	0.00E+00	3.08E-06	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	9.07E-04
5638	ALL	487613	3613690	NonCancer	8.24E-04	2.80E-06	5.19E-04	0.00E+00	0.00E+00	5.19E-04	2.80E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	8.24E-04
5639	ALL	487623.8	3613670	NonCancer	8.51E-04	2.89E-06	5.36E-04	0.00E+00	0.00E+00	5.36E-04	2.89E-06	0.00E+00	2.89E-06	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	8.51E-04
5640	ALL	487634.6	3613650	NonCancer	9.14E-04	3.11E-06	5.76E-04	0.00E+00	0.00E+00	5.76E-04	3.11E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	9.14E-04
5641	ALL	487645.4	3613629	NonCancer	9.77E-04	3.32E-06	6.15E-04	0.00E+00	0.00E+00	6.15E-04	3.32E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	9.77E-04
5642	ALL	487656.2	3613609	NonCancer	1.01E-03	3.42E-06	6.34E-04	0.00E+00	0.00E+00	6.34E-04	3.42E-06	0.00E+00	3.42E-06	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	1.01E-03
5643	ALL	487667	3613588	NonCancer	9.99E-04	3.40E-06	6.29E-04	0.00E+00	0.00E+00	6.29E-04	3.40E-06	0.00E+00	3.40E-06	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	9.99E-04
5644	ALL	487677.9	3613568	NonCancer	9.57E-04	3.25E-06	6.02E-04	0.00E+00	0.00E+00	6.02E-04	3.25E-06	0.00E+00	3.25E-06	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	9.57E-04
5645	ALL	487688.7	3613548	NonCancer	8.83E-04	3.00E-06	5.56E-04	0.00E+00	0.00E+00	5.56E-04	3.00E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	8.83E-04
5646	ALL	487699.5	3613527	NonCancer	8.17E-04	2.78E-06	5.14E-04	0.00E+00	0.00E+00	5.14E-04	2.78E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	8.17E-04
5647	ALL	487710.3	3613507	NonCancer	8.39E-04	2.85E-06	5.28E-04	0.00E+00	0.00E+00	5.28E-04	2.85E-06	0.00E+00	2.85E-06	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	8.39E-04
5648	ALL	487721.1	3613487	NonCancer	8.31E-04	2.82E-06	5.23E-04	0.00E+00	0.00E+00	5.23E-04	2.82E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	8.31E-04
5649	ALL	487731.9	3613466	NonCancer	7.93E-04	2.70E-06	4.99E-04	0.00E+00	0.00E+00	4.99E-04	2.70E-06	0.00E+00	2.70E-06	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	7.93E-04
5650	ALL	487742.8	3613446	NonCancer	7.49E-04	2.55E-06	4.72E-04	0.00E+00	0.00E+00	4.72E-04	2.55E-06	0.00E+00	2.55E-06	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	7.49E-04
5651	ALL	487753.6	3613425	NonCancer	7.91E-04	2.69E-06	4.98E-04	0.00E+00	0.00E+00	4.98E-04	2.69E-06	0.00E+00	2.69E-06	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	7.91E-04
5652	ALL	487764.4	3613405	NonCancer	8.08E-04	2.75E-06	5.09E-04	0.00E+00	0.00E+00	5.09E-04	2.75E-06	0.00E+00	2.75E-06	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	8.08E-04
5653	ALL	487775.2	3613385	NonCancer	7.98E-04	2.71E-06	5.02E-04	0.00E+00	0.00E+00	5.02E-04	2.71E-06	0.00E+00	2.71E-06	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	7.98E-04
5654	ALL	487786	3613364	NonCancer	7.99E-04	2.72E-06	5.03E-04	0.00E+00	0.00E+00	5.03E-04	2.72E-06	0.00E+00	2.72E-06	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	7.99E-04
5655	ALL	487796.8	3613344	NonCancer	8.37E-04	2.85E-06	5.27E-04	0.00E+00	0.00E+00	5.27E-04	2.85E-06	0.00E+00	2.85E-06	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	8.37E-04
5656	ALL	487807.6	3613324	NonCancer	8.47E-04	2.88E-06	5.33E-04	0.00E+00	0.00E+00	5.33E-04	2.88E-06	0.00E+00	2.88E-06	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	8.47E-04
5657	ALL	487818.5	3613303	NonCancer	8.27E-04	2.81E-06	5.21E-04	0.00E+00	0.00E+00	5.21E-04	2.81E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	8.27E-04
5658	ALL	487829.3	3613283	NonCancer	7.80E-04	2.65E-06	4.91E-04	0.00E+00	0.00E+00	4.91E-04	2.65E-06	0.00E+00	2.65E-06	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	7.80E-04
5659	ALL	487840.1	3613262	NonCancer	7.37E-04	2.51E-06	4.64E-04	0.00E+00	0.00E+00	4.64E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	7.37E-04
5660	ALL	487850.9	3613242	NonCancer	7.39E-04	2.51E-06	4.65E-04	0.00E+00	0.00E+00	4.65E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	7.39E-04
5661	ALL	487861.7	3613222	NonCancer	8.12E-04	2.76E-06	5.11E-04	0.00E+00	0.00E+00	5.11E-04	2.76E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	8.12E-04
5662	ALL	487872.5	3613201	NonCancer	9.16E-04	3.11E-06	5.76E-04	0.00E+00	0.00E+00	5.76E-04	3.11E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	9.16E-04
5663	ALL	487883.4	3613181	NonCancer	9.93E-04	3.38E-06	6.25E-04	0.00E+00	0.00E+00	6.25E-04	3.38E-06	0.00E+00	3.38E-06	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	9.93E-04
5664	ALL	487894.2	3613160	NonCancer	1.04E-03	3.53E-06	6.53E-04	0.00E+00	0.00E+00	6.53E-04	3.53E-06	0.00E+00	3.53E-06	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	1.04E-03
5665	ALL	487905	3613140	NonCancer	1.04E-03	3.55E-06	6.57E-04	0.00E+00	0.00E+00	6.57E-04	3.55E-06	0.00E+00	3.55E-06	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	1.04E-03
5666	ALL	487915.8	3613120	NonCancer	1.01E-03	3.44E-06	6.37E-04	0.00E+00	0.00E+00	6.37E-04	3.44E-06	0.00E+00	3.44E-06	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	1.01E-03
5667	ALL	487926.6	3613099	NonCancer	9.45E-04	3.21E-06	5.95E-04	0.00E+00	0.00E+00	5.95E-04	3.21E-06	0.00E+00	3.21E-06	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	9.45E-04

5668	ALL	487937.4	3613079	NonCancer	8.52E-04	2.90E-06	5.36E-04	0.00E+00	0.00E+00	5.36E-04	2.90E-06	0.00E+00	2.90E-06	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	8.52E-04
5669	ALL	487948.2	3613059	NonCancer	7.41E-04	2.52E-06	4.66E-04	0.00E+00	0.00E+00	4.66E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	7.41E-04
5670	ALL	487959.1	3613038	NonCancer	6.23E-04	2.12E-06	3.92E-04	0.00E+00	0.00E+00	3.92E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	6.23E-04
5671	ALL	487969.9	3613018	NonCancer	6.16E-04	2.09E-06	3.88E-04	0.00E+00	0.00E+00	3.88E-04	2.09E-06	0.00E+00	2.09E-06	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	6.16E-04
5672	ALL	487980.7	3612997	NonCancer	6.57E-04	2.23E-06	4.13E-04	0.00E+00	0.00E+00	4.13E-04	2.23E-06	0.00E+00	2.23E-06	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	6.57E-04
5673	ALL	487991.5	3612977	NonCancer	6.82E-04	2.32E-06	4.29E-04	0.00E+00	0.00E+00	4.29E-04	2.32E-06	0.00E+00	2.32E-06	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	6.82E-04
5674	ALL	488002.3	3612957	NonCancer	7.35E-04	2.50E-06	4.63E-04	0.00E+00	0.00E+00	4.63E-04	2.50E-06	0.00E+00	2.50E-06	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	7.35E-04
5675	ALL	488013.1	3612936	NonCancer	7.84E-04	2.67E-06	4.94E-04	0.00E+00	0.00E+00	4.94E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	7.84E-04
5676	ALL	488024	3612916	NonCancer	8.13E-04	2.76E-06	5.12E-04	0.00E+00	0.00E+00	5.12E-04	2.76E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	8.13E-04
5677	ALL	488056.6	3612888	NonCancer	9.27E-04	3.15E-06	5.83E-04	0.00E+00	0.00E+00	5.83E-04	3.15E-06	0.00E+00	3.15E-06	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	9.27E-04
5678	ALL	488078.4	3612881	NonCancer	9.74E-04	3.31E-06	6.13E-04	0.00E+00	0.00E+00	6.13E-04	3.31E-06	0.00E+00	3.31E-06	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	9.74E-04
5679	ALL	488100.3	3612873	NonCancer	9.92E-04	3.37E-06	6.24E-04	0.00E+00	0.00E+00	6.24E-04	3.37E-06	0.00E+00	3.37E-06	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	9.92E-04
5680	ALL	488122.1	3612866	NonCancer	9.76E-04	3.32E-06	6.14E-04	0.00E+00	0.00E+00	6.14E-04	3.32E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	9.76E-04
5681	ALL	488143.9	3612858	NonCancer	9.66E-04	3.28E-06	6.08E-04	0.00E+00	0.00E+00	6.08E-04	3.28E-06	0.00E+00	3.28E-06	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00	9.66E-04
5682	ALL	488165.7	3612851	NonCancer	9.28E-04	3.15E-06	5.84E-04	0.00E+00	0.00E+00	5.84E-04	3.15E-06	0.00E+00	3.15E-06	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	9.28E-04
5683	ALL	488187.6	3612843	NonCancer	9.30E-04	3.16E-06	5.86E-04	0.00E+00	0.00E+00	5.86E-04	3.16E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	9.30E-04
5684	ALL	488209.4	3612836	NonCancer	9.59E-04	3.26E-06	6.04E-04	0.00E+00	0.00E+00	6.04E-04	3.26E-06	0.00E+00	3.26E-06	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	9.59E-04
5685	ALL	488231.2	3612828	NonCancer	9.62E-04	3.27E-06	6.06E-04	0.00E+00	0.00E+00	6.06E-04	3.27E-06	0.00E+00	3.27E-06	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	9.62E-04
5686	ALL	488253	3612821	NonCancer	9.70E-04	3.30E-06	6.11E-04	0.00E+00	0.00E+00	6.11E-04	3.30E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	9.70E-04
5687	ALL	488274.9	3612813	NonCancer	9.41E-04	3.20E-06	5.92E-04	0.00E+00	0.00E+00	5.92E-04	3.20E-06	0.00E+00	3.20E-06	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	9.41E-04
5688	ALL	488296.7	3612806	NonCancer	8.77E-04	2.98E-06	5.52E-04	0.00E+00	0.00E+00	5.52E-04	2.98E-06	0.00E+00	2.98E-06	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	8.77E-04
5689	ALL	488318.5	3612798	NonCancer	7.85E-04	2.67E-06	4.94E-04	0.00E+00	0.00E+00	4.94E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	7.85E-04
5690	ALL	488340.3	3612791	NonCancer	7.41E-04	2.52E-06	4.66E-04	0.00E+00	0.00E+00	4.66E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	7.41E-04
5691	ALL	488362.2	3612784	NonCancer	7.81E-04	2.66E-06	4.92E-04	0.00E+00	0.00E+00	4.92E-04	2.66E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	7.81E-04
5692	ALL	488384	3612776	NonCancer	8.32E-04	2.83E-06	5.24E-04	0.00E+00	0.00E+00	5.24E-04	2.83E-06	0.00E+00	2.83E-06	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	8.32E-04
5693	ALL	488405.8	3612769	NonCancer	8.58E-04	2.92E-06	5.40E-04	0.00E+00	0.00E+00	5.40E-04	2.92E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	8.58E-04
5694	ALL	488427.6	3612761	NonCancer	8.55E-04	2.91E-06	5.39E-04	0.00E+00	0.00E+00	5.39E-04	2.91E-06	0.00E+00	2.91E-06	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	8.55E-04
5695	ALL	488449.5	3612754	NonCancer	8.49E-04	2.88E-06	5.34E-04	0.00E+00	0.00E+00	5.34E-04	2.88E-06	0.00E+00	2.88E-06	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	8.49E-04
5696	ALL	488471.3	3612746	NonCancer	8.22E-04	2.80E-06	5.18E-04	0.00E+00	0.00E+00	5.18E-04	2.80E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	8.22E-04
5697	ALL	488493.1	3612739	NonCancer	7.67E-04	2.61E-06	4.83E-04	0.00E+00	0.00E+00	4.83E-04	2.61E-06	0.00E+00	2.61E-06	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	7.67E-04
5698	ALL	488515	3612731	NonCancer	6.96E-04	2.37E-06	4.38E-04	0.00E+00	0.00E+00	4.38E-04	2.37E-06	0.00E+00	2.37E-06	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	6.96E-04
5699	ALL	488536.8	3612724	NonCancer	7.52E-04	2.56E-06	4.73E-04	0.00E+00	0.00E+00	4.73E-04	2.56E-06	0.00E+00	2.56E-06	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	7.52E-04
5700	ALL	488558.6	3612716	NonCancer	8.70E-04	2.96E-06	5.48E-04	0.00E+00	0.00E+00	5.48E-04	2.96E-06	0.00E+00	2.96E-06	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	8.70E-04
5701	ALL	488580.4	3612709	NonCancer	9.71E-04	3.30E-06	6.11E-04	0.00E+00	0.00E+00	6.11E-04	3.30E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	9.71E-04
5702	ALL	488602.3	3612701	NonCancer	1.04E-03	3.54E-06	6.56E-04	0.00E+00	0.00E+00	6.56E-04	3.54E-06	0.00E+00	3.54E-06	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	1.04E-03
5703	ALL	488624.1	3612694	NonCancer	1.09E-03	3.71E-06	6.88E-04	0.00E+00	0.00E+00	6.88E-04	3.71E-06	0.00E+00	3.71E-06	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	1.09E-03
5704	ALL	488645.9	3612686	NonCancer	1.09E-03	3.70E-06	6.84E-04	0.00E+00	0.00E+00	6.84E-04	3.70E-06	0.00E+00	3.70E-06	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	1.09E-03
5705	ALL	488667.7	3612679	NonCancer	1.04E-03	3.53E-06	6.55E-04	0.00E+00	0.00E+00	6.55E-04	3.53E-06	0.00E+00	3.53E-06	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	1.04E-03
5706	ALL	488689.6	3612671	NonCancer	9.66E-04	3.28E-06	6.08E-04	0.00E+00	0.00E+00	6.08E-04	3.28E-06	0.00E+00	3.28E-06	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00	9.66E-04
5707	ALL	488711.4	3612664	NonCancer	1.03E-03	3.50E-06	6.49E-04	0.00E+00	0.00E+00	6.49E-04	3.50E-06	0.00E+00	3.50E-06	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	1.03E-03
5708	ALL	488733.2	3612656	NonCancer	1.06E-03	3.61E-06	6.68E-04	0.00E+00	0.00E+00	6.68E-04	3.61E-06	0.00E+00	3.61E-06	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	1.06E-03
5709	ALL	488755	3612649	NonCancer	1.05E-03	3.58E-06	6.63E-04	0.00E+00	0.00E+00	6.63E-04	3.58E-06	0.00E+00	3.58E-06	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	1.05E-03
5710	ALL	488776.9	3612642	NonCancer	1.01E-03	3.42E-06	6.34E-04	0.00E+00	0.00E+00	6.34E-04	3.42E-06	0.00E+00	3.42E-06	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	1.01E-03
5711	ALL	488798.7	3612634	NonCancer	9.28E-04	3.15E-06	5.84E-04	0.00E+00	0.00E+00	5.84E-04	3.15E-06	0.00E+00	3.15E-06	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	9.28E-04
5712	ALL	488820.5	3612627	NonCancer	8.25E-04	2.81E-06	5.20E-04	0.00E+00	0.00E+00	5.20E-04	2.81E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	8.25E-04
5713	ALL	488842.3	3612619	NonCancer	7.09E-04	2.41E-06	4.46E-04	0.00E+00	0.00E+00	4.46E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	7.09E-04
5714	ALL	488864.2	3612612	NonCancer	7.86E-04	2.67E-06	4.95E-04	0.00E+00	0.00E+00	4.95E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	7.86E-04
5715	ALL	488886	3612604	NonCancer	8.54E-04	2.90E-06	5.38E-04	0.00E+00	0.00E+00	5.38E-04	2.90E-06	0.00E+00	2.90E-06	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	8.54E-04
5716	ALL	488907.8	3612597	NonCancer	8.98E-04	3.05E-06	5.66E-04	0.00E+00	0.00E+00	5.66E-04	3.05E-06	0.00E+00	3.05E-06	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	8.98E-04
5717	ALL	488929.6	3612589	NonCancer	9.14E-04	3.11E-06	5.76E-04	0.00E+00	0.00E+00	5.76E-04	3.11E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	9.14E-04
5718	ALL	488951.5	3612582	NonCancer	9.18E-04	3.12E-06	5.78E-04	0.00E+00	0.00E+00	5.78E-04	3.12E-06	0.00E+00	3.12E-06	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	9.18E-04
5719	ALL	488973.3	3612574	NonCancer	9.12E-04	3.10E-06	5.74E-04	0.00E+00	0.00E+00	5.74E-04	3.10E-06	0.00E+00	3.10E-06	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	9.12E-04

5720	ALL	488995.1	3612567	NonCancer	8.79E-04	2.99E-06	5.53E-04	0.00E+00	0.00E+00	5.53E-04	2.99E-06	0.00E+00	2.99E-06	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	8.79E-04
5721	ALL	489017	3612559	NonCancer	8.20E-04	2.79E-06	5.16E-04	0.00E+00	0.00E+00	5.16E-04	2.79E-06	0.00E+00	2.79E-06	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	8.20E-04
5722	ALL	489038.8	3612552	NonCancer	7.42E-04	2.52E-06	4.67E-04	0.00E+00	0.00E+00	4.67E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	7.42E-04
5723	ALL	489060.6	3612544	NonCancer	6.51E-04	2.21E-06	4.10E-04	0.00E+00	0.00E+00	4.10E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	6.51E-04
5724	ALL	489082.4	3612537	NonCancer	6.30E-04	2.14E-06	3.97E-04	0.00E+00	0.00E+00	3.97E-04	2.14E-06	0.00E+00	2.14E-06	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	6.30E-04
5725	ALL	489104.3	3612529	NonCancer	6.94E-04	2.36E-06	4.37E-04	0.00E+00	0.00E+00	4.37E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	6.94E-04
5726	ALL	489126.1	3612522	NonCancer	7.41E-04	2.52E-06	4.66E-04	0.00E+00	0.00E+00	4.66E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	7.41E-04
5727	ALL	487483.2	3613935	NonCancer	6.73E-04	2.29E-06	4.24E-04	0.00E+00	0.00E+00	4.24E-04	2.29E-06	0.00E+00	2.29E-06	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	6.73E-04
5728	ALL	487480.6	3613958	NonCancer	6.63E-04	2.25E-06	4.17E-04	0.00E+00	0.00E+00	4.17E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	6.63E-04
5729	ALL	487478	3613981	NonCancer	6.95E-04	2.36E-06	4.38E-04	0.00E+00	0.00E+00	4.38E-04	2.36E-06	0.00E+00	2.36E-06	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	6.95E-04
5730	ALL	487475.4	3614004	NonCancer	7.07E-04	2.40E-06	4.45E-04	0.00E+00	0.00E+00	4.45E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	7.07E-04
5731	ALL	487472.8	3614027	NonCancer	6.98E-04	2.37E-06	4.39E-04	0.00E+00	0.00E+00	4.39E-04	2.37E-06	0.00E+00	2.37E-06	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	6.98E-04
5732	ALL	487470.2	3614050	NonCancer	6.68E-04	2.27E-06	4.21E-04	0.00E+00	0.00E+00	4.21E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	6.68E-04
5733	ALL	487467.7	3614074	NonCancer	6.54E-04	2.22E-06	4.12E-04	0.00E+00	0.00E+00	4.12E-04	2.22E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	6.54E-04
5734	ALL	487465.1	3614097	NonCancer	7.71E-04	2.62E-06	4.86E-04	0.00E+00	0.00E+00	4.86E-04	2.62E-06	0.00E+00	2.62E-06	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	7.71E-04
5735	ALL	487462.5	3614120	NonCancer	8.74E-04	2.97E-06	5.51E-04	0.00E+00	0.00E+00	5.51E-04	2.97E-06	0.00E+00	2.97E-06	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	8.74E-04
5736	ALL	487295.3	3613892	NonCancer	5.89E-04	2.00E-06	3.71E-04	0.00E+00	0.00E+00	3.71E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	5.89E-04
5737	ALL	487306.2	3613872	NonCancer	6.14E-04	2.09E-06	3.87E-04	0.00E+00	0.00E+00	3.87E-04	2.09E-06	0.00E+00	2.09E-06	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	6.14E-04
5738	ALL	487317.1	3613851	NonCancer	6.26E-04	2.13E-06	3.94E-04	0.00E+00	0.00E+00	3.94E-04	2.13E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	6.26E-04
5739	ALL	487328	3613831	NonCancer	6.21E-04	2.11E-06	3.91E-04	0.00E+00	0.00E+00	3.91E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	6.21E-04
5740	ALL	487338.9	3613810	NonCancer	6.02E-04	2.05E-06	3.79E-04	0.00E+00	0.00E+00	3.79E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	6.02E-04
5741	ALL	487349.7	3613790	NonCancer	6.35E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.35E-04
5742	ALL	487360.6	3613769	NonCancer	7.14E-04	2.43E-06	4.49E-04	0.00E+00	0.00E+00	4.49E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	7.14E-04
5743	ALL	487371.5	3613748	NonCancer	7.79E-04	2.65E-06	4.90E-04	0.00E+00	0.00E+00	4.90E-04	2.65E-06	0.00E+00	2.65E-06	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	7.79E-04
5744	ALL	487382.4	3613728	NonCancer	8.25E-04	2.80E-06	5.19E-04	0.00E+00	0.00E+00	5.19E-04	2.80E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	8.25E-04
5745	ALL	487393.3	3613707	NonCancer	8.47E-04	2.88E-06	5.34E-04	0.00E+00	0.00E+00	5.34E-04	2.88E-06	0.00E+00	2.88E-06	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	8.47E-04
5746	ALL	487404.2	3613687	NonCancer	8.44E-04	2.87E-06	5.32E-04	0.00E+00	0.00E+00	5.32E-04	2.87E-06	0.00E+00	2.87E-06	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	8.44E-04
5747	ALL	487415.1	3613666	NonCancer	8.15E-04	2.77E-06	5.13E-04	0.00E+00	0.00E+00	5.13E-04	2.77E-06	0.00E+00	2.77E-06	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	8.15E-04
5748	ALL	487425.9	3613646	NonCancer	7.63E-04	2.60E-06	4.81E-04	0.00E+00	0.00E+00	4.81E-04	2.60E-06	0.00E+00	2.60E-06	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	7.63E-04
5749	ALL	487436.8	3613625	NonCancer	7.01E-04	2.38E-06	4.42E-04	0.00E+00	0.00E+00	4.42E-04	2.38E-06	0.00E+00	2.38E-06	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	7.01E-04
5750	ALL	487447.7	3613605	NonCancer	7.31E-04	2.48E-06	4.60E-04	0.00E+00	0.00E+00	4.60E-04	2.48E-06	0.00E+00	2.48E-06	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	7.31E-04
5751	ALL	487458.6	3613584	NonCancer	7.74E-04	2.63E-06	4.87E-04	0.00E+00	0.00E+00	4.87E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	7.74E-04
5752	ALL	487469.5	3613564	NonCancer	8.29E-04	2.82E-06	5.22E-04	0.00E+00	0.00E+00	5.22E-04	2.82E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	8.29E-04
5753	ALL	487480.4	3613543	NonCancer	8.61E-04	2.93E-06	5.42E-04	0.00E+00	0.00E+00	5.42E-04	2.93E-06	0.00E+00	2.93E-06	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	8.61E-04
5754	ALL	487491.3	3613523	NonCancer	8.66E-04	2.94E-06	5.45E-04	0.00E+00	0.00E+00	5.45E-04	2.94E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	8.66E-04
5755	ALL	487502.2	3613502	NonCancer	8.44E-04	2.87E-06	5.31E-04	0.00E+00	0.00E+00	5.31E-04	2.87E-06	0.00E+00	2.87E-06	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	8.44E-04
5756	ALL	487513	3613482	NonCancer	7.96E-04	2.71E-06	5.01E-04	0.00E+00	0.00E+00	5.01E-04	2.71E-06	0.00E+00	2.71E-06	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	7.96E-04
5757	ALL	487523.9	3613461	NonCancer	7.27E-04	2.47E-06	4.58E-04	0.00E+00	0.00E+00	4.58E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	7.27E-04
5758	ALL	487534.8	3613441	NonCancer	7.09E-04	2.41E-06	4.46E-04	0.00E+00	0.00E+00	4.46E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	7.09E-04
5759	ALL	487545.7	3613420	NonCancer	7.23E-04	2.46E-06	4.55E-04	0.00E+00	0.00E+00	4.55E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	7.23E-04
5760	ALL	487556.6	3613400	NonCancer	7.14E-04	2.43E-06	4.50E-04	0.00E+00	0.00E+00	4.50E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	7.14E-04
5761	ALL	487567.5	3613379	NonCancer	6.83E-04	2.32E-06	4.30E-04	0.00E+00	0.00E+00	4.30E-04	2.32E-06	0.00E+00	2.32E-06	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	6.83E-04
5762	ALL	487578.4	3613359	NonCancer	6.33E-04	2.15E-06	3.99E-04	0.00E+00	0.00E+00	3.99E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	6.33E-04
5763	ALL	487589.2	3613338	NonCancer	6.71E-04	2.28E-06	4.22E-04	0.00E+00	0.00E+00	4.22E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	6.71E-04
5764	ALL	487600.1	3613318	NonCancer	6.92E-04	2.35E-06	4.36E-04	0.00E+00	0.00E+00	4.36E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	6.92E-04
5765	ALL	487611	3613297	NonCancer	6.93E-04	2.35E-06	4.36E-04	0.00E+00	0.00E+00	4.36E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	6.93E-04
5766	ALL	487621.9	3613277	NonCancer	6.74E-04	2.29E-06	4.24E-04	0.00E+00	0.00E+00	4.24E-04	2.29E-06	0.00E+00	2.29E-06	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	6.74E-04
5767	ALL	487632.8	3613256	NonCancer	6.99E-04	2.38E-06	4.40E-04	0.00E+00	0.00E+00	4.40E-04	2.38E-06	0.00E+00	2.38E-06	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	6.99E-04
5768	ALL	487643.7	3613236	NonCancer	7.24E-04	2.46E-06	4.56E-04	0.00E+00	0.00E+00	4.56E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	7.24E-04
5769	ALL	487654.6	3613215	NonCancer	7.27E-04	2.47E-06	4.58E-04	0.00E+00	0.00E+00	4.58E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	7.27E-04
5770	ALL	487665.5	3613195	NonCancer	7.08E-04	2.41E-06	4.46E-04	0.00E+00	0.00E+00	4.46E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	7.08E-04
5771	ALL	487676.3	3613174	NonCancer	6.69E-04	2.27E-06	4.21E-04	0.00E+00	0.00E+00	4.21E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	6.69E-04

5772	ALL	487687.2	3613154	NonCancer	6.32E-04	2.15E-06	3.98E-04	0.00E+00	0.00E+00	3.98E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	6.32E-04
5773	ALL	487698.1	3613133	NonCancer	6.37E-04	2.16E-06	4.01E-04	0.00E+00	0.00E+00	4.01E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	6.37E-04
5774	ALL	487709	3613113	NonCancer	6.51E-04	2.21E-06	4.10E-04	0.00E+00	0.00E+00	4.10E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	6.51E-04
5775	ALL	487719.9	3613092	NonCancer	7.42E-04	2.52E-06	4.67E-04	0.00E+00	0.00E+00	4.67E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	7.42E-04
5776	ALL	487730.8	3613072	NonCancer	8.17E-04	2.78E-06	5.14E-04	0.00E+00	0.00E+00	5.14E-04	2.78E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	8.17E-04
5777	ALL	487741.7	3613051	NonCancer	8.71E-04	2.96E-06	5.48E-04	0.00E+00	0.00E+00	5.48E-04	2.96E-06	0.00E+00	2.96E-06	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	8.71E-04
5778	ALL	487752.5	3613031	NonCancer	8.97E-04	3.05E-06	5.65E-04	0.00E+00	0.00E+00	5.65E-04	3.05E-06	0.00E+00	3.05E-06	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	8.97E-04
5779	ALL	487763.4	3613010	NonCancer	8.95E-04	3.04E-06	5.63E-04	0.00E+00	0.00E+00	5.63E-04	3.04E-06	0.00E+00	3.04E-06	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	8.95E-04
5780	ALL	487774.3	3612990	NonCancer	8.64E-04	2.94E-06	5.44E-04	0.00E+00	0.00E+00	5.44E-04	2.94E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	8.64E-04
5781	ALL	487785.2	3612969	NonCancer	8.09E-04	2.75E-06	5.09E-04	0.00E+00	0.00E+00	5.09E-04	2.75E-06	0.00E+00	2.75E-06	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	8.09E-04
5782	ALL	487796.1	3612949	NonCancer	7.33E-04	2.49E-06	4.61E-04	0.00E+00	0.00E+00	4.61E-04	2.49E-06	0.00E+00	2.49E-06	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	7.33E-04
5783	ALL	487807	3612928	NonCancer	6.44E-04	2.19E-06	4.06E-04	0.00E+00	0.00E+00	4.06E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	6.44E-04
5784	ALL	487817.9	3612908	NonCancer	5.50E-04	1.87E-06	3.46E-04	0.00E+00	0.00E+00	3.46E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	5.50E-04
5785	ALL	487828.8	3612887	NonCancer	5.06E-04	1.72E-06	3.19E-04	0.00E+00	0.00E+00	3.19E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.06E-04
5786	ALL	487839.6	3612867	NonCancer	5.45E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.45E-04
5787	ALL	487850.5	3612846	NonCancer	5.73E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.73E-04
5788	ALL	487861.4	3612825	NonCancer	5.89E-04	2.00E-06	3.71E-04	0.00E+00	0.00E+00	3.71E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	5.89E-04
5789	ALL	487872.3	3612805	NonCancer	6.38E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.38E-04
5790	ALL	487883.2	3612784	NonCancer	6.76E-04	2.30E-06	4.26E-04	0.00E+00	0.00E+00	4.26E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	6.76E-04
5791	ALL	487894.1	3612764	NonCancer	6.99E-04	2.38E-06	4.40E-04	0.00E+00	0.00E+00	4.40E-04	2.38E-06	0.00E+00	2.38E-06	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	6.99E-04
5792	ALL	487926.9	3612736	NonCancer	7.86E-04	2.67E-06	4.95E-04	0.00E+00	0.00E+00	4.95E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	7.86E-04
5793	ALL	487948.9	3612728	NonCancer	8.29E-04	2.82E-06	5.22E-04	0.00E+00	0.00E+00	5.22E-04	2.82E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	8.29E-04
5794	ALL	487970.9	3612721	NonCancer	8.51E-04	2.89E-06	5.36E-04	0.00E+00	0.00E+00	5.36E-04	2.89E-06	0.00E+00	2.89E-06	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	8.51E-04
5795	ALL	487992.8	3612713	NonCancer	8.49E-04	2.89E-06	5.34E-04	0.00E+00	0.00E+00	5.34E-04	2.89E-06	0.00E+00	2.89E-06	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	8.49E-04
5796	ALL	488014.8	3612706	NonCancer	8.37E-04	2.84E-06	5.27E-04	0.00E+00	0.00E+00	5.27E-04	2.84E-06	0.00E+00	2.84E-06	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	8.37E-04
5797	ALL	488036.8	3612698	NonCancer	8.21E-04	2.79E-06	5.17E-04	0.00E+00	0.00E+00	5.17E-04	2.79E-06	0.00E+00	2.79E-06	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	8.21E-04
5798	ALL	488058.8	3612691	NonCancer	7.88E-04	2.68E-06	4.96E-04	0.00E+00	0.00E+00	4.96E-04	2.68E-06	0.00E+00	2.68E-06	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	7.88E-04
5799	ALL	488080.7	3612683	NonCancer	8.05E-04	2.74E-06	5.07E-04	0.00E+00	0.00E+00	5.07E-04	2.74E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	8.05E-04
5800	ALL	488102.7	3612676	NonCancer	8.26E-04	2.81E-06	5.20E-04	0.00E+00	0.00E+00	5.20E-04	2.81E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	8.26E-04
5801	ALL	488124.7	3612668	NonCancer	8.27E-04	2.81E-06	5.21E-04	0.00E+00	0.00E+00	5.21E-04	2.81E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	8.27E-04
5802	ALL	488146.6	3612661	NonCancer	8.36E-04	2.84E-06	5.27E-04	0.00E+00	0.00E+00	5.27E-04	2.84E-06	0.00E+00	2.84E-06	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	8.36E-04
5803	ALL	488168.6	3612653	NonCancer	8.17E-04	2.78E-06	5.14E-04	0.00E+00	0.00E+00	5.14E-04	2.78E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	8.17E-04
5804	ALL	488190.6	3612646	NonCancer	7.71E-04	2.62E-06	4.85E-04	0.00E+00	0.00E+00	4.85E-04	2.62E-06	0.00E+00	2.62E-06	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	7.71E-04
5805	ALL	488212.5	3612638	NonCancer	7.03E-04	2.39E-06	4.42E-04	0.00E+00	0.00E+00	4.42E-04	2.39E-06	0.00E+00	2.39E-06	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	7.03E-04
5806	ALL	488234.5	3612631	NonCancer	6.52E-04	2.22E-06	4.10E-04	0.00E+00	0.00E+00	4.10E-04	2.22E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	6.52E-04
5807	ALL	488256.5	3612623	NonCancer	6.30E-04	2.14E-06	3.97E-04	0.00E+00	0.00E+00	3.97E-04	2.14E-06	0.00E+00	2.14E-06	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	6.30E-04
5808	ALL	488278.4	3612616	NonCancer	6.83E-04	2.32E-06	4.30E-04	0.00E+00	0.00E+00	4.30E-04	2.32E-06	0.00E+00	2.32E-06	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	6.83E-04
5809	ALL	488300.4	3612608	NonCancer	7.20E-04	2.45E-06	4.54E-04	0.00E+00	0.00E+00	4.54E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	7.20E-04
5810	ALL	488322.4	3612601	NonCancer	7.38E-04	2.51E-06	4.65E-04	0.00E+00	0.00E+00	4.65E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	7.38E-04
5811	ALL	488344.4	3612593	NonCancer	7.35E-04	2.50E-06	4.63E-04	0.00E+00	0.00E+00	4.63E-04	2.50E-06	0.00E+00	2.50E-06	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	7.35E-04
5812	ALL	488366.3	3612585	NonCancer	7.32E-04	2.49E-06	4.61E-04	0.00E+00	0.00E+00	4.61E-04	2.49E-06	0.00E+00	2.49E-06	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	7.32E-04
5813	ALL	488388.3	3612578	NonCancer	7.13E-04	2.43E-06	4.49E-04	0.00E+00	0.00E+00	4.49E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	7.13E-04
5814	ALL	488410.3	3612570	NonCancer	6.73E-04	2.29E-06	4.24E-04	0.00E+00	0.00E+00	4.24E-04	2.29E-06	0.00E+00	2.29E-06	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	6.73E-04
5815	ALL	488432.2	3612563	NonCancer	6.14E-04	2.09E-06	3.86E-04	0.00E+00	0.00E+00	3.86E-04	2.09E-06	0.00E+00	2.09E-06	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	6.14E-04
5816	ALL	488454.2	3612555	NonCancer	6.12E-04	2.08E-06	3.85E-04	0.00E+00	0.00E+00	3.85E-04	2.08E-06	0.00E+00	2.08E-06	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	6.12E-04
5817	ALL	488476.2	3612548	NonCancer	6.80E-04	2.31E-06	4.28E-04	0.00E+00	0.00E+00	4.28E-04	2.31E-06	0.00E+00	2.31E-06	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	6.80E-04
5818	ALL	488498.1	3612540	NonCancer	7.73E-04	2.63E-06	4.86E-04	0.00E+00	0.00E+00	4.86E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	7.73E-04
5819	ALL	488520.1	3612533	NonCancer	8.49E-04	2.89E-06	5.34E-04	0.00E+00	0.00E+00	5.34E-04	2.89E-06	0.00E+00	2.89E-06	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	8.49E-04
5820	ALL	488542.1	3612525	NonCancer	9.02E-04	3.07E-06	5.68E-04	0.00E+00	0.00E+00	5.68E-04	3.07E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	9.02E-04
5821	ALL	488564.1	3612518	NonCancer	9.27E-04	3.15E-06	5.84E-04	0.00E+00	0.00E+00	5.84E-04	3.15E-06	0.00E+00	3.15E-06	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	9.27E-04
5822	ALL	488586	3612510	NonCancer	9.21E-04	3.13E-06	5.80E-04	0.00E+00	0.00E+00	5.80E-04	3.13E-06	0.00E+00	3.13E-06	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	9.21E-04
5823	ALL	488608	3612503	NonCancer	8.85E-04	3.01E-06	5.58E-04	0.00E+00	0.00E+00	5.58E-04	3.01E-06	0.00E+00	3.01E-06	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	8.85E-04

5824	ALL	488630	3612495	NonCancer	8.23E-04	2.80E-06	5.18E-04	0.00E+00	0.00E+00	5.18E-04	2.80E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	8.23E-04
5825	ALL	488651.9	3612488	NonCancer	8.55E-04	2.91E-06	5.38E-04	0.00E+00	0.00E+00	5.38E-04	2.91E-06	0.00E+00	2.91E-06	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	8.55E-04
5826	ALL	488673.9	3612480	NonCancer	8.91E-04	3.03E-06	5.61E-04	0.00E+00	0.00E+00	5.61E-04	3.03E-06	0.00E+00	3.03E-06	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	8.91E-04
5827	ALL	488695.9	3612473	NonCancer	8.99E-04	3.06E-06	5.66E-04	0.00E+00	0.00E+00	5.66E-04	3.06E-06	0.00E+00	3.06E-06	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	8.99E-04
5828	ALL	488717.8	3612465	NonCancer	8.82E-04	3.00E-06	5.55E-04	0.00E+00	0.00E+00	5.55E-04	3.00E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	8.82E-04
5829	ALL	488739.8	3612458	NonCancer	8.40E-04	2.86E-06	5.29E-04	0.00E+00	0.00E+00	5.29E-04	2.86E-06	0.00E+00	2.86E-06	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	8.40E-04
5830	ALL	488761.8	3612450	NonCancer	7.73E-04	2.63E-06	4.87E-04	0.00E+00	0.00E+00	4.87E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	7.73E-04
5831	ALL	488783.8	3612443	NonCancer	6.88E-04	2.34E-06	4.33E-04	0.00E+00	0.00E+00	4.33E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	6.88E-04
5832	ALL	488805.7	3612435	NonCancer	5.93E-04	2.02E-06	3.73E-04	0.00E+00	0.00E+00	3.73E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	5.93E-04
5833	ALL	488827.7	3612428	NonCancer	6.60E-04	2.25E-06	4.16E-04	0.00E+00	0.00E+00	4.16E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	6.60E-04
5834	ALL	488849.7	3612420	NonCancer	7.19E-04	2.45E-06	4.53E-04	0.00E+00	0.00E+00	4.53E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	7.19E-04
5835	ALL	488871.6	3612413	NonCancer	7.61E-04	2.59E-06	4.79E-04	0.00E+00	0.00E+00	4.79E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	7.61E-04
5836	ALL	488893.6	3612405	NonCancer	7.83E-04	2.66E-06	4.93E-04	0.00E+00	0.00E+00	4.93E-04	2.66E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	7.83E-04
5837	ALL	488915.6	3612397	NonCancer	7.83E-04	2.66E-06	4.93E-04	0.00E+00	0.00E+00	4.93E-04	2.66E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	7.83E-04
5838	ALL	488937.5	3612390	NonCancer	7.90E-04	2.69E-06	4.97E-04	0.00E+00	0.00E+00	4.97E-04	2.69E-06	0.00E+00	2.69E-06	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	7.90E-04
5839	ALL	488959.5	3612382	NonCancer	7.77E-04	2.64E-06	4.89E-04	0.00E+00	0.00E+00	4.89E-04	2.64E-06	0.00E+00	2.64E-06	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	7.77E-04
5840	ALL	488981.5	3612375	NonCancer	7.43E-04	2.53E-06	4.68E-04	0.00E+00	0.00E+00	4.68E-04	2.53E-06	0.00E+00	2.53E-06	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	7.43E-04
5841	ALL	489003.5	3612367	NonCancer	6.91E-04	2.35E-06	4.35E-04	0.00E+00	0.00E+00	4.35E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	6.91E-04
5842	ALL	489025.4	3612360	NonCancer	6.26E-04	2.13E-06	3.94E-04	0.00E+00	0.00E+00	3.94E-04	2.13E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	6.26E-04
5843	ALL	489047.4	3612352	NonCancer	5.52E-04	1.88E-06	3.48E-04	0.00E+00	0.00E+00	3.48E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	5.52E-04
5844	ALL	489069.4	3612345	NonCancer	5.36E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.36E-04
5845	ALL	489091.3	3612337	NonCancer	5.79E-04	1.97E-06	3.64E-04	0.00E+00	0.00E+00	3.64E-04	1.97E-06	0.00E+00	1.97E-06	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	5.79E-04
5846	ALL	489113.3	3612330	NonCancer	6.22E-04	2.12E-06	3.92E-04	0.00E+00	0.00E+00	3.92E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	6.22E-04
5847	ALL	489135.3	3612322	NonCancer	6.49E-04	2.21E-06	4.09E-04	0.00E+00	0.00E+00	4.09E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	6.49E-04
5848	ALL	487284.4	3613913	NonCancer	5.51E-04	1.87E-06	3.47E-04	0.00E+00	0.00E+00	3.47E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	5.51E-04
5849	ALL	487281.8	3613936	NonCancer	5.79E-04	1.97E-06	3.65E-04	0.00E+00	0.00E+00	3.65E-04	1.97E-06	0.00E+00	1.97E-06	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	5.79E-04
5850	ALL	487279.2	3613959	NonCancer	6.00E-04	2.04E-06	3.78E-04	0.00E+00	0.00E+00	3.78E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	6.00E-04
5851	ALL	487276.7	3613982	NonCancer	6.05E-04	2.06E-06	3.81E-04	0.00E+00	0.00E+00	3.81E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	6.05E-04
5852	ALL	487274.1	3614005	NonCancer	5.94E-04	2.02E-06	3.74E-04	0.00E+00	0.00E+00	3.74E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	5.94E-04
5853	ALL	487271.5	3614028	NonCancer	5.69E-04	1.93E-06	3.58E-04	0.00E+00	0.00E+00	3.58E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	5.69E-04
5854	ALL	487268.9	3614051	NonCancer	5.34E-04	1.82E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.34E-04
5855	ALL	487266.3	3614074	NonCancer	6.29E-04	2.14E-06	3.96E-04	0.00E+00	0.00E+00	3.96E-04	2.14E-06	0.00E+00	2.14E-06	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	6.29E-04
5856	ALL	487263.7	3614098	NonCancer	7.16E-04	2.43E-06	4.51E-04	0.00E+00	0.00E+00	4.51E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	7.16E-04
5857	ALL	486897.7	3613848	NonCancer	4.17E-04	1.42E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.17E-04
5858	ALL	486908.6	3613827	NonCancer	4.42E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.42E-04
5859	ALL	486919.4	3613807	NonCancer	4.63E-04	1.57E-06	2.92E-04	0.00E+00	0.00E+00	2.92E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	4.63E-04
5860	ALL	486930.2	3613786	NonCancer	4.77E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.77E-04
5861	ALL	486941.1	3613766	NonCancer	4.82E-04	1.64E-06	3.03E-04	0.00E+00	0.00E+00	3.03E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	4.82E-04
5862	ALL	486951.9	3613746	NonCancer	4.77E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.77E-04
5863	ALL	486962.7	3613725	NonCancer	4.64E-04	1.58E-06	2.92E-04	0.00E+00	0.00E+00	2.92E-04	1.58E-06	0.00E+00	1.58E-06	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	4.64E-04
5864	ALL	486973.6	3613705	NonCancer	4.50E-04	1.53E-06	2.84E-04	0.00E+00	0.00E+00	2.84E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	4.50E-04
5865	ALL	486984.4	3613684	NonCancer	5.07E-04	1.72E-06	3.19E-04	0.00E+00	0.00E+00	3.19E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.07E-04
5866	ALL	486995.3	3613664	NonCancer	5.58E-04	1.90E-06	3.51E-04	0.00E+00	0.00E+00	3.51E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	5.58E-04
5867	ALL	487006.1	3613644	NonCancer	6.01E-04	2.04E-06	3.78E-04	0.00E+00	0.00E+00	3.78E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	6.01E-04
5868	ALL	487016.9	3613623	NonCancer	6.32E-04	2.15E-06	3.98E-04	0.00E+00	0.00E+00	3.98E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	6.32E-04
5869	ALL	487027.8	3613603	NonCancer	6.50E-04	2.21E-06	4.09E-04	0.00E+00	0.00E+00	4.09E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	6.50E-04
5870	ALL	487038.6	3613582	NonCancer	6.53E-04	2.22E-06	4.11E-04	0.00E+00	0.00E+00	4.11E-04	2.22E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	6.53E-04
5871	ALL	487049.4	3613562	NonCancer	6.41E-04	2.18E-06	4.03E-04	0.00E+00	0.00E+00	4.03E-04	2.18E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	6.41E-04
5872	ALL	487060.3	3613541	NonCancer	6.14E-04	2.09E-06	3.86E-04	0.00E+00	0.00E+00	3.86E-04	2.09E-06	0.00E+00	2.09E-06	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	6.14E-04
5873	ALL	487071.1	3613521	NonCancer	5.74E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.74E-04
5874	ALL	487081.9	3613501	NonCancer	5.34E-04	1.81E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.34E-04
5875	ALL	487092.8	3613480	NonCancer	5.57E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.57E-04

5876	ALL	487103.6	3613460	NonCancer	5.68E-04	1.93E-06	3.58E-04	0.00E+00	0.00E+00	3.58E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	5.68E-04
5877	ALL	487114.4	3613439	NonCancer	6.10E-04	2.07E-06	3.84E-04	0.00E+00	0.00E+00	3.84E-04	2.07E-06	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	6.10E-04
5878	ALL	487125.3	3613419	NonCancer	6.44E-04	2.19E-06	4.05E-04	0.00E+00	0.00E+00	4.05E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	6.44E-04
5879	ALL	487136.1	3613399	NonCancer	6.63E-04	2.26E-06	4.18E-04	0.00E+00	0.00E+00	4.18E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	6.63E-04
5880	ALL	487146.9	3613378	NonCancer	6.67E-04	2.27E-06	4.20E-04	0.00E+00	0.00E+00	4.20E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	6.67E-04
5881	ALL	487157.8	3613358	NonCancer	6.55E-04	2.23E-06	4.12E-04	0.00E+00	0.00E+00	4.12E-04	2.23E-06	0.00E+00	2.23E-06	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	6.55E-04
5882	ALL	487168.6	3613337	NonCancer	6.27E-04	2.13E-06	3.95E-04	0.00E+00	0.00E+00	3.95E-04	2.13E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	6.27E-04
5883	ALL	487179.4	3613317	NonCancer	5.86E-04	1.99E-06	3.69E-04	0.00E+00	0.00E+00	3.69E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	5.86E-04
5884	ALL	487190.3	3613297	NonCancer	5.35E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.35E-04
5885	ALL	487201.1	3613276	NonCancer	5.46E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.46E-04
5886	ALL	487211.9	3613256	NonCancer	5.57E-04	1.89E-06	3.51E-04	0.00E+00	0.00E+00	3.51E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	5.57E-04
5887	ALL	487222.8	3613235	NonCancer	5.54E-04	1.88E-06	3.49E-04	0.00E+00	0.00E+00	3.49E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	5.54E-04
5888	ALL	487233.6	3613215	NonCancer	5.39E-04	1.83E-06	3.39E-04	0.00E+00	0.00E+00	3.39E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	5.39E-04
5889	ALL	487244.5	3613194	NonCancer	5.11E-04	1.74E-06	3.22E-04	0.00E+00	0.00E+00	3.22E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.11E-04
5890	ALL	487255.3	3613174	NonCancer	4.87E-04	1.66E-06	3.07E-04	0.00E+00	0.00E+00	3.07E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	4.87E-04
5891	ALL	487266.1	3613154	NonCancer	5.14E-04	1.75E-06	3.24E-04	0.00E+00	0.00E+00	3.24E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	5.14E-04
5892	ALL	487277	3613133	NonCancer	5.31E-04	1.80E-06	3.34E-04	0.00E+00	0.00E+00	3.34E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	5.31E-04
5893	ALL	487287.8	3613113	NonCancer	5.36E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.36E-04
5894	ALL	487298.6	3613092	NonCancer	5.28E-04	1.80E-06	3.33E-04	0.00E+00	0.00E+00	3.33E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	5.28E-04
5895	ALL	487309.5	3613072	NonCancer	5.10E-04	1.73E-06	3.21E-04	0.00E+00	0.00E+00	3.21E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	5.10E-04
5896	ALL	487320.3	3613052	NonCancer	5.39E-04	1.83E-06	3.39E-04	0.00E+00	0.00E+00	3.39E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	5.39E-04
5897	ALL	487331.1	3613031	NonCancer	5.56E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.56E-04
5898	ALL	487342	3613011	NonCancer	5.61E-04	1.91E-06	3.53E-04	0.00E+00	0.00E+00	3.53E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	5.61E-04
5899	ALL	487352.8	3612990	NonCancer	5.53E-04	1.88E-06	3.48E-04	0.00E+00	0.00E+00	3.48E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	5.53E-04
5900	ALL	487363.6	3612970	NonCancer	5.32E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.32E-04
5901	ALL	487374.5	3612949	NonCancer	5.01E-04	1.70E-06	3.15E-04	0.00E+00	0.00E+00	3.15E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	5.01E-04
5902	ALL	487385.3	3612929	NonCancer	4.87E-04	1.66E-06	3.07E-04	0.00E+00	0.00E+00	3.07E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	4.87E-04
5903	ALL	487396.1	3612909	NonCancer	4.91E-04	1.67E-06	3.09E-04	0.00E+00	0.00E+00	3.09E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	4.91E-04
5904	ALL	487407	3612888	NonCancer	4.85E-04	1.65E-06	3.05E-04	0.00E+00	0.00E+00	3.05E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	4.85E-04
5905	ALL	487417.8	3612868	NonCancer	5.24E-04	1.78E-06	3.30E-04	0.00E+00	0.00E+00	3.30E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	5.24E-04
5906	ALL	487428.6	3612847	NonCancer	5.83E-04	1.98E-06	3.67E-04	0.00E+00	0.00E+00	3.67E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	5.83E-04
5907	ALL	487439.5	3612827	NonCancer	6.32E-04	2.15E-06	3.98E-04	0.00E+00	0.00E+00	3.98E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	6.32E-04
5908	ALL	487450.3	3612807	NonCancer	6.68E-04	2.27E-06	4.21E-04	0.00E+00	0.00E+00	4.21E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	6.68E-04
5909	ALL	487461.1	3612786	NonCancer	6.88E-04	2.34E-06	4.33E-04	0.00E+00	0.00E+00	4.33E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	6.88E-04
5910	ALL	487472	3612766	NonCancer	6.92E-04	2.35E-06	4.36E-04	0.00E+00	0.00E+00	4.36E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	6.92E-04
5911	ALL	487482.8	3612745	NonCancer	6.79E-04	2.31E-06	4.27E-04	0.00E+00	0.00E+00	4.27E-04	2.31E-06	0.00E+00	2.31E-06	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	6.79E-04
5912	ALL	487493.7	3612725	NonCancer	6.49E-04	2.21E-06	4.09E-04	0.00E+00	0.00E+00	4.09E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	6.49E-04
5913	ALL	487504.5	3612705	NonCancer	6.07E-04	2.06E-06	3.82E-04	0.00E+00	0.00E+00	3.82E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	6.07E-04
5914	ALL	487515.3	3612684	NonCancer	5.53E-04	1.88E-06	3.48E-04	0.00E+00	0.00E+00	3.48E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	5.53E-04
5915	ALL	487526.2	3612664	NonCancer	4.93E-04	1.68E-06	3.10E-04	0.00E+00	0.00E+00	3.10E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	4.93E-04
5916	ALL	487537	3612643	NonCancer	4.29E-04	1.46E-06	2.70E-04	0.00E+00	0.00E+00	2.70E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	4.29E-04
5917	ALL	487547.8	3612623	NonCancer	3.65E-04	1.24E-06	2.30E-04	0.00E+00	0.00E+00	2.30E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	3.65E-04
5918	ALL	487558.7	3612602	NonCancer	3.90E-04	1.33E-06	2.45E-04	0.00E+00	0.00E+00	2.45E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	3.90E-04
5919	ALL	487569.5	3612582	NonCancer	4.16E-04	1.41E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.16E-04
5920	ALL	487580.3	3612562	NonCancer	4.35E-04	1.48E-06	2.74E-04	0.00E+00	0.00E+00	2.74E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	4.35E-04
5921	ALL	487591.2	3612541	NonCancer	4.48E-04	1.52E-06	2.82E-04	0.00E+00	0.00E+00	2.82E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	4.48E-04
5922	ALL	487602	3612521	NonCancer	4.67E-04	1.59E-06	2.94E-04	0.00E+00	0.00E+00	2.94E-04	1.59E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	4.67E-04
5923	ALL	487612.8	3612500	NonCancer	4.99E-04	1.70E-06	3.14E-04	0.00E+00	0.00E+00	3.14E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	4.99E-04
5924	ALL	487623.7	3612480	NonCancer	5.23E-04	1.78E-06	3.29E-04	0.00E+00	0.00E+00	3.29E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	5.23E-04
5925	ALL	487634.5	3612460	NonCancer	5.37E-04	1.83E-06	3.38E-04	0.00E+00	0.00E+00	3.38E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	5.37E-04
5926	ALL	487667.2	3612432	NonCancer	5.87E-04	1.99E-06	3.69E-04	0.00E+00	0.00E+00	3.69E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	5.87E-04
5927	ALL	487689.1	3612424	NonCancer	6.23E-04	2.12E-06	3.92E-04	0.00E+00	0.00E+00	3.92E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	6.23E-04

5928	ALL	487710.9	3612417	NonCancer	6.47E-04	2.20E-06	4.07E-04	0.00E+00	0.00E+00	4.07E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	6.47E-04
5929	ALL	487732.8	3612409	NonCancer	6.57E-04	2.23E-06	4.14E-04	0.00E+00	0.00E+00	4.14E-04	2.23E-06	0.00E+00	2.23E-06	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	6.57E-04
5930	ALL	487754.7	3612402	NonCancer	6.53E-04	2.22E-06	4.11E-04	0.00E+00	0.00E+00	4.11E-04	2.22E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	6.53E-04
5931	ALL	487776.5	3612394	NonCancer	6.46E-04	2.20E-06	4.07E-04	0.00E+00	0.00E+00	4.07E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	6.46E-04
5932	ALL	487798.4	3612387	NonCancer	6.39E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.39E-04
5933	ALL	487820.3	3612379	NonCancer	6.17E-04	2.10E-06	3.88E-04	0.00E+00	0.00E+00	3.88E-04	2.10E-06	0.00E+00	2.10E-06	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	6.17E-04
5934	ALL	487842.1	3612372	NonCancer	6.02E-04	2.05E-06	3.79E-04	0.00E+00	0.00E+00	3.79E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	6.02E-04
5935	ALL	487864	3612364	NonCancer	6.22E-04	2.11E-06	3.92E-04	0.00E+00	0.00E+00	3.92E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	6.22E-04
5936	ALL	487885.9	3612357	NonCancer	6.35E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.35E-04
5937	ALL	487907.7	3612349	NonCancer	6.34E-04	2.16E-06	3.99E-04	0.00E+00	0.00E+00	3.99E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	6.34E-04
5938	ALL	487929.6	3612342	NonCancer	6.45E-04	2.19E-06	4.06E-04	0.00E+00	0.00E+00	4.06E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	6.45E-04
5939	ALL	487951.5	3612334	NonCancer	6.40E-04	2.18E-06	4.03E-04	0.00E+00	0.00E+00	4.03E-04	2.18E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	6.40E-04
5940	ALL	487973.3	3612327	NonCancer	6.18E-04	2.10E-06	3.89E-04	0.00E+00	0.00E+00	3.89E-04	2.10E-06	0.00E+00	2.10E-06	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	6.18E-04
5941	ALL	487995.2	3612319	NonCancer	5.82E-04	1.98E-06	3.66E-04	0.00E+00	0.00E+00	3.66E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	5.82E-04
5942	ALL	488017.1	3612312	NonCancer	5.33E-04	1.81E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.33E-04
5943	ALL	488038.9	3612304	NonCancer	5.05E-04	1.72E-06	3.18E-04	0.00E+00	0.00E+00	3.18E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	5.05E-04
5944	ALL	488060.8	3612297	NonCancer	4.86E-04	1.65E-06	3.06E-04	0.00E+00	0.00E+00	3.06E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	4.86E-04
5945	ALL	488082.6	3612289	NonCancer	4.97E-04	1.69E-06	3.13E-04	0.00E+00	0.00E+00	3.13E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	4.97E-04
5946	ALL	488104.5	3612282	NonCancer	5.31E-04	1.80E-06	3.34E-04	0.00E+00	0.00E+00	3.34E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	5.31E-04
5947	ALL	488126.4	3612274	NonCancer	5.55E-04	1.89E-06	3.49E-04	0.00E+00	0.00E+00	3.49E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	5.55E-04
5948	ALL	488148.2	3612267	NonCancer	5.67E-04	1.93E-06	3.57E-04	0.00E+00	0.00E+00	3.57E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	5.67E-04
5949	ALL	488170.1	3612259	NonCancer	5.67E-04	1.93E-06	3.57E-04	0.00E+00	0.00E+00	3.57E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	5.67E-04
5950	ALL	488192	3612252	NonCancer	5.66E-04	1.92E-06	3.56E-04	0.00E+00	0.00E+00	3.56E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	5.66E-04
5951	ALL	488213.8	3612245	NonCancer	5.61E-04	1.91E-06	3.53E-04	0.00E+00	0.00E+00	3.53E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	5.61E-04
5952	ALL	488235.7	3612237	NonCancer	5.43E-04	1.85E-06	3.42E-04	0.00E+00	0.00E+00	3.42E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	5.43E-04
5953	ALL	488257.6	3612230	NonCancer	5.12E-04	1.74E-06	3.22E-04	0.00E+00	0.00E+00	3.22E-04	1.74E-06	0.00E+00	1.74E-06	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.12E-04
5954	ALL	488279.4	3612222	NonCancer	4.71E-04	1.60E-06	2.97E-04	0.00E+00	0.00E+00	2.97E-04	1.60E-06	0.00E+00	1.60E-06	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	4.71E-04
5955	ALL	488301.3	3612215	NonCancer	4.63E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.63E-04
5956	ALL	488323.2	3612207	NonCancer	4.76E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.76E-04
5957	ALL	488345	3612200	NonCancer	5.33E-04	1.81E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.33E-04
5958	ALL	488366.9	3612192	NonCancer	5.95E-04	2.02E-06	3.75E-04	0.00E+00	0.00E+00	3.75E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	5.95E-04
5959	ALL	488388.8	3612185	NonCancer	6.47E-04	2.20E-06	4.08E-04	0.00E+00	0.00E+00	4.08E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	6.47E-04
5960	ALL	488410.6	3612177	NonCancer	6.87E-04	2.34E-06	4.32E-04	0.00E+00	0.00E+00	4.32E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	6.87E-04
5961	ALL	488432.5	3612170	NonCancer	7.10E-04	2.41E-06	4.47E-04	0.00E+00	0.00E+00	4.47E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	7.10E-04
5962	ALL	488454.4	3612162	NonCancer	7.16E-04	2.43E-06	4.50E-04	0.00E+00	0.00E+00	4.50E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	7.16E-04
5963	ALL	488476.2	3612155	NonCancer	7.03E-04	2.39E-06	4.42E-04	0.00E+00	0.00E+00	4.42E-04	2.39E-06	0.00E+00	2.39E-06	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	7.03E-04
5964	ALL	488498.1	3612147	NonCancer	6.73E-04	2.29E-06	4.24E-04	0.00E+00	0.00E+00	4.24E-04	2.29E-06	0.00E+00	2.29E-06	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	6.73E-04
5965	ALL	488520	3612140	NonCancer	6.28E-04	2.13E-06	3.95E-04	0.00E+00	0.00E+00	3.95E-04	2.13E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	6.28E-04
5966	ALL	488541.8	3612132	NonCancer	6.45E-04	2.19E-06	4.06E-04	0.00E+00	0.00E+00	4.06E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	6.45E-04
5967	ALL	488563.7	3612125	NonCancer	6.76E-04	2.30E-06	4.26E-04	0.00E+00	0.00E+00	4.26E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	6.76E-04
5968	ALL	488585.5	3612117	NonCancer	6.92E-04	2.35E-06	4.35E-04	0.00E+00	0.00E+00	4.35E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	6.92E-04
5969	ALL	488607.4	3612110	NonCancer	6.90E-04	2.35E-06	4.34E-04	0.00E+00	0.00E+00	4.34E-04	2.35E-06	0.00E+00	2.35E-06	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	6.90E-04
5970	ALL	488629.3	3612102	NonCancer	6.72E-04	2.28E-06	4.23E-04	0.00E+00	0.00E+00	4.23E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	6.72E-04
5971	ALL	488651.1	3612095	NonCancer	6.38E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.38E-04
5972	ALL	488673	3612087	NonCancer	5.92E-04	2.01E-06	3.73E-04	0.00E+00	0.00E+00	3.73E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	5.92E-04
5973	ALL	488694.9	3612080	NonCancer	5.36E-04	1.82E-06	3.38E-04	0.00E+00	0.00E+00	3.38E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	5.36E-04
5974	ALL	488716.7	3612072	NonCancer	4.74E-04	1.61E-06	2.99E-04	0.00E+00	0.00E+00	2.99E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	4.74E-04
5975	ALL	488738.6	3612065	NonCancer	4.45E-04	1.51E-06	2.80E-04	0.00E+00	0.00E+00	2.80E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	4.45E-04
5976	ALL	488760.5	3612057	NonCancer	4.92E-04	1.67E-06	3.10E-04	0.00E+00	0.00E+00	3.10E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	4.92E-04
5977	ALL	488782.3	3612050	NonCancer	5.32E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.32E-04
5978	ALL	488804.2	3612042	NonCancer	5.64E-04	1.92E-06	3.55E-04	0.00E+00	0.00E+00	3.55E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	5.64E-04
5979	ALL	488826.1	3612035	NonCancer	5.85E-04	1.99E-06	3.68E-04	0.00E+00	0.00E+00	3.68E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	5.85E-04

5980	ALL	488847.9	3612027	NonCancer	5.94E-04	2.02E-06	3.74E-04	0.00E+00	0.00E+00	3.74E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	5.94E-04
5981	ALL	488869.8	3612020	NonCancer	5.95E-04	2.02E-06	3.75E-04	0.00E+00	0.00E+00	3.75E-04	2.02E-06	0.00E+00	2.02E-06	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	5.95E-04
5982	ALL	488891.7	3612012	NonCancer	6.00E-04	2.04E-06	3.78E-04	0.00E+00	0.00E+00	3.78E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	6.00E-04
5983	ALL	488913.5	3612005	NonCancer	5.92E-04	2.01E-06	3.73E-04	0.00E+00	0.00E+00	3.73E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	5.92E-04
5984	ALL	488935.4	3611998	NonCancer	5.72E-04	1.95E-06	3.60E-04	0.00E+00	0.00E+00	3.60E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	5.72E-04
5985	ALL	488957.3	3611990	NonCancer	5.41E-04	1.84E-06	3.41E-04	0.00E+00	0.00E+00	3.41E-04	1.84E-06	0.00E+00	1.84E-06	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	5.41E-04
5986	ALL	488979.1	3611983	NonCancer	5.01E-04	1.70E-06	3.16E-04	0.00E+00	0.00E+00	3.16E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	5.01E-04
5987	ALL	489001	3611975	NonCancer	4.55E-04	1.55E-06	2.87E-04	0.00E+00	0.00E+00	2.87E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	4.55E-04
5988	ALL	489022.9	3611968	NonCancer	4.05E-04	1.38E-06	2.55E-04	0.00E+00	0.00E+00	2.55E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	4.05E-04
5989	ALL	489044.7	3611960	NonCancer	4.09E-04	1.39E-06	2.57E-04	0.00E+00	0.00E+00	2.57E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	4.09E-04
5990	ALL	489066.6	3611953	NonCancer	4.21E-04	1.43E-06	2.65E-04	0.00E+00	0.00E+00	2.65E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	4.21E-04
5991	ALL	489088.4	3611945	NonCancer	4.55E-04	1.55E-06	2.87E-04	0.00E+00	0.00E+00	2.87E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	4.55E-04
5992	ALL	489110.3	3611938	NonCancer	4.82E-04	1.64E-06	3.04E-04	0.00E+00	0.00E+00	3.04E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	4.82E-04
5993	ALL	489132.2	3611930	NonCancer	5.01E-04	1.70E-06	3.15E-04	0.00E+00	0.00E+00	3.15E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	5.01E-04
5994	ALL	489154	3611923	NonCancer	5.09E-04	1.73E-06	3.21E-04	0.00E+00	0.00E+00	3.21E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	5.09E-04
5995	ALL	486886.9	3613868	NonCancer	4.37E-04	1.49E-06	2.75E-04	0.00E+00	0.00E+00	2.75E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	4.37E-04
5996	ALL	486884.3	3613891	NonCancer	4.54E-04	1.54E-06	2.86E-04	0.00E+00	0.00E+00	2.86E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	4.54E-04
5997	ALL	486881.7	3613914	NonCancer	4.62E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.62E-04
5998	ALL	486879.1	3613937	NonCancer	4.60E-04	1.56E-06	2.90E-04	0.00E+00	0.00E+00	2.90E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	4.60E-04
5999	ALL	486876.6	3613961	NonCancer	4.49E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.49E-04
6000	ALL	486874	3613984	NonCancer	4.30E-04	1.46E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.30E-04
6001	ALL	486871.4	3614007	NonCancer	4.04E-04	1.37E-06	2.54E-04	0.00E+00	0.00E+00	2.54E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	4.04E-04
6002	ALL	486868.8	3614030	NonCancer	4.38E-04	1.49E-06	2.76E-04	0.00E+00	0.00E+00	2.76E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	4.38E-04
6003	ALL	486866.2	3614053	NonCancer	5.00E-04	1.70E-06	3.15E-04	0.00E+00	0.00E+00	3.15E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	5.00E-04
6004	ALL	486500.2	3613803	NonCancer	3.48E-04	1.18E-06	2.19E-04	0.00E+00	0.00E+00	2.19E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	3.48E-04
6005	ALL	486511	3613783	NonCancer	3.33E-04	1.13E-06	2.09E-04	0.00E+00	0.00E+00	2.09E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.33E-04
6006	ALL	486521.8	3613763	NonCancer	3.46E-04	1.18E-06	2.18E-04	0.00E+00	0.00E+00	2.18E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	3.46E-04
6007	ALL	486532.6	3613742	NonCancer	3.64E-04	1.24E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.64E-04
6008	ALL	486543.4	3613722	NonCancer	3.77E-04	1.28E-06	2.37E-04	0.00E+00	0.00E+00	2.37E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	3.77E-04
6009	ALL	486554.2	3613702	NonCancer	3.84E-04	1.31E-06	2.42E-04	0.00E+00	0.00E+00	2.42E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	3.84E-04
6010	ALL	486565	3613681	NonCancer	3.86E-04	1.31E-06	2.43E-04	0.00E+00	0.00E+00	2.43E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	3.86E-04
6011	ALL	486575.8	3613661	NonCancer	3.82E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.82E-04
6012	ALL	486586.6	3613640	NonCancer	3.73E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.73E-04
6013	ALL	486597.4	3613620	NonCancer	3.58E-04	1.22E-06	2.25E-04	0.00E+00	0.00E+00	2.25E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	3.58E-04
6014	ALL	486608.2	3613600	NonCancer	3.77E-04	1.28E-06	2.37E-04	0.00E+00	0.00E+00	2.37E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	3.77E-04
6015	ALL	486619	3613579	NonCancer	4.17E-04	1.42E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.17E-04
6016	ALL	486629.8	3613559	NonCancer	4.53E-04	1.54E-06	2.85E-04	0.00E+00	0.00E+00	2.85E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	4.53E-04
6017	ALL	486640.6	3613539	NonCancer	4.83E-04	1.64E-06	3.04E-04	0.00E+00	0.00E+00	3.04E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	4.83E-04
6018	ALL	486651.4	3613518	NonCancer	5.06E-04	1.72E-06	3.19E-04	0.00E+00	0.00E+00	3.19E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.06E-04
6019	ALL	486662.2	3613498	NonCancer	5.20E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.20E-04
6020	ALL	486673	3613478	NonCancer	5.25E-04	1.79E-06	3.31E-04	0.00E+00	0.00E+00	3.31E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	5.25E-04
6021	ALL	486683.8	3613457	NonCancer	5.20E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.20E-04
6022	ALL	486694.6	3613437	NonCancer	5.06E-04	1.72E-06	3.18E-04	0.00E+00	0.00E+00	3.18E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	5.06E-04
6023	ALL	486705.4	3613417	NonCancer	4.82E-04	1.64E-06	3.04E-04	0.00E+00	0.00E+00	3.04E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	4.82E-04
6024	ALL	486716.2	3613396	NonCancer	4.51E-04	1.53E-06	2.84E-04	0.00E+00	0.00E+00	2.84E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	4.51E-04
6025	ALL	486727	3613376	NonCancer	4.24E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.24E-04
6026	ALL	486737.8	3613356	NonCancer	4.41E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.41E-04
6027	ALL	486748.6	3613335	NonCancer	4.52E-04	1.54E-06	2.85E-04	0.00E+00	0.00E+00	2.85E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	4.52E-04
6028	ALL	486759.4	3613315	NonCancer	4.65E-04	1.58E-06	2.93E-04	0.00E+00	0.00E+00	2.93E-04	1.58E-06	0.00E+00	1.58E-06	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	4.65E-04
6029	ALL	486770.2	3613295	NonCancer	4.95E-04	1.68E-06	3.12E-04	0.00E+00	0.00E+00	3.12E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	4.95E-04
6030	ALL	486781	3613274	NonCancer	5.18E-04	1.76E-06	3.26E-04	0.00E+00	0.00E+00	3.26E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	5.18E-04
6031	ALL	486791.8	3613254	NonCancer	5.31E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.31E-04

6032	ALL	486802.6	3613234	NonCancer	5.34E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.34E-04
6033	ALL	486813.4	3613213	NonCancer	5.27E-04	1.79E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.27E-04
6034	ALL	486824.2	3613193	NonCancer	5.10E-04	1.73E-06	3.21E-04	0.00E+00	0.00E+00	3.21E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	5.10E-04
6035	ALL	486835	3613173	NonCancer	4.84E-04	1.65E-06	3.05E-04	0.00E+00	0.00E+00	3.05E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	4.84E-04
6036	ALL	486845.8	3613152	NonCancer	4.50E-04	1.53E-06	2.84E-04	0.00E+00	0.00E+00	2.84E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	4.50E-04
6037	ALL	486856.6	3613132	NonCancer	4.20E-04	1.43E-06	2.64E-04	0.00E+00	0.00E+00	2.64E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.20E-04
6038	ALL	486867.4	3613111	NonCancer	4.37E-04	1.48E-06	2.75E-04	0.00E+00	0.00E+00	2.75E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	4.37E-04
6039	ALL	486878.2	3613091	NonCancer	4.46E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.46E-04
6040	ALL	486889	3613071	NonCancer	4.46E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.46E-04
6041	ALL	486899.8	3613050	NonCancer	4.38E-04	1.49E-06	2.76E-04	0.00E+00	0.00E+00	2.76E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	4.38E-04
6042	ALL	486910.6	3613030	NonCancer	4.21E-04	1.43E-06	2.65E-04	0.00E+00	0.00E+00	2.65E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	4.21E-04
6043	ALL	486921.4	3613010	NonCancer	3.98E-04	1.35E-06	2.51E-04	0.00E+00	0.00E+00	2.51E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	3.98E-04
6044	ALL	486932.2	3612989	NonCancer	3.90E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.90E-04
6045	ALL	486943	3612969	NonCancer	4.10E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.10E-04
6046	ALL	486953.8	3612949	NonCancer	4.23E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.23E-04
6047	ALL	486964.6	3612928	NonCancer	4.29E-04	1.46E-06	2.70E-04	0.00E+00	0.00E+00	2.70E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	4.29E-04
6048	ALL	486975.4	3612908	NonCancer	4.27E-04	1.45E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.27E-04
6049	ALL	486986.1	3612888	NonCancer	4.18E-04	1.42E-06	2.63E-04	0.00E+00	0.00E+00	2.63E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	4.18E-04
6050	ALL	486996.9	3612867	NonCancer	4.11E-04	1.40E-06	2.59E-04	0.00E+00	0.00E+00	2.59E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	4.11E-04
6051	ALL	487007.7	3612847	NonCancer	4.32E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.32E-04
6052	ALL	487018.5	3612827	NonCancer	4.45E-04	1.51E-06	2.80E-04	0.00E+00	0.00E+00	2.80E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	4.45E-04
6053	ALL	487029.3	3612806	NonCancer	4.50E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.50E-04
6054	ALL	487040.1	3612786	NonCancer	4.46E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.46E-04
6055	ALL	487050.9	3612766	NonCancer	4.35E-04	1.48E-06	2.74E-04	0.00E+00	0.00E+00	2.74E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	4.35E-04
6056	ALL	487061.7	3612745	NonCancer	4.16E-04	1.41E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.16E-04
6057	ALL	487072.5	3612725	NonCancer	3.90E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.90E-04
6058	ALL	487083.3	3612705	NonCancer	3.91E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.91E-04
6059	ALL	487094.1	3612684	NonCancer	3.94E-04	1.34E-06	2.48E-04	0.00E+00	0.00E+00	2.48E-04	1.34E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	3.94E-04
6060	ALL	487104.9	3612664	NonCancer	3.90E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.90E-04
6061	ALL	487115.7	3612644	NonCancer	3.87E-04	1.31E-06	2.43E-04	0.00E+00	0.00E+00	2.43E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	3.87E-04
6062	ALL	487126.5	3612623	NonCancer	4.32E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.32E-04
6063	ALL	487137.3	3612603	NonCancer	4.73E-04	1.61E-06	2.98E-04	0.00E+00	0.00E+00	2.98E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	4.73E-04
6064	ALL	487148.1	3612582	NonCancer	5.07E-04	1.72E-06	3.19E-04	0.00E+00	0.00E+00	3.19E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.07E-04
6065	ALL	487158.9	3612562	NonCancer	5.33E-04	1.81E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.33E-04
6066	ALL	487169.7	3612542	NonCancer	5.50E-04	1.87E-06	3.46E-04	0.00E+00	0.00E+00	3.46E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	5.50E-04
6067	ALL	487180.5	3612521	NonCancer	5.55E-04	1.89E-06	3.49E-04	0.00E+00	0.00E+00	3.49E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	5.55E-04
6068	ALL	487191.3	3612501	NonCancer	5.50E-04	1.87E-06	3.46E-04	0.00E+00	0.00E+00	3.46E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	5.50E-04
6069	ALL	487202.1	3612481	NonCancer	5.34E-04	1.81E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.34E-04
6070	ALL	487212.9	3612460	NonCancer	5.08E-04	1.73E-06	3.20E-04	0.00E+00	0.00E+00	3.20E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	5.08E-04
6071	ALL	487223.7	3612440	NonCancer	4.75E-04	1.61E-06	2.99E-04	0.00E+00	0.00E+00	2.99E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	4.75E-04
6072	ALL	487234.5	3612420	NonCancer	4.35E-04	1.48E-06	2.74E-04	0.00E+00	0.00E+00	2.74E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	4.35E-04
6073	ALL	487245.3	3612399	NonCancer	3.91E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.91E-04
6074	ALL	487256.1	3612379	NonCancer	3.46E-04	1.18E-06	2.18E-04	0.00E+00	0.00E+00	2.18E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	3.46E-04
6075	ALL	487266.9	3612359	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
6076	ALL	487277.7	3612338	NonCancer	2.90E-04	9.86E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.86E-07	0.00E+00	9.86E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.90E-04
6077	ALL	487288.5	3612318	NonCancer	3.12E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.12E-04
6078	ALL	487299.3	3612298	NonCancer	3.30E-04	1.12E-06	2.08E-04	0.00E+00	0.00E+00	2.08E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	3.30E-04
6079	ALL	487310.1	3612277	NonCancer	3.45E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.45E-04
6080	ALL	487320.9	3612257	NonCancer	3.55E-04	1.21E-06	2.24E-04	0.00E+00	0.00E+00	2.24E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.55E-04
6081	ALL	487331.7	3612237	NonCancer	3.61E-04	1.23E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.61E-04
6082	ALL	487342.5	3612216	NonCancer	3.82E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.82E-04
6083	ALL	487353.3	3612196	NonCancer	4.04E-04	1.37E-06	2.54E-04	0.00E+00	0.00E+00	2.54E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	4.04E-04

6084	ALL	487364.1	3612176	NonCancer	4.20E-04	1.43E-06	2.64E-04	0.00E+00	0.00E+00	2.64E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.20E-04
6085	ALL	487374.9	3612155	NonCancer	4.30E-04	1.46E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.30E-04
6086	ALL	487407.5	3612127	NonCancer	4.57E-04	1.55E-06	2.88E-04	0.00E+00	0.00E+00	2.88E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	4.57E-04
6087	ALL	487429.3	3612120	NonCancer	4.86E-04	1.65E-06	3.06E-04	0.00E+00	0.00E+00	3.06E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	4.86E-04
6088	ALL	487451.1	3612112	NonCancer	5.08E-04	1.73E-06	3.20E-04	0.00E+00	0.00E+00	3.20E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	5.08E-04
6089	ALL	487472.9	3612105	NonCancer	5.22E-04	1.77E-06	3.29E-04	0.00E+00	0.00E+00	3.29E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	5.22E-04
6090	ALL	487494.7	3612098	NonCancer	5.27E-04	1.79E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.27E-04
6091	ALL	487516.5	3612090	NonCancer	5.23E-04	1.78E-06	3.29E-04	0.00E+00	0.00E+00	3.29E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	5.23E-04
6092	ALL	487538.3	3612083	NonCancer	5.18E-04	1.76E-06	3.26E-04	0.00E+00	0.00E+00	3.26E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	5.18E-04
6093	ALL	487560.1	3612075	NonCancer	5.15E-04	1.75E-06	3.24E-04	0.00E+00	0.00E+00	3.24E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	5.15E-04
6094	ALL	487581.9	3612068	NonCancer	5.02E-04	1.71E-06	3.16E-04	0.00E+00	0.00E+00	3.16E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	5.02E-04
6095	ALL	487603.7	3612060	NonCancer	4.87E-04	1.65E-06	3.06E-04	0.00E+00	0.00E+00	3.06E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	4.87E-04
6096	ALL	487625.4	3612053	NonCancer	4.82E-04	1.64E-06	3.03E-04	0.00E+00	0.00E+00	3.03E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	4.82E-04
6097	ALL	487647.2	3612045	NonCancer	4.99E-04	1.70E-06	3.14E-04	0.00E+00	0.00E+00	3.14E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	4.99E-04
6098	ALL	487669	3612038	NonCancer	5.08E-04	1.73E-06	3.20E-04	0.00E+00	0.00E+00	3.20E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	5.08E-04
6099	ALL	487690.8	3612030	NonCancer	5.08E-04	1.73E-06	3.20E-04	0.00E+00	0.00E+00	3.20E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	5.08E-04
6100	ALL	487712.6	3612023	NonCancer	5.16E-04	1.75E-06	3.25E-04	0.00E+00	0.00E+00	3.25E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	5.16E-04
6101	ALL	487734.4	3612015	NonCancer	5.17E-04	1.76E-06	3.25E-04	0.00E+00	0.00E+00	3.25E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	5.17E-04
6102	ALL	487756.2	3612008	NonCancer	5.07E-04	1.72E-06	3.19E-04	0.00E+00	0.00E+00	3.19E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.07E-04
6103	ALL	487778	3612001	NonCancer	4.87E-04	1.65E-06	3.06E-04	0.00E+00	0.00E+00	3.06E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	4.87E-04
6104	ALL	487799.8	3611993	NonCancer	4.58E-04	1.56E-06	2.88E-04	0.00E+00	0.00E+00	2.88E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	4.58E-04
6105	ALL	487821.6	3611986	NonCancer	4.22E-04	1.43E-06	2.66E-04	0.00E+00	0.00E+00	2.66E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	4.22E-04
6106	ALL	487843.4	3611978	NonCancer	4.07E-04	1.38E-06	2.56E-04	0.00E+00	0.00E+00	2.56E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	4.07E-04
6107	ALL	487865.2	3611971	NonCancer	3.94E-04	1.34E-06	2.48E-04	0.00E+00	0.00E+00	2.48E-04	1.34E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	3.94E-04
6108	ALL	487887	3611963	NonCancer	3.78E-04	1.29E-06	2.38E-04	0.00E+00	0.00E+00	2.38E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	3.78E-04
6109	ALL	487908.8	3611956	NonCancer	4.04E-04	1.37E-06	2.54E-04	0.00E+00	0.00E+00	2.54E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	4.04E-04
6110	ALL	487930.6	3611948	NonCancer	4.27E-04	1.45E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.27E-04
6111	ALL	487952.3	3611941	NonCancer	4.43E-04	1.51E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.43E-04
6112	ALL	487974.1	3611933	NonCancer	4.53E-04	1.54E-06	2.85E-04	0.00E+00	0.00E+00	2.85E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	4.53E-04
6113	ALL	487995.9	3611926	NonCancer	4.54E-04	1.54E-06	2.86E-04	0.00E+00	0.00E+00	2.86E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	4.54E-04
6114	ALL	488017.7	3611918	NonCancer	4.52E-04	1.54E-06	2.85E-04	0.00E+00	0.00E+00	2.85E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	4.52E-04
6115	ALL	488039.5	3611911	NonCancer	4.54E-04	1.54E-06	2.86E-04	0.00E+00	0.00E+00	2.86E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	4.54E-04
6116	ALL	488061.3	3611904	NonCancer	4.46E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.46E-04
6117	ALL	488083.1	3611896	NonCancer	4.30E-04	1.46E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.30E-04
6118	ALL	488104.9	3611889	NonCancer	4.06E-04	1.38E-06	2.56E-04	0.00E+00	0.00E+00	2.56E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	4.06E-04
6119	ALL	488126.7	3611881	NonCancer	3.76E-04	1.28E-06	2.37E-04	0.00E+00	0.00E+00	2.37E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	3.76E-04
6120	ALL	488148.5	3611874	NonCancer	3.64E-04	1.24E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.64E-04
6121	ALL	488170.3	3611866	NonCancer	3.76E-04	1.28E-06	2.37E-04	0.00E+00	0.00E+00	2.37E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	3.76E-04
6122	ALL	488192.1	3611859	NonCancer	3.84E-04	1.31E-06	2.42E-04	0.00E+00	0.00E+00	2.42E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	3.84E-04
6123	ALL	488213.9	3611851	NonCancer	4.32E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.32E-04
6124	ALL	488235.7	3611844	NonCancer	4.76E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.76E-04
6125	ALL	488257.5	3611836	NonCancer	5.14E-04	1.75E-06	3.24E-04	0.00E+00	0.00E+00	3.24E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	5.14E-04
6126	ALL	488279.2	3611829	NonCancer	5.44E-04	1.85E-06	3.42E-04	0.00E+00	0.00E+00	3.42E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	5.44E-04
6127	ALL	488301	3611821	NonCancer	5.64E-04	1.92E-06	3.55E-04	0.00E+00	0.00E+00	3.55E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	5.64E-04
6128	ALL	488322.8	3611814	NonCancer	5.73E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.73E-04
6129	ALL	488344.6	3611807	NonCancer	5.70E-04	1.94E-06	3.59E-04	0.00E+00	0.00E+00	3.59E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	5.70E-04
6130	ALL	488366.4	3611799	NonCancer	5.56E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.56E-04
6131	ALL	488388.2	3611792	NonCancer	5.31E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.31E-04
6132	ALL	488410	3611784	NonCancer	4.97E-04	1.69E-06	3.13E-04	0.00E+00	0.00E+00	3.13E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	4.97E-04
6133	ALL	488431.8	3611777	NonCancer	5.07E-04	1.72E-06	3.19E-04	0.00E+00	0.00E+00	3.19E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.07E-04
6134	ALL	488453.6	3611769	NonCancer	5.33E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.33E-04
6135	ALL	488475.4	3611762	NonCancer	5.49E-04	1.87E-06	3.46E-04	0.00E+00	0.00E+00	3.46E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	5.49E-04

6136	ALL	488497.2	3611754	NonCancer	5.55E-04	1.89E-06	3.49E-04	0.00E+00	0.00E+00	3.49E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	5.55E-04
6137	ALL	488519	3611747	NonCancer	5.50E-04	1.87E-06	3.46E-04	0.00E+00	0.00E+00	3.46E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	5.50E-04
6138	ALL	488540.8	3611739	NonCancer	5.34E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.34E-04
6139	ALL	488562.6	3611732	NonCancer	5.09E-04	1.73E-06	3.21E-04	0.00E+00	0.00E+00	3.21E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	5.09E-04
6140	ALL	488584.4	3611725	NonCancer	4.76E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.76E-04
6141	ALL	488606.1	3611717	NonCancer	4.37E-04	1.48E-06	2.75E-04	0.00E+00	0.00E+00	2.75E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	4.37E-04
6142	ALL	488627.9	3611710	NonCancer	3.93E-04	1.34E-06	2.47E-04	0.00E+00	0.00E+00	2.47E-04	1.34E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	3.93E-04
6143	ALL	488649.7	3611702	NonCancer	3.52E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.52E-04
6144	ALL	488671.5	3611695	NonCancer	3.53E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.53E-04
6145	ALL	488693.3	3611687	NonCancer	3.88E-04	1.32E-06	2.44E-04	0.00E+00	0.00E+00	2.44E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	3.88E-04
6146	ALL	488715.1	3611680	NonCancer	4.18E-04	1.42E-06	2.63E-04	0.00E+00	0.00E+00	2.63E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	4.18E-04
6147	ALL	488736.9	3611672	NonCancer	4.43E-04	1.51E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.43E-04
6148	ALL	488758.7	3611665	NonCancer	4.62E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.62E-04
6149	ALL	488780.5	3611657	NonCancer	4.73E-04	1.61E-06	2.98E-04	0.00E+00	0.00E+00	2.98E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	4.73E-04
6150	ALL	488802.3	3611650	NonCancer	4.75E-04	1.62E-06	2.99E-04	0.00E+00	0.00E+00	2.99E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	4.75E-04
6151	ALL	488824.1	3611642	NonCancer	4.77E-04	1.62E-06	3.01E-04	0.00E+00	0.00E+00	3.01E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	4.77E-04
6152	ALL	488845.9	3611635	NonCancer	4.80E-04	1.63E-06	3.02E-04	0.00E+00	0.00E+00	3.02E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	4.80E-04
6153	ALL	488867.7	3611628	NonCancer	4.75E-04	1.61E-06	2.99E-04	0.00E+00	0.00E+00	2.99E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	4.75E-04
6154	ALL	488889.5	3611620	NonCancer	4.62E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.62E-04
6155	ALL	488911.3	3611613	NonCancer	4.41E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.41E-04
6156	ALL	488933.1	3611605	NonCancer	4.14E-04	1.41E-06	2.61E-04	0.00E+00	0.00E+00	2.61E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	4.14E-04
6157	ALL	488954.8	3611598	NonCancer	3.83E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.83E-04
6158	ALL	488976.6	3611590	NonCancer	3.48E-04	1.18E-06	2.19E-04	0.00E+00	0.00E+00	2.19E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	3.48E-04
6159	ALL	488998.4	3611583	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
6160	ALL	489020.2	3611575	NonCancer	3.24E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.24E-04
6161	ALL	489042	3611568	NonCancer	3.24E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.24E-04
6162	ALL	489063.8	3611560	NonCancer	3.46E-04	1.18E-06	2.18E-04	0.00E+00	0.00E+00	2.18E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	3.46E-04
6163	ALL	489085.6	3611553	NonCancer	3.69E-04	1.25E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.69E-04
6164	ALL	489107.4	3611545	NonCancer	3.87E-04	1.32E-06	2.44E-04	0.00E+00	0.00E+00	2.44E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	3.87E-04
6165	ALL	489129.2	3611538	NonCancer	4.00E-04	1.36E-06	2.52E-04	0.00E+00	0.00E+00	2.52E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	4.00E-04
6166	ALL	489151	3611531	NonCancer	4.06E-04	1.38E-06	2.55E-04	0.00E+00	0.00E+00	2.55E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	4.06E-04
6167	ALL	489172.8	3611523	NonCancer	4.16E-04	1.41E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.16E-04
6168	ALL	486489.4	3613824	NonCancer	3.59E-04	1.22E-06	2.26E-04	0.00E+00	0.00E+00	2.26E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	3.59E-04
6169	ALL	486486.8	3613847	NonCancer	3.66E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.66E-04
6170	ALL	486484.2	3613870	NonCancer	3.69E-04	1.25E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.69E-04
6171	ALL	486481.6	3613893	NonCancer	3.65E-04	1.24E-06	2.30E-04	0.00E+00	0.00E+00	2.30E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	3.65E-04
6172	ALL	486479	3613916	NonCancer	3.55E-04	1.21E-06	2.24E-04	0.00E+00	0.00E+00	2.24E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.55E-04
6173	ALL	486476.4	3613939	NonCancer	3.41E-04	1.16E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.41E-04
6174	ALL	486473.9	3613962	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
6175	ALL	486471.3	3613985	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
6176	ALL	486468.7	3614009	NonCancer	3.67E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.67E-04
6177	ALL	486102.8	3613759	NonCancer	2.92E-04	9.94E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.94E-07	0.00E+00	9.94E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.92E-04
6178	ALL	486113.6	3613738	NonCancer	2.83E-04	9.64E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.64E-07	0.00E+00	9.64E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.83E-04
6179	ALL	486124.5	3613718	NonCancer	2.72E-04	9.23E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.23E-07	0.00E+00	9.23E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.72E-04
6180	ALL	486135.4	3613697	NonCancer	2.79E-04	9.50E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.50E-07	0.00E+00	9.50E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.79E-04
6181	ALL	486146.3	3613677	NonCancer	2.94E-04	9.99E-07	1.85E-04	0.00E+00	0.00E+00	1.85E-04	9.99E-07	0.00E+00	9.99E-07	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.94E-04
6182	ALL	486157.2	3613656	NonCancer	3.05E-04	1.04E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.05E-04
6183	ALL	486168.1	3613636	NonCancer	3.13E-04	1.06E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.13E-04
6184	ALL	486179	3613615	NonCancer	3.17E-04	1.08E-06	2.00E-04	0.00E+00	0.00E+00	2.00E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	3.17E-04
6185	ALL	486189.8	3613595	NonCancer	3.17E-04	1.08E-06	2.00E-04	0.00E+00	0.00E+00	2.00E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	3.17E-04
6186	ALL	486200.7	3613574	NonCancer	3.14E-04	1.07E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.14E-04
6187	ALL	486211.6	3613554	NonCancer	3.06E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.06E-04

6188	ALL	486222.5	3613533	NonCancer	2.94E-04	1.00E-06	1.85E-04	0.00E+00	0.00E+00	1.85E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.94E-04
6189	ALL	486233.4	3613512	NonCancer	2.99E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	2.99E-04
6190	ALL	486244.3	3613492	NonCancer	3.24E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.24E-04
6191	ALL	486255.2	3613471	NonCancer	3.53E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.53E-04
6192	ALL	486266.1	3613451	NonCancer	3.79E-04	1.29E-06	2.38E-04	0.00E+00	0.00E+00	2.38E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	3.79E-04
6193	ALL	486276.9	3613430	NonCancer	4.01E-04	1.36E-06	2.52E-04	0.00E+00	0.00E+00	2.52E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	4.01E-04
6194	ALL	486287.8	3613410	NonCancer	4.17E-04	1.42E-06	2.63E-04	0.00E+00	0.00E+00	2.63E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	4.17E-04
6195	ALL	486298.7	3613389	NonCancer	4.28E-04	1.45E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.28E-04
6196	ALL	486309.6	3613369	NonCancer	4.32E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.32E-04
6197	ALL	486320.5	3613348	NonCancer	4.29E-04	1.46E-06	2.70E-04	0.00E+00	0.00E+00	2.70E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	4.29E-04
6198	ALL	486331.4	3613328	NonCancer	4.20E-04	1.43E-06	2.64E-04	0.00E+00	0.00E+00	2.64E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.20E-04
6199	ALL	486342.3	3613307	NonCancer	4.04E-04	1.37E-06	2.54E-04	0.00E+00	0.00E+00	2.54E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	4.04E-04
6200	ALL	486353.1	3613287	NonCancer	3.83E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.83E-04
6201	ALL	486364	3613266	NonCancer	3.57E-04	1.21E-06	2.25E-04	0.00E+00	0.00E+00	2.25E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	3.57E-04
6202	ALL	486374.9	3613246	NonCancer	3.50E-04	1.19E-06	2.20E-04	0.00E+00	0.00E+00	2.20E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	3.50E-04
6203	ALL	486385.8	3613225	NonCancer	3.63E-04	1.24E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.63E-04
6204	ALL	486396.7	3613205	NonCancer	3.72E-04	1.27E-06	2.34E-04	0.00E+00	0.00E+00	2.34E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	3.72E-04
6205	ALL	486407.6	3613184	NonCancer	3.75E-04	1.28E-06	2.36E-04	0.00E+00	0.00E+00	2.36E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	3.75E-04
6206	ALL	486418.5	3613164	NonCancer	3.99E-04	1.36E-06	2.51E-04	0.00E+00	0.00E+00	2.51E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	3.99E-04
6207	ALL	486429.4	3613143	NonCancer	4.19E-04	1.43E-06	2.64E-04	0.00E+00	0.00E+00	2.64E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.19E-04
6208	ALL	486440.2	3613123	NonCancer	4.34E-04	1.47E-06	2.73E-04	0.00E+00	0.00E+00	2.73E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	4.34E-04
6209	ALL	486451.1	3613102	NonCancer	4.41E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.41E-04
6210	ALL	486462	3613082	NonCancer	4.41E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.41E-04
6211	ALL	486472.9	3613061	NonCancer	4.34E-04	1.48E-06	2.73E-04	0.00E+00	0.00E+00	2.73E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	4.34E-04
6212	ALL	486483.8	3613041	NonCancer	4.20E-04	1.43E-06	2.65E-04	0.00E+00	0.00E+00	2.65E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	4.20E-04
6213	ALL	486494.7	3613020	NonCancer	4.00E-04	1.36E-06	2.52E-04	0.00E+00	0.00E+00	2.52E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	4.00E-04
6214	ALL	486505.6	3613000	NonCancer	3.75E-04	1.27E-06	2.36E-04	0.00E+00	0.00E+00	2.36E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	3.75E-04
6215	ALL	486516.4	3612979	NonCancer	3.45E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.45E-04
6216	ALL	486527.3	3612959	NonCancer	3.54E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.54E-04
6217	ALL	486538.2	3612938	NonCancer	3.65E-04	1.24E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.65E-04
6218	ALL	486549.1	3612918	NonCancer	3.69E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.69E-04
6219	ALL	486560	3612897	NonCancer	3.68E-04	1.25E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.68E-04
6220	ALL	486570.9	3612877	NonCancer	3.61E-04	1.23E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.61E-04
6221	ALL	486581.8	3612856	NonCancer	3.49E-04	1.19E-06	2.19E-04	0.00E+00	0.00E+00	2.19E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	3.49E-04
6222	ALL	486592.7	3612836	NonCancer	3.31E-04	1.12E-06	2.08E-04	0.00E+00	0.00E+00	2.08E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	3.31E-04
6223	ALL	486603.5	3612815	NonCancer	3.13E-04	1.07E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.13E-04
6224	ALL	486614.4	3612795	NonCancer	3.31E-04	1.12E-06	2.08E-04	0.00E+00	0.00E+00	2.08E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	3.31E-04
6225	ALL	486625.3	3612774	NonCancer	3.44E-04	1.17E-06	2.16E-04	0.00E+00	0.00E+00	2.16E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	3.44E-04
6226	ALL	486636.2	3612754	NonCancer	3.52E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.52E-04
6227	ALL	486647.1	3612733	NonCancer	3.55E-04	1.21E-06	2.24E-04	0.00E+00	0.00E+00	2.24E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.55E-04
6228	ALL	486658	3612713	NonCancer	3.53E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.53E-04
6229	ALL	486668.9	3612692	NonCancer	3.46E-04	1.18E-06	2.18E-04	0.00E+00	0.00E+00	2.18E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	3.46E-04
6230	ALL	486679.7	3612672	NonCancer	3.34E-04	1.13E-06	2.10E-04	0.00E+00	0.00E+00	2.10E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	3.34E-04
6231	ALL	486690.6	3612651	NonCancer	3.51E-04	1.19E-06	2.21E-04	0.00E+00	0.00E+00	2.21E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	3.51E-04
6232	ALL	486701.5	3612630	NonCancer	3.63E-04	1.23E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.63E-04
6233	ALL	486712.4	3612610	NonCancer	3.70E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.70E-04
6234	ALL	486723.3	3612589	NonCancer	3.71E-04	1.26E-06	2.34E-04	0.00E+00	0.00E+00	2.34E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	3.71E-04
6235	ALL	486734.2	3612569	NonCancer	3.66E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.66E-04
6236	ALL	486745.1	3612548	NonCancer	3.56E-04	1.21E-06	2.24E-04	0.00E+00	0.00E+00	2.24E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.56E-04
6237	ALL	486756	3612528	NonCancer	3.41E-04	1.16E-06	2.15E-04	0.00E+00	0.00E+00	2.15E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.41E-04
6238	ALL	486766.8	3612507	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
6239	ALL	486777.7	3612487	NonCancer	3.20E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.20E-04

6240	ALL	486788.6	3612466	NonCancer	3.25E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.25E-04
6241	ALL	486799.5	3612446	NonCancer	3.24E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.24E-04
6242	ALL	486810.4	3612425	NonCancer	3.19E-04	1.08E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
6243	ALL	486821.3	3612405	NonCancer	3.20E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.20E-04
6244	ALL	486832.2	3612384	NonCancer	3.54E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.54E-04
6245	ALL	486843	3612364	NonCancer	3.85E-04	1.31E-06	2.43E-04	0.00E+00	0.00E+00	2.43E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	3.85E-04
6246	ALL	486853.9	3612343	NonCancer	4.12E-04	1.40E-06	2.60E-04	0.00E+00	0.00E+00	2.60E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	4.12E-04
6247	ALL	486864.8	3612323	NonCancer	4.34E-04	1.47E-06	2.73E-04	0.00E+00	0.00E+00	2.73E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	4.34E-04
6248	ALL	486875.7	3612302	NonCancer	4.49E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.49E-04
6249	ALL	486886.6	3612282	NonCancer	4.56E-04	1.55E-06	2.87E-04	0.00E+00	0.00E+00	2.87E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	4.56E-04
6250	ALL	486897.5	3612261	NonCancer	4.57E-04	1.55E-06	2.88E-04	0.00E+00	0.00E+00	2.88E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	4.57E-04
6251	ALL	486908.4	3612241	NonCancer	4.49E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.49E-04
6252	ALL	486919.3	3612220	NonCancer	4.35E-04	1.48E-06	2.74E-04	0.00E+00	0.00E+00	2.74E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	4.35E-04
6253	ALL	486930.1	3612200	NonCancer	4.14E-04	1.41E-06	2.61E-04	0.00E+00	0.00E+00	2.61E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	4.14E-04
6254	ALL	486941	3612179	NonCancer	3.88E-04	1.32E-06	2.44E-04	0.00E+00	0.00E+00	2.44E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	3.88E-04
6255	ALL	486951.9	3612159	NonCancer	3.58E-04	1.22E-06	2.25E-04	0.00E+00	0.00E+00	2.25E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	3.58E-04
6256	ALL	486962.8	3612138	NonCancer	3.25E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.25E-04
6257	ALL	486973.7	3612118	NonCancer	2.90E-04	9.87E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.87E-07	0.00E+00	9.87E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.90E-04
6258	ALL	486984.6	3612097	NonCancer	2.55E-04	8.68E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.68E-07	0.00E+00	8.68E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.55E-04
6259	ALL	486995.5	3612077	NonCancer	2.30E-04	7.83E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.83E-07	0.00E+00	7.83E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
6260	ALL	487006.3	3612056	NonCancer	2.38E-04	8.09E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04	8.09E-07	0.00E+00	8.09E-07	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	2.38E-04
6261	ALL	487017.2	3612036	NonCancer	2.54E-04	8.64E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.64E-07	0.00E+00	8.64E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.54E-04
6262	ALL	487028.1	3612015	NonCancer	2.68E-04	9.13E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.13E-07	0.00E+00	9.13E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.68E-04
6263	ALL	487039	3611995	NonCancer	2.80E-04	9.53E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.53E-07	0.00E+00	9.53E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.80E-04
6264	ALL	487049.9	3611974	NonCancer	2.89E-04	9.83E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.83E-07	0.00E+00	9.83E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.89E-04
6265	ALL	487060.8	3611954	NonCancer	2.95E-04	1.00E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.95E-04
6266	ALL	487071.7	3611933	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
6267	ALL	487082.6	3611913	NonCancer	3.19E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
6268	ALL	487093.4	3611892	NonCancer	3.35E-04	1.14E-06	2.11E-04	0.00E+00	0.00E+00	2.11E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	3.35E-04
6269	ALL	487104.3	3611872	NonCancer	3.46E-04	1.18E-06	2.18E-04	0.00E+00	0.00E+00	2.18E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	3.46E-04
6270	ALL	487115.2	3611851	NonCancer	3.54E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.54E-04
6271	ALL	487148.1	3611823	NonCancer	3.71E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.71E-04
6272	ALL	487170	3611815	NonCancer	3.91E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.91E-04
6273	ALL	487192	3611808	NonCancer	4.10E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.10E-04
6274	ALL	487214	3611800	NonCancer	4.24E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.24E-04
6275	ALL	487236	3611793	NonCancer	4.32E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.32E-04
6276	ALL	487257.9	3611785	NonCancer	4.34E-04	1.48E-06	2.73E-04	0.00E+00	0.00E+00	2.73E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	4.34E-04
6277	ALL	487279.9	3611778	NonCancer	4.30E-04	1.46E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.30E-04
6278	ALL	487301.9	3611770	NonCancer	4.27E-04	1.45E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.27E-04
6279	ALL	487323.8	3611763	NonCancer	4.25E-04	1.45E-06	2.68E-04	0.00E+00	0.00E+00	2.68E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	4.25E-04
6280	ALL	487345.8	3611755	NonCancer	4.17E-04	1.42E-06	2.63E-04	0.00E+00	0.00E+00	2.63E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	4.17E-04
6281	ALL	487367.8	3611748	NonCancer	4.02E-04	1.37E-06	2.53E-04	0.00E+00	0.00E+00	2.53E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	4.02E-04
6282	ALL	487389.7	3611740	NonCancer	3.98E-04	1.35E-06	2.50E-04	0.00E+00	0.00E+00	2.50E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	3.98E-04
6283	ALL	487411.7	3611733	NonCancer	4.02E-04	1.37E-06	2.53E-04	0.00E+00	0.00E+00	2.53E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	4.02E-04
6284	ALL	487433.7	3611725	NonCancer	4.13E-04	1.40E-06	2.60E-04	0.00E+00	0.00E+00	2.60E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	4.13E-04
6285	ALL	487455.6	3611718	NonCancer	4.19E-04	1.42E-06	2.64E-04	0.00E+00	0.00E+00	2.64E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.19E-04
6286	ALL	487477.6	3611710	NonCancer	4.19E-04	1.42E-06	2.64E-04	0.00E+00	0.00E+00	2.64E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.19E-04
6287	ALL	487499.6	3611703	NonCancer	4.25E-04	1.45E-06	2.68E-04	0.00E+00	0.00E+00	2.68E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	4.25E-04
6288	ALL	487521.6	3611695	NonCancer	4.27E-04	1.45E-06	2.69E-04	0.00E+00	0.00E+00	2.69E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	4.27E-04
6289	ALL	487543.5	3611688	NonCancer	4.22E-04	1.43E-06	2.65E-04	0.00E+00	0.00E+00	2.65E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	4.22E-04
6290	ALL	487565.5	3611680	NonCancer	4.09E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.09E-04
6291	ALL	487587.5	3611673	NonCancer	3.90E-04	1.33E-06	2.45E-04	0.00E+00	0.00E+00	2.45E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	3.90E-04

6292	ALL	487609.4	3611665	NonCancer	3.65E-04	1.24E-06	2.30E-04	0.00E+00	0.00E+00	2.30E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	3.65E-04
6293	ALL	487631.4	3611658	NonCancer	3.40E-04	1.16E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.40E-04
6294	ALL	487653.4	3611650	NonCancer	3.35E-04	1.14E-06	2.11E-04	0.00E+00	0.00E+00	2.11E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	3.35E-04
6295	ALL	487675.3	3611643	NonCancer	3.25E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.25E-04
6296	ALL	487697.3	3611635	NonCancer	3.11E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.11E-04
6297	ALL	487719.3	3611627	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
6298	ALL	487741.3	3611620	NonCancer	3.41E-04	1.16E-06	2.15E-04	0.00E+00	0.00E+00	2.15E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.41E-04
6299	ALL	487763.2	3611612	NonCancer	3.57E-04	1.21E-06	2.24E-04	0.00E+00	0.00E+00	2.24E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.57E-04
6300	ALL	487785.2	3611605	NonCancer	3.67E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.67E-04
6301	ALL	487807.2	3611597	NonCancer	3.73E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.73E-04
6302	ALL	487829.1	3611590	NonCancer	3.73E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.73E-04
6303	ALL	487851.1	3611582	NonCancer	3.74E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.74E-04
6304	ALL	487873.1	3611575	NonCancer	3.75E-04	1.28E-06	2.36E-04	0.00E+00	0.00E+00	2.36E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	3.75E-04
6305	ALL	487895	3611567	NonCancer	3.71E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.71E-04
6306	ALL	487917	3611560	NonCancer	3.60E-04	1.22E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.60E-04
6307	ALL	487939	3611552	NonCancer	3.43E-04	1.17E-06	2.16E-04	0.00E+00	0.00E+00	2.16E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	3.43E-04
6308	ALL	487961	3611545	NonCancer	3.22E-04	1.10E-06	2.03E-04	0.00E+00	0.00E+00	2.03E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	3.22E-04
6309	ALL	487982.9	3611537	NonCancer	2.97E-04	1.01E-06	1.87E-04	0.00E+00	0.00E+00	1.87E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	2.97E-04
6310	ALL	488004.9	3611530	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
6311	ALL	488026.9	3611522	NonCancer	3.09E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.09E-04
6312	ALL	488048.8	3611515	NonCancer	3.14E-04	1.07E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.14E-04
6313	ALL	488070.8	3611507	NonCancer	3.38E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.38E-04
6314	ALL	488092.8	3611500	NonCancer	3.73E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.73E-04
6315	ALL	488114.7	3611492	NonCancer	4.05E-04	1.38E-06	2.55E-04	0.00E+00	0.00E+00	2.55E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	4.05E-04
6316	ALL	488136.7	3611485	NonCancer	4.32E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.32E-04
6317	ALL	488158.7	3611477	NonCancer	4.53E-04	1.54E-06	2.85E-04	0.00E+00	0.00E+00	2.85E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	4.53E-04
6318	ALL	488180.7	3611470	NonCancer	4.67E-04	1.59E-06	2.94E-04	0.00E+00	0.00E+00	2.94E-04	1.59E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	4.67E-04
6319	ALL	488202.6	3611462	NonCancer	4.72E-04	1.61E-06	2.97E-04	0.00E+00	0.00E+00	2.97E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	4.72E-04
6320	ALL	488224.6	3611454	NonCancer	4.70E-04	1.60E-06	2.96E-04	0.00E+00	0.00E+00	2.96E-04	1.60E-06	0.00E+00	1.60E-06	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	4.70E-04
6321	ALL	488246.6	3611447	NonCancer	4.60E-04	1.56E-06	2.90E-04	0.00E+00	0.00E+00	2.90E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	4.60E-04
6322	ALL	488268.5	3611439	NonCancer	4.42E-04	1.50E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.42E-04
6323	ALL	488290.5	3611432	NonCancer	4.18E-04	1.42E-06	2.63E-04	0.00E+00	0.00E+00	2.63E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	4.18E-04
6324	ALL	488312.5	3611424	NonCancer	3.99E-04	1.36E-06	2.52E-04	0.00E+00	0.00E+00	2.52E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	3.99E-04
6325	ALL	488334.4	3611417	NonCancer	4.24E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.24E-04
6326	ALL	488356.4	3611409	NonCancer	4.42E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.42E-04
6327	ALL	488378.4	3611402	NonCancer	4.53E-04	1.54E-06	2.85E-04	0.00E+00	0.00E+00	2.85E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	4.53E-04
6328	ALL	488400.4	3611394	NonCancer	4.57E-04	1.55E-06	2.88E-04	0.00E+00	0.00E+00	2.88E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	4.57E-04
6329	ALL	488422.3	3611387	NonCancer	4.54E-04	1.54E-06	2.86E-04	0.00E+00	0.00E+00	2.86E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	4.54E-04
6330	ALL	488444.3	3611379	NonCancer	4.43E-04	1.51E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.43E-04
6331	ALL	488466.3	3611372	NonCancer	4.25E-04	1.45E-06	2.68E-04	0.00E+00	0.00E+00	2.68E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	4.25E-04
6332	ALL	488488.2	3611364	NonCancer	4.02E-04	1.37E-06	2.53E-04	0.00E+00	0.00E+00	2.53E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	4.02E-04
6333	ALL	488510.2	3611357	NonCancer	3.74E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.74E-04
6334	ALL	488532.2	3611349	NonCancer	3.42E-04	1.16E-06	2.15E-04	0.00E+00	0.00E+00	2.15E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.42E-04
6335	ALL	488554.1	3611342	NonCancer	3.08E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.08E-04
6336	ALL	488576.1	3611334	NonCancer	2.87E-04	9.77E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.77E-07	0.00E+00	9.77E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.87E-04
6337	ALL	488598.1	3611327	NonCancer	2.81E-04	9.56E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.56E-07	0.00E+00	9.56E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.81E-04
6338	ALL	488620	3611319	NonCancer	3.08E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.08E-04
6339	ALL	488642	3611312	NonCancer	3.33E-04	1.13E-06	2.09E-04	0.00E+00	0.00E+00	2.09E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.33E-04
6340	ALL	488664	3611304	NonCancer	3.54E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.54E-04
6341	ALL	488686	3611297	NonCancer	3.71E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.71E-04
6342	ALL	488707.9	3611289	NonCancer	3.83E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.83E-04
6343	ALL	488729.9	3611282	NonCancer	3.90E-04	1.32E-06	2.45E-04	0.00E+00	0.00E+00	2.45E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	3.90E-04

6344	ALL	488751.9	3611274	NonCancer	3.91E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.91E-04
6345	ALL	488773.8	3611266	NonCancer	3.92E-04	1.33E-06	2.47E-04	0.00E+00	0.00E+00	2.47E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	3.92E-04
6346	ALL	488795.8	3611259	NonCancer	3.95E-04	1.34E-06	2.49E-04	0.00E+00	0.00E+00	2.49E-04	1.34E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	3.95E-04
6347	ALL	488817.8	3611251	NonCancer	3.92E-04	1.33E-06	2.47E-04	0.00E+00	0.00E+00	2.47E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	3.92E-04
6348	ALL	488839.7	3611244	NonCancer	3.84E-04	1.31E-06	2.42E-04	0.00E+00	0.00E+00	2.42E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	3.84E-04
6349	ALL	488861.7	3611236	NonCancer	3.70E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.70E-04
6350	ALL	488883.7	3611229	NonCancer	3.52E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.52E-04
6351	ALL	488905.7	3611221	NonCancer	3.30E-04	1.12E-06	2.08E-04	0.00E+00	0.00E+00	2.08E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	3.30E-04
6352	ALL	488927.6	3611214	NonCancer	3.06E-04	1.04E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.06E-04
6353	ALL	488949.6	3611206	NonCancer	2.79E-04	9.48E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.48E-07	0.00E+00	9.48E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.79E-04
6354	ALL	488971.6	3611199	NonCancer	2.63E-04	8.95E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.95E-07	0.00E+00	8.95E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.63E-04
6355	ALL	488993.5	3611191	NonCancer	2.66E-04	9.03E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.03E-07	0.00E+00	9.03E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.66E-04
6356	ALL	489015.5	3611184	NonCancer	2.65E-04	9.00E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.00E-07	0.00E+00	9.00E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.65E-04
6357	ALL	489037.5	3611176	NonCancer	2.70E-04	9.18E-07	1.70E-04	0.00E+00	0.00E+00	1.70E-04	9.18E-07	0.00E+00	9.18E-07	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	2.70E-04
6358	ALL	489059.4	3611169	NonCancer	2.90E-04	9.84E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.84E-07	0.00E+00	9.84E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.90E-04
6359	ALL	489081.4	3611161	NonCancer	3.06E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.06E-04
6360	ALL	489103.4	3611154	NonCancer	3.19E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
6361	ALL	489125.4	3611146	NonCancer	3.29E-04	1.12E-06	2.07E-04	0.00E+00	0.00E+00	2.07E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	3.29E-04
6362	ALL	489147.3	3611139	NonCancer	3.34E-04	1.13E-06	2.10E-04	0.00E+00	0.00E+00	2.10E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	3.34E-04
6363	ALL	489169.3	3611131	NonCancer	3.39E-04	1.15E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.39E-04
6364	ALL	489191.3	3611124	NonCancer	3.47E-04	1.18E-06	2.18E-04	0.00E+00	0.00E+00	2.18E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	3.47E-04
6365	ALL	486091.9	3613779	NonCancer	2.98E-04	1.01E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.98E-04
6366	ALL	486089.3	3613802	NonCancer	3.02E-04	1.03E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.02E-04
6367	ALL	486086.7	3613825	NonCancer	3.01E-04	1.02E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.01E-04
6368	ALL	486084.1	3613848	NonCancer	2.97E-04	1.01E-06	1.87E-04	0.00E+00	0.00E+00	1.87E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	2.97E-04
6369	ALL	486081.5	3613872	NonCancer	2.88E-04	9.80E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.80E-07	0.00E+00	9.80E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.88E-04
6370	ALL	486078.9	3613895	NonCancer	2.77E-04	9.41E-07	1.74E-04	0.00E+00	0.00E+00	1.74E-04	9.41E-07	0.00E+00	9.41E-07	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	2.77E-04
6371	ALL	486076.3	3613918	NonCancer	2.62E-04	8.91E-07	1.65E-04	0.00E+00	0.00E+00	1.65E-04	8.91E-07	0.00E+00	8.91E-07	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	2.62E-04
6372	ALL	486073.8	3613941	NonCancer	2.45E-04	8.32E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.32E-07	0.00E+00	8.32E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.45E-04
6373	ALL	486071.2	3613964	NonCancer	2.77E-04	9.42E-07	1.74E-04	0.00E+00	0.00E+00	1.74E-04	9.42E-07	0.00E+00	9.42E-07	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	2.77E-04
6374	ALL	485705.2	3613714	NonCancer	2.49E-04	8.47E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.47E-07	0.00E+00	8.47E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.49E-04
6375	ALL	485716.1	3613694	NonCancer	2.44E-04	8.29E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.29E-07	0.00E+00	8.29E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.44E-04
6376	ALL	485726.9	3613673	NonCancer	2.37E-04	8.04E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.04E-07	0.00E+00	8.04E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.37E-04
6377	ALL	485737.8	3613653	NonCancer	2.27E-04	7.72E-07	1.43E-04	0.00E+00	0.00E+00	1.43E-04	7.72E-07	0.00E+00	7.72E-07	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	2.27E-04
6378	ALL	485748.6	3613632	NonCancer	2.30E-04	7.83E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.83E-07	0.00E+00	7.83E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
6379	ALL	485759.5	3613612	NonCancer	2.42E-04	8.23E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.23E-07	0.00E+00	8.23E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.42E-04
6380	ALL	485770.3	3613592	NonCancer	2.52E-04	8.57E-07	1.59E-04	0.00E+00	0.00E+00	1.59E-04	8.57E-07	0.00E+00	8.57E-07	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	2.52E-04
6381	ALL	485781.2	3613571	NonCancer	2.60E-04	8.83E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.83E-07	0.00E+00	8.83E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.60E-04
6382	ALL	485792	3613551	NonCancer	2.65E-04	9.01E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.01E-07	0.00E+00	9.01E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.65E-04
6383	ALL	485802.9	3613530	NonCancer	2.67E-04	9.09E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.09E-07	0.00E+00	9.09E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.67E-04
6384	ALL	485813.7	3613510	NonCancer	2.67E-04	9.07E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.07E-07	0.00E+00	9.07E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.67E-04
6385	ALL	485824.6	3613489	NonCancer	2.64E-04	8.96E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.96E-07	0.00E+00	8.96E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.64E-04
6386	ALL	485835.4	3613469	NonCancer	2.58E-04	8.76E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.76E-07	0.00E+00	8.76E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.58E-04
6387	ALL	485846.3	3613448	NonCancer	2.61E-04	8.89E-07	1.65E-04	0.00E+00	0.00E+00	1.65E-04	8.89E-07	0.00E+00	8.89E-07	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	2.61E-04
6388	ALL	485857.1	3613428	NonCancer	2.72E-04	9.23E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.23E-07	0.00E+00	9.23E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.72E-04
6389	ALL	485868	3613407	NonCancer	2.79E-04	9.48E-07	1.75E-04	0.00E+00	0.00E+00	1.75E-04	9.48E-07	0.00E+00	9.48E-07	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	2.79E-04
6390	ALL	485878.9	3613387	NonCancer	2.85E-04	9.69E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.69E-07	0.00E+00	9.69E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.85E-04
6391	ALL	485889.7	3613367	NonCancer	3.01E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.01E-04
6392	ALL	485900.6	3613346	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
6393	ALL	485911.4	3613326	NonCancer	3.38E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.38E-04
6394	ALL	485922.3	3613305	NonCancer	3.51E-04	1.19E-06	2.21E-04	0.00E+00	0.00E+00	2.21E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	3.51E-04
6395	ALL	485933.1	3613285	NonCancer	3.60E-04	1.23E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.60E-04

6396	ALL	485944	3613264	NonCancer	3.65E-04	1.24E-06	2.30E-04	0.00E+00	0.00E+00	2.30E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	3.65E-04
6397	ALL	485954.8	3613244	NonCancer	3.64E-04	1.24E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.64E-04
6398	ALL	485965.7	3613223	NonCancer	3.59E-04	1.22E-06	2.26E-04	0.00E+00	0.00E+00	2.26E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	3.59E-04
6399	ALL	485976.5	3613203	NonCancer	3.49E-04	1.19E-06	2.20E-04	0.00E+00	0.00E+00	2.20E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	3.49E-04
6400	ALL	485987.4	3613183	NonCancer	3.35E-04	1.14E-06	2.11E-04	0.00E+00	0.00E+00	2.11E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	3.35E-04
6401	ALL	485998.2	3613162	NonCancer	3.17E-04	1.08E-06	2.00E-04	0.00E+00	0.00E+00	2.00E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	3.17E-04
6402	ALL	486009.1	3613142	NonCancer	2.96E-04	1.01E-06	1.87E-04	0.00E+00	0.00E+00	1.87E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	2.96E-04
6403	ALL	486019.9	3613121	NonCancer	2.93E-04	9.95E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.95E-07	0.00E+00	9.95E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.93E-04
6404	ALL	486030.8	3613101	NonCancer	3.04E-04	1.03E-06	1.91E-04	0.00E+00	0.00E+00	1.91E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	3.04E-04
6405	ALL	486041.6	3613080	NonCancer	3.12E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.12E-04
6406	ALL	486052.5	3613060	NonCancer	3.16E-04	1.08E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.16E-04
6407	ALL	486063.4	3613039	NonCancer	3.23E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.23E-04
6408	ALL	486074.2	3613019	NonCancer	3.42E-04	1.16E-06	2.15E-04	0.00E+00	0.00E+00	2.15E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.42E-04
6409	ALL	486085.1	3612999	NonCancer	3.57E-04	1.21E-06	2.25E-04	0.00E+00	0.00E+00	2.25E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	3.57E-04
6410	ALL	486095.9	3612978	NonCancer	3.67E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.67E-04
6411	ALL	486106.8	3612958	NonCancer	3.72E-04	1.26E-06	2.34E-04	0.00E+00	0.00E+00	2.34E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	3.72E-04
6412	ALL	486117.6	3612937	NonCancer	3.72E-04	1.26E-06	2.34E-04	0.00E+00	0.00E+00	2.34E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	3.72E-04
6413	ALL	486128.5	3612917	NonCancer	3.67E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.67E-04
6414	ALL	486139.3	3612896	NonCancer	3.57E-04	1.21E-06	2.25E-04	0.00E+00	0.00E+00	2.25E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	3.57E-04
6415	ALL	486150.2	3612876	NonCancer	3.43E-04	1.17E-06	2.16E-04	0.00E+00	0.00E+00	2.16E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	3.43E-04
6416	ALL	486161	3612855	NonCancer	3.25E-04	1.10E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.25E-04
6417	ALL	486171.9	3612835	NonCancer	3.04E-04	1.03E-06	1.91E-04	0.00E+00	0.00E+00	1.91E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	3.04E-04
6418	ALL	486182.7	3612814	NonCancer	2.86E-04	9.72E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.72E-07	0.00E+00	9.72E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.86E-04
6419	ALL	486193.6	3612794	NonCancer	2.98E-04	1.01E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.98E-04
6420	ALL	486204.4	3612774	NonCancer	3.07E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.07E-04
6421	ALL	486215.3	3612753	NonCancer	3.11E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.11E-04
6422	ALL	486226.1	3612733	NonCancer	3.11E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.11E-04
6423	ALL	486237	3612712	NonCancer	3.07E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.07E-04
6424	ALL	486247.9	3612692	NonCancer	2.99E-04	1.02E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.99E-04
6425	ALL	486258.7	3612671	NonCancer	2.87E-04	9.76E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.76E-07	0.00E+00	9.76E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.87E-04
6426	ALL	486269.6	3612651	NonCancer	2.72E-04	9.26E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.26E-07	0.00E+00	9.26E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.72E-04
6427	ALL	486280.4	3612630	NonCancer	2.65E-04	9.02E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.02E-07	0.00E+00	9.02E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.65E-04
6428	ALL	486291.3	3612610	NonCancer	2.79E-04	9.48E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.48E-07	0.00E+00	9.48E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.79E-04
6429	ALL	486302.1	3612590	NonCancer	2.89E-04	9.84E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.84E-07	0.00E+00	9.84E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.89E-04
6430	ALL	486313	3612569	NonCancer	2.97E-04	1.01E-06	1.87E-04	0.00E+00	0.00E+00	1.87E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	2.97E-04
6431	ALL	486323.8	3612549	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
6432	ALL	486334.7	3612528	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
6433	ALL	486345.5	3612508	NonCancer	2.96E-04	1.01E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.96E-04
6434	ALL	486356.4	3612487	NonCancer	2.89E-04	9.81E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.81E-07	0.00E+00	9.81E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.89E-04
6435	ALL	486367.2	3612467	NonCancer	2.84E-04	9.64E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.64E-07	0.00E+00	9.64E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.84E-04
6436	ALL	486378.1	3612446	NonCancer	2.97E-04	1.01E-06	1.87E-04	0.00E+00	0.00E+00	1.87E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	2.97E-04
6437	ALL	486388.9	3612426	NonCancer	3.07E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.07E-04
6438	ALL	486399.8	3612406	NonCancer	3.12E-04	1.06E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.12E-04
6439	ALL	486410.7	3612385	NonCancer	3.14E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.14E-04
6440	ALL	486421.5	3612365	NonCancer	3.12E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.12E-04
6441	ALL	486432.4	3612344	NonCancer	3.05E-04	1.04E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.05E-04
6442	ALL	486443.2	3612324	NonCancer	2.95E-04	1.00E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.95E-04
6443	ALL	486454.1	3612303	NonCancer	2.82E-04	9.59E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.59E-07	0.00E+00	9.59E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.82E-04
6444	ALL	486464.9	3612283	NonCancer	2.66E-04	9.04E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.04E-07	0.00E+00	9.04E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.66E-04
6445	ALL	486475.8	3612262	NonCancer	2.72E-04	9.25E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.25E-07	0.00E+00	9.25E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.72E-04
6446	ALL	486486.6	3612242	NonCancer	2.75E-04	9.36E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.36E-07	0.00E+00	9.36E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.75E-04
6447	ALL	486497.5	3612221	NonCancer	2.75E-04	9.36E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.36E-07	0.00E+00	9.36E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.75E-04

6448	ALL	486508.3	3612201	NonCancer	2.72E-04	9.25E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.25E-07	0.00E+00	9.25E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.72E-04
6449	ALL	486519.2	3612181	NonCancer	2.66E-04	9.03E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.03E-07	0.00E+00	9.03E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.66E-04
6450	ALL	486530	3612160	NonCancer	2.79E-04	9.49E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.49E-07	0.00E+00	9.49E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.79E-04
6451	ALL	486540.9	3612140	NonCancer	3.05E-04	1.04E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.05E-04
6452	ALL	486551.7	3612119	NonCancer	3.29E-04	1.12E-06	2.07E-04	0.00E+00	0.00E+00	2.07E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	3.29E-04
6453	ALL	486562.6	3612099	NonCancer	3.50E-04	1.19E-06	2.20E-04	0.00E+00	0.00E+00	2.20E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	3.50E-04
6454	ALL	486573.4	3612078	NonCancer	3.67E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.67E-04
6455	ALL	486584.3	3612058	NonCancer	3.79E-04	1.29E-06	2.39E-04	0.00E+00	0.00E+00	2.39E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	3.79E-04
6456	ALL	486595.2	3612037	NonCancer	3.86E-04	1.31E-06	2.43E-04	0.00E+00	0.00E+00	2.43E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	3.86E-04
6457	ALL	486606	3612017	NonCancer	3.88E-04	1.32E-06	2.44E-04	0.00E+00	0.00E+00	2.44E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	3.88E-04
6458	ALL	486616.9	3611997	NonCancer	3.84E-04	1.31E-06	2.42E-04	0.00E+00	0.00E+00	2.42E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	3.84E-04
6459	ALL	486627.7	3611976	NonCancer	3.75E-04	1.28E-06	2.36E-04	0.00E+00	0.00E+00	2.36E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	3.75E-04
6460	ALL	486638.6	3611956	NonCancer	3.61E-04	1.23E-06	2.28E-04	0.00E+00	0.00E+00	2.28E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	3.61E-04
6461	ALL	486649.4	3611935	NonCancer	3.43E-04	1.17E-06	2.16E-04	0.00E+00	0.00E+00	2.16E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	3.43E-04
6462	ALL	486660.3	3611915	NonCancer	3.22E-04	1.09E-06	2.03E-04	0.00E+00	0.00E+00	2.03E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	3.22E-04
6463	ALL	486671.1	3611894	NonCancer	2.98E-04	1.01E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.98E-04
6464	ALL	486682	3611874	NonCancer	2.72E-04	9.25E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.25E-07	0.00E+00	9.25E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.72E-04
6465	ALL	486692.8	3611853	NonCancer	2.45E-04	8.33E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.33E-07	0.00E+00	8.33E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.45E-04
6466	ALL	486703.7	3611833	NonCancer	2.18E-04	7.41E-07	1.37E-04	0.00E+00	0.00E+00	1.37E-04	7.41E-07	0.00E+00	7.41E-07	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	2.18E-04
6467	ALL	486714.5	3611813	NonCancer	1.95E-04	6.64E-07	1.23E-04	0.00E+00	0.00E+00	1.23E-04	6.64E-07	0.00E+00	6.64E-07	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	1.95E-04
6468	ALL	486725.4	3611792	NonCancer	1.95E-04	6.63E-07	1.23E-04	0.00E+00	0.00E+00	1.23E-04	6.63E-07	0.00E+00	6.63E-07	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	1.95E-04
6469	ALL	486736.2	3611772	NonCancer	2.02E-04	6.87E-07	1.27E-04	0.00E+00	0.00E+00	1.27E-04	6.87E-07	0.00E+00	6.87E-07	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	2.02E-04
6470	ALL	486747.1	3611751	NonCancer	2.15E-04	7.29E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.29E-07	0.00E+00	7.29E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.15E-04
6471	ALL	486758	3611731	NonCancer	2.26E-04	7.67E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.67E-07	0.00E+00	7.67E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.26E-04
6472	ALL	486768.8	3611710	NonCancer	2.35E-04	7.99E-07	1.48E-04	0.00E+00	0.00E+00	1.48E-04	7.99E-07	0.00E+00	7.99E-07	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	2.35E-04
6473	ALL	486779.7	3611690	NonCancer	2.42E-04	8.23E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.23E-07	0.00E+00	8.23E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.42E-04
6474	ALL	486790.5	3611669	NonCancer	2.47E-04	8.40E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.40E-07	0.00E+00	8.40E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.47E-04
6475	ALL	486801.4	3611649	NonCancer	2.50E-04	8.49E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.49E-07	0.00E+00	8.49E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.50E-04
6476	ALL	486812.2	3611628	NonCancer	2.59E-04	8.81E-07	1.63E-04	0.00E+00	0.00E+00	1.63E-04	8.81E-07	0.00E+00	8.81E-07	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	2.59E-04
6477	ALL	486823.1	3611608	NonCancer	2.73E-04	9.27E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.27E-07	0.00E+00	9.27E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.73E-04
6478	ALL	486833.9	3611588	NonCancer	2.84E-04	9.66E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.66E-07	0.00E+00	9.66E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.84E-04
6479	ALL	486844.8	3611567	NonCancer	2.93E-04	9.96E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.96E-07	0.00E+00	9.96E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.93E-04
6480	ALL	486855.6	3611547	NonCancer	2.98E-04	1.01E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.98E-04
6481	ALL	486888.4	3611519	NonCancer	3.10E-04	1.05E-06	1.95E-04	0.00E+00	0.00E+00	1.95E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	3.10E-04
6482	ALL	486910.3	3611511	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
6483	ALL	486932.2	3611504	NonCancer	3.37E-04	1.15E-06	2.12E-04	0.00E+00	0.00E+00	2.12E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	3.37E-04
6484	ALL	486954.1	3611496	NonCancer	3.51E-04	1.19E-06	2.21E-04	0.00E+00	0.00E+00	2.21E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	3.51E-04
6485	ALL	486976	3611489	NonCancer	3.60E-04	1.22E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.60E-04
6486	ALL	486997.9	3611481	NonCancer	3.65E-04	1.24E-06	2.30E-04	0.00E+00	0.00E+00	2.30E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	3.65E-04
6487	ALL	487019.8	3611474	NonCancer	3.66E-04	1.24E-06	2.30E-04	0.00E+00	0.00E+00	2.30E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	3.66E-04
6488	ALL	487041.7	3611466	NonCancer	3.62E-04	1.23E-06	2.28E-04	0.00E+00	0.00E+00	2.28E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	3.62E-04
6489	ALL	487063.6	3611459	NonCancer	3.60E-04	1.22E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.60E-04
6490	ALL	487085.5	3611451	NonCancer	3.60E-04	1.22E-06	2.26E-04	0.00E+00	0.00E+00	2.26E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	3.60E-04
6491	ALL	487107.4	3611444	NonCancer	3.54E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.54E-04
6492	ALL	487129.3	3611436	NonCancer	3.44E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.44E-04
6493	ALL	487151.2	3611429	NonCancer	3.38E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.38E-04
6494	ALL	487173.1	3611421	NonCancer	3.32E-04	1.13E-06	2.09E-04	0.00E+00	0.00E+00	2.09E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.32E-04
6495	ALL	487195	3611414	NonCancer	3.39E-04	1.15E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.39E-04
6496	ALL	487216.9	3611406	NonCancer	3.48E-04	1.18E-06	2.19E-04	0.00E+00	0.00E+00	2.19E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	3.48E-04
6497	ALL	487238.8	3611399	NonCancer	3.52E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.52E-04
6498	ALL	487260.7	3611391	NonCancer	3.53E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.53E-04
6499	ALL	487282.6	3611384	NonCancer	3.57E-04	1.21E-06	2.25E-04	0.00E+00	0.00E+00	2.25E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	3.57E-04

6500	ALL	487304.5	3611376	NonCancer	3.60E-04	1.23E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.60E-04
6501	ALL	487326.4	3611369	NonCancer	3.59E-04	1.22E-06	2.26E-04	0.00E+00	0.00E+00	2.26E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	3.59E-04
6502	ALL	487348.3	3611361	NonCancer	3.52E-04	1.20E-06	2.21E-04	0.00E+00	0.00E+00	2.21E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	3.52E-04
6503	ALL	487370.2	3611354	NonCancer	3.40E-04	1.15E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.40E-04
6504	ALL	487392.1	3611346	NonCancer	3.23E-04	1.10E-06	2.03E-04	0.00E+00	0.00E+00	2.03E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	3.23E-04
6505	ALL	487414	3611339	NonCancer	3.03E-04	1.03E-06	1.91E-04	0.00E+00	0.00E+00	1.91E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	3.03E-04
6506	ALL	487435.9	3611331	NonCancer	2.87E-04	9.77E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.77E-07	0.00E+00	9.77E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.87E-04
6507	ALL	487457.8	3611324	NonCancer	2.84E-04	9.64E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.64E-07	0.00E+00	9.64E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.84E-04
6508	ALL	487479.7	3611316	NonCancer	2.76E-04	9.40E-07	1.74E-04	0.00E+00	0.00E+00	1.74E-04	9.40E-07	0.00E+00	9.40E-07	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	2.76E-04
6509	ALL	487501.6	3611309	NonCancer	2.66E-04	9.05E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.05E-07	0.00E+00	9.05E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.66E-04
6510	ALL	487523.5	3611301	NonCancer	2.59E-04	8.80E-07	1.63E-04	0.00E+00	0.00E+00	1.63E-04	8.80E-07	0.00E+00	8.80E-07	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	2.59E-04
6511	ALL	487545.4	3611294	NonCancer	2.74E-04	9.32E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.32E-07	0.00E+00	9.32E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.74E-04
6512	ALL	487567.3	3611286	NonCancer	2.89E-04	9.82E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.82E-07	0.00E+00	9.82E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.89E-04
6513	ALL	487589.2	3611279	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
6514	ALL	487611.1	3611271	NonCancer	3.09E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.09E-04
6515	ALL	487633.1	3611264	NonCancer	3.13E-04	1.07E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.13E-04
6516	ALL	487655	3611256	NonCancer	3.14E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.14E-04
6517	ALL	487676.9	3611249	NonCancer	3.14E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.14E-04
6518	ALL	487698.8	3611241	NonCancer	3.17E-04	1.08E-06	2.00E-04	0.00E+00	0.00E+00	2.00E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	3.17E-04
6519	ALL	487720.7	3611234	NonCancer	3.16E-04	1.07E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.16E-04
6520	ALL	487742.6	3611226	NonCancer	3.10E-04	1.05E-06	1.95E-04	0.00E+00	0.00E+00	1.95E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	3.10E-04
6521	ALL	487764.5	3611219	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
6522	ALL	487786.4	3611211	NonCancer	2.86E-04	9.73E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.73E-07	0.00E+00	9.73E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.86E-04
6523	ALL	487808.3	3611204	NonCancer	2.69E-04	9.16E-07	1.70E-04	0.00E+00	0.00E+00	1.70E-04	9.16E-07	0.00E+00	9.16E-07	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	2.69E-04
6524	ALL	487830.2	3611196	NonCancer	2.50E-04	8.49E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.49E-07	0.00E+00	8.49E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.50E-04
6525	ALL	487852.1	3611189	NonCancer	2.48E-04	8.44E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.44E-07	0.00E+00	8.44E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
6526	ALL	487874	3611181	NonCancer	2.56E-04	8.71E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.71E-07	0.00E+00	8.71E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.56E-04
6527	ALL	487895.9	3611174	NonCancer	2.62E-04	8.90E-07	1.65E-04	0.00E+00	0.00E+00	1.65E-04	8.90E-07	0.00E+00	8.90E-07	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	2.62E-04
6528	ALL	487917.8	3611166	NonCancer	2.64E-04	8.98E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.98E-07	0.00E+00	8.98E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.64E-04
6529	ALL	487939.7	3611159	NonCancer	2.87E-04	9.77E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.77E-07	0.00E+00	9.77E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.87E-04
6530	ALL	487961.6	3611151	NonCancer	3.14E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.14E-04
6531	ALL	487983.5	3611144	NonCancer	3.39E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.39E-04
6532	ALL	488005.4	3611136	NonCancer	3.60E-04	1.22E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.60E-04
6533	ALL	488027.3	3611129	NonCancer	3.77E-04	1.28E-06	2.38E-04	0.00E+00	0.00E+00	2.38E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	3.77E-04
6534	ALL	488049.2	3611121	NonCancer	3.90E-04	1.32E-06	2.45E-04	0.00E+00	0.00E+00	2.45E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	3.90E-04
6535	ALL	488071.1	3611114	NonCancer	3.96E-04	1.35E-06	2.50E-04	0.00E+00	0.00E+00	2.50E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	3.96E-04
6536	ALL	488093	3611106	NonCancer	3.98E-04	1.35E-06	2.50E-04	0.00E+00	0.00E+00	2.50E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	3.98E-04
6537	ALL	488114.9	3611099	NonCancer	3.93E-04	1.34E-06	2.48E-04	0.00E+00	0.00E+00	2.48E-04	1.34E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	3.93E-04
6538	ALL	488136.8	3611091	NonCancer	3.83E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.83E-04
6539	ALL	488158.7	3611084	NonCancer	3.68E-04	1.25E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.68E-04
6540	ALL	488180.6	3611076	NonCancer	3.48E-04	1.18E-06	2.19E-04	0.00E+00	0.00E+00	2.19E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	3.48E-04
6541	ALL	488202.5	3611069	NonCancer	3.31E-04	1.12E-06	2.08E-04	0.00E+00	0.00E+00	2.08E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	3.31E-04
6542	ALL	488224.4	3611061	NonCancer	3.50E-04	1.19E-06	2.21E-04	0.00E+00	0.00E+00	2.21E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	3.50E-04
6543	ALL	488246.3	3611054	NonCancer	3.66E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.66E-04
6544	ALL	488268.2	3611046	NonCancer	3.78E-04	1.28E-06	2.38E-04	0.00E+00	0.00E+00	2.38E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	3.78E-04
6545	ALL	488290.1	3611039	NonCancer	3.84E-04	1.30E-06	2.42E-04	0.00E+00	0.00E+00	2.42E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	3.84E-04
6546	ALL	488312	3611031	NonCancer	3.85E-04	1.31E-06	2.42E-04	0.00E+00	0.00E+00	2.42E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	3.85E-04
6547	ALL	488333.9	3611024	NonCancer	3.80E-04	1.29E-06	2.39E-04	0.00E+00	0.00E+00	2.39E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	3.80E-04
6548	ALL	488355.8	3611016	NonCancer	3.71E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.71E-04
6549	ALL	488377.7	3611009	NonCancer	3.56E-04	1.21E-06	2.24E-04	0.00E+00	0.00E+00	2.24E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.56E-04
6550	ALL	488399.6	3611001	NonCancer	3.38E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.38E-04
6551	ALL	488421.5	3610994	NonCancer	3.16E-04	1.08E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.16E-04

6552	ALL	488443.4	3610986	NonCancer	2.92E-04	9.93E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.93E-07	0.00E+00	9.93E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.92E-04
6553	ALL	488465.3	3610979	NonCancer	2.66E-04	9.05E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.05E-07	0.00E+00	9.05E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.66E-04
6554	ALL	488487.2	3610971	NonCancer	2.46E-04	8.38E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.38E-07	0.00E+00	8.38E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.46E-04
6555	ALL	488509.1	3610964	NonCancer	2.36E-04	8.02E-07	1.48E-04	0.00E+00	0.00E+00	1.48E-04	8.02E-07	0.00E+00	8.02E-07	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	2.36E-04
6556	ALL	488531	3610956	NonCancer	2.35E-04	7.99E-07	1.48E-04	0.00E+00	0.00E+00	1.48E-04	7.99E-07	0.00E+00	7.99E-07	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	2.35E-04
6557	ALL	488552.9	3610949	NonCancer	2.56E-04	8.70E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.70E-07	0.00E+00	8.70E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.56E-04
6558	ALL	488574.8	3610941	NonCancer	2.75E-04	9.35E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.35E-07	0.00E+00	9.35E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.75E-04
6559	ALL	488596.7	3610934	NonCancer	2.92E-04	9.94E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.94E-07	0.00E+00	9.94E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.92E-04
6560	ALL	488618.6	3610926	NonCancer	3.07E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.07E-04
6561	ALL	488640.5	3610919	NonCancer	3.18E-04	1.08E-06	2.00E-04	0.00E+00	0.00E+00	2.00E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	3.18E-04
6562	ALL	488662.4	3610911	NonCancer	3.25E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.25E-04
6563	ALL	488684.3	3610904	NonCancer	3.29E-04	1.12E-06	2.07E-04	0.00E+00	0.00E+00	2.07E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	3.29E-04
6564	ALL	488706.3	3610896	NonCancer	3.28E-04	1.12E-06	2.07E-04	0.00E+00	0.00E+00	2.07E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	3.28E-04
6565	ALL	488728.2	3610889	NonCancer	3.31E-04	1.13E-06	2.08E-04	0.00E+00	0.00E+00	2.08E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	3.31E-04
6566	ALL	488750.1	3610881	NonCancer	3.33E-04	1.13E-06	2.10E-04	0.00E+00	0.00E+00	2.10E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	3.33E-04
6567	ALL	488772	3610874	NonCancer	3.31E-04	1.12E-06	2.08E-04	0.00E+00	0.00E+00	2.08E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	3.31E-04
6568	ALL	488793.9	3610866	NonCancer	3.25E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.25E-04
6569	ALL	488815.8	3610859	NonCancer	3.15E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.15E-04
6570	ALL	488837.7	3610851	NonCancer	3.02E-04	1.03E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.02E-04
6571	ALL	488859.6	3610844	NonCancer	2.86E-04	9.71E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.71E-07	0.00E+00	9.71E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.86E-04
6572	ALL	488881.5	3610836	NonCancer	2.67E-04	9.09E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.09E-07	0.00E+00	9.09E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.67E-04
6573	ALL	488903.4	3610829	NonCancer	2.47E-04	8.41E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.41E-07	0.00E+00	8.41E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.47E-04
6574	ALL	488925.3	3610821	NonCancer	2.26E-04	7.69E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.69E-07	0.00E+00	7.69E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.26E-04
6575	ALL	488947.2	3610814	NonCancer	2.21E-04	7.51E-07	1.39E-04	0.00E+00	0.00E+00	1.39E-04	7.51E-07	0.00E+00	7.51E-07	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	2.21E-04
6576	ALL	488969.1	3610806	NonCancer	2.23E-04	7.58E-07	1.40E-04	0.00E+00	0.00E+00	1.40E-04	7.58E-07	0.00E+00	7.58E-07	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	2.23E-04
6577	ALL	488991	3610799	NonCancer	2.23E-04	7.58E-07	1.40E-04	0.00E+00	0.00E+00	1.40E-04	7.58E-07	0.00E+00	7.58E-07	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	2.23E-04
6578	ALL	489012.9	3610791	NonCancer	2.23E-04	7.59E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.59E-07	0.00E+00	7.59E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.23E-04
6579	ALL	489034.8	3610784	NonCancer	2.34E-04	7.94E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.94E-07	0.00E+00	7.94E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.34E-04
6580	ALL	489056.7	3610776	NonCancer	2.48E-04	8.44E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.44E-07	0.00E+00	8.44E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
6581	ALL	489078.6	3610769	NonCancer	2.60E-04	8.86E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.86E-07	0.00E+00	8.86E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.60E-04
6582	ALL	489100.5	3610761	NonCancer	2.70E-04	9.19E-07	1.70E-04	0.00E+00	0.00E+00	1.70E-04	9.19E-07	0.00E+00	9.19E-07	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	2.70E-04
6583	ALL	489122.4	3610754	NonCancer	2.77E-04	9.42E-07	1.74E-04	0.00E+00	0.00E+00	1.74E-04	9.42E-07	0.00E+00	9.42E-07	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	2.77E-04
6584	ALL	489144.3	3610746	NonCancer	2.81E-04	9.55E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.55E-07	0.00E+00	9.55E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.81E-04
6585	ALL	489166.2	3610739	NonCancer	2.84E-04	9.65E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.65E-07	0.00E+00	9.65E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.84E-04
6586	ALL	489188.1	3610731	NonCancer	2.90E-04	9.87E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.87E-07	0.00E+00	9.87E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.90E-04
6587	ALL	489210	3610724	NonCancer	2.93E-04	9.98E-07	1.85E-04	0.00E+00	0.00E+00	1.85E-04	9.98E-07	0.00E+00	9.98E-07	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.93E-04
6588	ALL	485694.3	3613735	NonCancer	2.52E-04	8.56E-07	1.59E-04	0.00E+00	0.00E+00	1.59E-04	8.56E-07	0.00E+00	8.56E-07	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	2.52E-04
6589	ALL	485691.8	3613758	NonCancer	2.53E-04	8.60E-07	1.59E-04	0.00E+00	0.00E+00	1.59E-04	8.60E-07	0.00E+00	8.60E-07	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	2.53E-04
6590	ALL	485689.2	3613781	NonCancer	2.51E-04	8.54E-07	1.58E-04	0.00E+00	0.00E+00	1.58E-04	8.54E-07	0.00E+00	8.54E-07	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	2.51E-04
6591	ALL	485686.6	3613804	NonCancer	2.47E-04	8.39E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.39E-07	0.00E+00	8.39E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.47E-04
6592	ALL	485684	3613827	NonCancer	2.40E-04	8.15E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.15E-07	0.00E+00	8.15E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04
6593	ALL	485681.4	3613850	NonCancer	2.30E-04	7.82E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.82E-07	0.00E+00	7.82E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
6594	ALL	485678.8	3613873	NonCancer	2.19E-04	7.43E-07	1.38E-04	0.00E+00	0.00E+00	1.38E-04	7.43E-07	0.00E+00	7.43E-07	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	2.19E-04
6595	ALL	485676.2	3613896	NonCancer	2.05E-04	6.98E-07	1.29E-04	0.00E+00	0.00E+00	1.29E-04	6.98E-07	0.00E+00	6.98E-07	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	2.05E-04
6596	ALL	485673.6	3613920	NonCancer	2.15E-04	7.31E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.31E-07	0.00E+00	7.31E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.15E-04
6597	ALL	485307.7	3613670	NonCancer	2.15E-04	7.32E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.32E-07	0.00E+00	7.32E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.15E-04
6598	ALL	485318.5	3613649	NonCancer	2.12E-04	7.22E-07	1.34E-04	0.00E+00	0.00E+00	1.34E-04	7.22E-07	0.00E+00	7.22E-07	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	2.12E-04
6599	ALL	485329.3	3613629	NonCancer	2.08E-04	7.07E-07	1.31E-04	0.00E+00	0.00E+00	1.31E-04	7.07E-07	0.00E+00	7.07E-07	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	2.08E-04
6600	ALL	485340.1	3613609	NonCancer	2.02E-04	6.86E-07	1.27E-04	0.00E+00	0.00E+00	1.27E-04	6.86E-07	0.00E+00	6.86E-07	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	2.02E-04
6601	ALL	485351	3613588	NonCancer	1.94E-04	6.59E-07	1.22E-04	0.00E+00	0.00E+00	1.22E-04	6.59E-07	0.00E+00	6.59E-07	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	1.94E-04
6602	ALL	485361.8	3613568	NonCancer	1.94E-04	6.59E-07	1.22E-04	0.00E+00	0.00E+00	1.22E-04	6.59E-07	0.00E+00	6.59E-07	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	1.94E-04
6603	ALL	485372.6	3613547	NonCancer	2.04E-04	6.93E-07	1.28E-04	0.00E+00	0.00E+00	1.28E-04	6.93E-07	0.00E+00	6.93E-07	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	2.04E-04

6604	ALL	485383.4	3613527	NonCancer	2.12E-04	7.22E-07	1.34E-04	0.00E+00	0.00E+00	1.34E-04	7.22E-07	0.00E+00	7.22E-07	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	2.12E-04
6605	ALL	485394.3	3613507	NonCancer	2.20E-04	7.47E-07	1.38E-04	0.00E+00	0.00E+00	1.38E-04	7.47E-07	0.00E+00	7.47E-07	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	2.20E-04
6606	ALL	485405.1	3613486	NonCancer	2.25E-04	7.65E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.65E-07	0.00E+00	7.65E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.25E-04
6607	ALL	485415.9	3613466	NonCancer	2.28E-04	7.76E-07	1.44E-04	0.00E+00	0.00E+00	1.44E-04	7.76E-07	0.00E+00	7.76E-07	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	2.28E-04
6608	ALL	485426.7	3613445	NonCancer	2.30E-04	7.81E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.81E-07	0.00E+00	7.81E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
6609	ALL	485437.6	3613425	NonCancer	2.29E-04	7.78E-07	1.44E-04	0.00E+00	0.00E+00	1.44E-04	7.78E-07	0.00E+00	7.78E-07	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	2.29E-04
6610	ALL	485448.4	3613405	NonCancer	2.26E-04	7.69E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.69E-07	0.00E+00	7.69E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.26E-04
6611	ALL	485459.2	3613384	NonCancer	2.33E-04	7.93E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.93E-07	0.00E+00	7.93E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.33E-04
6612	ALL	485470.1	3613364	NonCancer	2.45E-04	8.32E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.32E-07	0.00E+00	8.32E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.45E-04
6613	ALL	485480.9	3613343	NonCancer	2.54E-04	8.63E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.63E-07	0.00E+00	8.63E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.54E-04
6614	ALL	485491.7	3613323	NonCancer	2.61E-04	8.87E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.87E-07	0.00E+00	8.87E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.61E-04
6615	ALL	485502.5	3613303	NonCancer	2.66E-04	9.04E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.04E-07	0.00E+00	9.04E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.66E-04
6616	ALL	485513.4	3613282	NonCancer	2.69E-04	9.15E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.15E-07	0.00E+00	9.15E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.69E-04
6617	ALL	485524.2	3613262	NonCancer	2.69E-04	9.15E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.15E-07	0.00E+00	9.15E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.69E-04
6618	ALL	485535	3613241	NonCancer	2.75E-04	9.36E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.36E-07	0.00E+00	9.36E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.75E-04
6619	ALL	485545.8	3613221	NonCancer	2.89E-04	9.82E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.82E-07	0.00E+00	9.82E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.89E-04
6620	ALL	485556.7	3613201	NonCancer	2.99E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	2.99E-04
6621	ALL	485567.5	3613180	NonCancer	3.07E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.07E-04
6622	ALL	485578.3	3613160	NonCancer	3.11E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.11E-04
6623	ALL	485589.2	3613139	NonCancer	3.12E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.12E-04
6624	ALL	485600	3613119	NonCancer	3.09E-04	1.05E-06	1.95E-04	0.00E+00	0.00E+00	1.95E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	3.09E-04
6625	ALL	485610.8	3613099	NonCancer	3.03E-04	1.03E-06	1.91E-04	0.00E+00	0.00E+00	1.91E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	3.03E-04
6626	ALL	485621.6	3613078	NonCancer	2.94E-04	9.99E-07	1.85E-04	0.00E+00	0.00E+00	1.85E-04	9.99E-07	0.00E+00	9.99E-07	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.94E-04
6627	ALL	485632.5	3613058	NonCancer	2.81E-04	9.57E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.57E-07	0.00E+00	9.57E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.81E-04
6628	ALL	485643.3	3613037	NonCancer	2.66E-04	9.06E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.06E-07	0.00E+00	9.06E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.66E-04
6629	ALL	485654.1	3613017	NonCancer	2.49E-04	8.48E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.48E-07	0.00E+00	8.48E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.49E-04
6630	ALL	485664.9	3612997	NonCancer	2.48E-04	8.44E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.44E-07	0.00E+00	8.44E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
6631	ALL	485675.8	3612976	NonCancer	2.58E-04	8.76E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.76E-07	0.00E+00	8.76E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.58E-04
6632	ALL	485686.6	3612956	NonCancer	2.65E-04	9.00E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.00E-07	0.00E+00	9.00E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.65E-04
6633	ALL	485697.4	3612935	NonCancer	2.69E-04	9.15E-07	1.70E-04	0.00E+00	0.00E+00	1.70E-04	9.15E-07	0.00E+00	9.15E-07	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	2.69E-04
6634	ALL	485708.2	3612915	NonCancer	2.71E-04	9.21E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.21E-07	0.00E+00	9.21E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.71E-04
6635	ALL	485719.1	3612895	NonCancer	2.81E-04	9.56E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.56E-07	0.00E+00	9.56E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.81E-04
6636	ALL	485729.9	3612874	NonCancer	2.95E-04	1.00E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.95E-04
6637	ALL	485740.7	3612854	NonCancer	3.06E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.06E-04
6638	ALL	485751.6	3612833	NonCancer	3.14E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.14E-04
6639	ALL	485762.4	3612813	NonCancer	3.19E-04	1.08E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
6640	ALL	485773.2	3612793	NonCancer	3.19E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
6641	ALL	485784	3612772	NonCancer	3.16E-04	1.07E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.16E-04
6642	ALL	485794.9	3612752	NonCancer	3.09E-04	1.05E-06	1.95E-04	0.00E+00	0.00E+00	1.95E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	3.09E-04
6643	ALL	485805.7	3612731	NonCancer	2.99E-04	1.02E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.99E-04
6644	ALL	485816.5	3612711	NonCancer	2.86E-04	9.72E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.72E-07	0.00E+00	9.72E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.86E-04
6645	ALL	485827.3	3612691	NonCancer	2.70E-04	9.17E-07	1.70E-04	0.00E+00	0.00E+00	1.70E-04	9.17E-07	0.00E+00	9.17E-07	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	2.70E-04
6646	ALL	485838.2	3612670	NonCancer	2.52E-04	8.56E-07	1.59E-04	0.00E+00	0.00E+00	1.59E-04	8.56E-07	0.00E+00	8.56E-07	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	2.52E-04
6647	ALL	485849	3612650	NonCancer	2.47E-04	8.39E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.39E-07	0.00E+00	8.39E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.47E-04
6648	ALL	485859.8	3612629	NonCancer	2.56E-04	8.72E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.72E-07	0.00E+00	8.72E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.56E-04
6649	ALL	485870.6	3612609	NonCancer	2.63E-04	8.95E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.95E-07	0.00E+00	8.95E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.63E-04
6650	ALL	485881.5	3612589	NonCancer	2.67E-04	9.09E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.09E-07	0.00E+00	9.09E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.67E-04
6651	ALL	485892.3	3612568	NonCancer	2.68E-04	9.11E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.11E-07	0.00E+00	9.11E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.68E-04
6652	ALL	485903.1	3612548	NonCancer	2.66E-04	9.03E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.03E-07	0.00E+00	9.03E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.66E-04
6653	ALL	485914	3612527	NonCancer	2.60E-04	8.85E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.85E-07	0.00E+00	8.85E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.60E-04
6654	ALL	485924.8	3612507	NonCancer	2.52E-04	8.57E-07	1.59E-04	0.00E+00	0.00E+00	1.59E-04	8.57E-07	0.00E+00	8.57E-07	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	2.52E-04
6655	ALL	485935.6	3612487	NonCancer	2.41E-04	8.20E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.20E-07	0.00E+00	8.20E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.41E-04

6656	ALL	485946.4	3612466	NonCancer	2.28E-04	7.75E-07	1.43E-04	0.00E+00	0.00E+00	1.43E-04	7.75E-07	0.00E+00	7.75E-07	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	2.28E-04
6657	ALL	485957.3	3612446	NonCancer	2.27E-04	7.72E-07	1.43E-04	0.00E+00	0.00E+00	1.43E-04	7.72E-07	0.00E+00	7.72E-07	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	2.27E-04
6658	ALL	485968.1	3612425	NonCancer	2.38E-04	8.09E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04	8.09E-07	0.00E+00	8.09E-07	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	2.38E-04
6659	ALL	485978.9	3612405	NonCancer	2.47E-04	8.39E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.39E-07	0.00E+00	8.39E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.47E-04
6660	ALL	485989.7	3612385	NonCancer	2.53E-04	8.60E-07	1.59E-04	0.00E+00	0.00E+00	1.59E-04	8.60E-07	0.00E+00	8.60E-07	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	2.53E-04
6661	ALL	486000.6	3612364	NonCancer	2.57E-04	8.73E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.73E-07	0.00E+00	8.73E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.57E-04
6662	ALL	486011.4	3612344	NonCancer	2.58E-04	8.76E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.76E-07	0.00E+00	8.76E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.58E-04
6663	ALL	486022.2	3612323	NonCancer	2.56E-04	8.69E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.69E-07	0.00E+00	8.69E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.56E-04
6664	ALL	486033	3612303	NonCancer	2.51E-04	8.54E-07	1.58E-04	0.00E+00	0.00E+00	1.58E-04	8.54E-07	0.00E+00	8.54E-07	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	2.51E-04
6665	ALL	486043.9	3612283	NonCancer	2.44E-04	8.29E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.29E-07	0.00E+00	8.29E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.44E-04
6666	ALL	486054.7	3612262	NonCancer	2.44E-04	8.30E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.30E-07	0.00E+00	8.30E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.44E-04
6667	ALL	486065.5	3612242	NonCancer	2.54E-04	8.65E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.65E-07	0.00E+00	8.65E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.54E-04
6668	ALL	486076.4	3612221	NonCancer	2.62E-04	8.91E-07	1.65E-04	0.00E+00	0.00E+00	1.65E-04	8.91E-07	0.00E+00	8.91E-07	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	2.62E-04
6669	ALL	486087.2	3612201	NonCancer	2.67E-04	9.08E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.08E-07	0.00E+00	9.08E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.67E-04
6670	ALL	486098	3612181	NonCancer	2.69E-04	9.15E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.15E-07	0.00E+00	9.15E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.69E-04
6671	ALL	486108.8	3612160	NonCancer	2.68E-04	9.12E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.12E-07	0.00E+00	9.12E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.68E-04
6672	ALL	486119.7	3612140	NonCancer	2.64E-04	8.98E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.98E-07	0.00E+00	8.98E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.64E-04
6673	ALL	486130.5	3612119	NonCancer	2.57E-04	8.75E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.75E-07	0.00E+00	8.75E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.57E-04
6674	ALL	486141.3	3612099	NonCancer	2.48E-04	8.43E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.43E-07	0.00E+00	8.43E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
6675	ALL	486152.1	3612079	NonCancer	2.36E-04	8.03E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.03E-07	0.00E+00	8.03E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.36E-04
6676	ALL	486163	3612058	NonCancer	2.28E-04	7.76E-07	1.44E-04	0.00E+00	0.00E+00	1.44E-04	7.76E-07	0.00E+00	7.76E-07	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	2.28E-04
6677	ALL	486173.8	3612038	NonCancer	2.33E-04	7.93E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.93E-07	0.00E+00	7.93E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.33E-04
6678	ALL	486184.6	3612017	NonCancer	2.36E-04	8.02E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.02E-07	0.00E+00	8.02E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.36E-04
6679	ALL	486195.4	3611997	NonCancer	2.36E-04	8.03E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.03E-07	0.00E+00	8.03E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.36E-04
6680	ALL	486206.3	3611977	NonCancer	2.34E-04	7.95E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.95E-07	0.00E+00	7.95E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.34E-04
6681	ALL	486217.1	3611956	NonCancer	2.30E-04	7.80E-07	1.44E-04	0.00E+00	0.00E+00	1.44E-04	7.80E-07	0.00E+00	7.80E-07	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	2.30E-04
6682	ALL	486227.9	3611936	NonCancer	2.23E-04	7.58E-07	1.40E-04	0.00E+00	0.00E+00	1.40E-04	7.58E-07	0.00E+00	7.58E-07	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	2.23E-04
6683	ALL	486238.8	3611915	NonCancer	2.44E-04	8.31E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.31E-07	0.00E+00	8.31E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.44E-04
6684	ALL	486249.6	3611895	NonCancer	2.65E-04	9.01E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.01E-07	0.00E+00	9.01E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.65E-04
6685	ALL	486260.4	3611875	NonCancer	2.84E-04	9.64E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.64E-07	0.00E+00	9.64E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.84E-04
6686	ALL	486271.2	3611854	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
6687	ALL	486282.1	3611834	NonCancer	3.13E-04	1.07E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.13E-04
6688	ALL	486292.9	3611813	NonCancer	3.23E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.23E-04
6689	ALL	486303.7	3611793	NonCancer	3.30E-04	1.12E-06	2.08E-04	0.00E+00	0.00E+00	2.08E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	3.30E-04
6690	ALL	486314.5	3611773	NonCancer	3.32E-04	1.13E-06	2.09E-04	0.00E+00	0.00E+00	2.09E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.32E-04
6691	ALL	486325.4	3611752	NonCancer	3.31E-04	1.12E-06	2.08E-04	0.00E+00	0.00E+00	2.08E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	3.31E-04
6692	ALL	486336.2	3611732	NonCancer	3.25E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.25E-04
6693	ALL	486347	3611712	NonCancer	3.16E-04	1.07E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.16E-04
6694	ALL	486357.8	3611691	NonCancer	3.04E-04	1.03E-06	1.91E-04	0.00E+00	0.00E+00	1.91E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	3.04E-04
6695	ALL	486368.7	3611671	NonCancer	2.88E-04	9.80E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.80E-07	0.00E+00	9.80E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.88E-04
6696	ALL	486379.5	3611650	NonCancer	2.71E-04	9.20E-07	1.70E-04	0.00E+00	0.00E+00	1.70E-04	9.20E-07	0.00E+00	9.20E-07	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	2.71E-04
6697	ALL	486390.3	3611630	NonCancer	2.51E-04	8.53E-07	1.58E-04	0.00E+00	0.00E+00	1.58E-04	8.53E-07	0.00E+00	8.53E-07	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	2.51E-04
6698	ALL	486401.2	3611610	NonCancer	2.30E-04	7.83E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.83E-07	0.00E+00	7.83E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
6699	ALL	486412	3611589	NonCancer	2.09E-04	7.10E-07	1.31E-04	0.00E+00	0.00E+00	1.31E-04	7.10E-07	0.00E+00	7.10E-07	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	2.09E-04
6700	ALL	486422.8	3611569	NonCancer	1.87E-04	6.37E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.37E-07	0.00E+00	6.37E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.87E-04
6701	ALL	486433.6	3611548	NonCancer	1.67E-04	5.68E-07	1.05E-04	0.00E+00	0.00E+00	1.05E-04	5.68E-07	0.00E+00	5.68E-07	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.67E-04
6702	ALL	486444.5	3611528	NonCancer	1.67E-04	5.69E-07	1.05E-04	0.00E+00	0.00E+00	1.05E-04	5.69E-07	0.00E+00	5.69E-07	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.67E-04
6703	ALL	486455.3	3611508	NonCancer	1.67E-04	5.67E-07	1.05E-04	0.00E+00	0.00E+00	1.05E-04	5.67E-07	0.00E+00	5.67E-07	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.67E-04
6704	ALL	486466.1	3611487	NonCancer	1.73E-04	5.88E-07	1.09E-04	0.00E+00	0.00E+00	1.09E-04	5.88E-07	0.00E+00	5.88E-07	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	1.73E-04
6705	ALL	486476.9	3611467	NonCancer	1.83E-04	6.22E-07	1.15E-04	0.00E+00	0.00E+00	1.15E-04	6.22E-07	0.00E+00	6.22E-07	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	1.83E-04
6706	ALL	486487.8	3611446	NonCancer	1.92E-04	6.52E-07	1.21E-04	0.00E+00	0.00E+00	1.21E-04	6.52E-07	0.00E+00	6.52E-07	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.92E-04
6707	ALL	486498.6	3611426	NonCancer	1.99E-04	6.77E-07	1.25E-04	0.00E+00	0.00E+00	1.25E-04	6.77E-07	0.00E+00	6.77E-07	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	1.99E-04

6708	ALL	486509.4	3611406	NonCancer	2.05E-04	6.98E-07	1.29E-04	0.00E+00	0.00E+00	1.29E-04	6.98E-07	0.00E+00	6.98E-07	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	2.05E-04
6709	ALL	486520.2	3611385	NonCancer	2.10E-04	7.14E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.14E-07	0.00E+00	7.14E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.10E-04
6710	ALL	486531.1	3611365	NonCancer	2.13E-04	7.24E-07	1.34E-04	0.00E+00	0.00E+00	1.34E-04	7.24E-07	0.00E+00	7.24E-07	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	2.13E-04
6711	ALL	486541.9	3611344	NonCancer	2.14E-04	7.27E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.27E-07	0.00E+00	7.27E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.14E-04
6712	ALL	486552.7	3611324	NonCancer	2.26E-04	7.67E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.67E-07	0.00E+00	7.67E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.26E-04
6713	ALL	486563.6	3611304	NonCancer	2.36E-04	8.03E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.03E-07	0.00E+00	8.03E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.36E-04
6714	ALL	486574.4	3611283	NonCancer	2.45E-04	8.33E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.33E-07	0.00E+00	8.33E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.45E-04
6715	ALL	486585.2	3611263	NonCancer	2.52E-04	8.56E-07	1.58E-04	0.00E+00	0.00E+00	1.58E-04	8.56E-07	0.00E+00	8.56E-07	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	2.52E-04
6716	ALL	486596	3611242	NonCancer	2.56E-04	8.71E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.71E-07	0.00E+00	8.71E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.56E-04
6717	ALL	486628.7	3611214	NonCancer	2.65E-04	9.00E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.00E-07	0.00E+00	9.00E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.65E-04
6718	ALL	486650.6	3611207	NonCancer	2.72E-04	9.25E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.25E-07	0.00E+00	9.25E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.72E-04
6719	ALL	486672.4	3611200	NonCancer	2.84E-04	9.65E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.65E-07	0.00E+00	9.65E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.84E-04
6720	ALL	486694.3	3611192	NonCancer	2.96E-04	1.01E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.96E-04
6721	ALL	486716.1	3611185	NonCancer	3.06E-04	1.04E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.06E-04
6722	ALL	486738	3611177	NonCancer	3.12E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.12E-04
6723	ALL	486759.8	3611170	NonCancer	3.15E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.15E-04
6724	ALL	486781.7	3611162	NonCancer	3.15E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.15E-04
6725	ALL	486803.5	3611155	NonCancer	3.11E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.11E-04
6726	ALL	486825.3	3611147	NonCancer	3.10E-04	1.06E-06	1.95E-04	0.00E+00	0.00E+00	1.95E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	3.10E-04
6727	ALL	486847.2	3611140	NonCancer	3.10E-04	1.05E-06	1.95E-04	0.00E+00	0.00E+00	1.95E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	3.10E-04
6728	ALL	486869	3611132	NonCancer	3.06E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.06E-04
6729	ALL	486890.9	3611125	NonCancer	2.99E-04	1.02E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.99E-04
6730	ALL	486912.7	3611117	NonCancer	2.90E-04	9.87E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.87E-07	0.00E+00	9.87E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.90E-04
6731	ALL	486934.6	3611110	NonCancer	2.88E-04	9.78E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.78E-07	0.00E+00	9.78E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.88E-04
6732	ALL	486956.4	3611102	NonCancer	2.82E-04	9.60E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.60E-07	0.00E+00	9.60E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.82E-04
6733	ALL	486978.3	3611095	NonCancer	2.92E-04	9.92E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.92E-07	0.00E+00	9.92E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.92E-04
6734	ALL	487000.1	3611087	NonCancer	2.98E-04	1.01E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.98E-04
6735	ALL	487022	3611080	NonCancer	3.02E-04	1.03E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.02E-04
6736	ALL	487043.8	3611072	NonCancer	3.02E-04	1.03E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.02E-04
6737	ALL	487065.7	3611065	NonCancer	3.05E-04	1.04E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.05E-04
6738	ALL	487087.5	3611057	NonCancer	3.09E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.09E-04
6739	ALL	487109.4	3611050	NonCancer	3.09E-04	1.05E-06	1.95E-04	0.00E+00	0.00E+00	1.95E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	3.09E-04
6740	ALL	487131.2	3611042	NonCancer	3.05E-04	1.04E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.05E-04
6741	ALL	487153.1	3611035	NonCancer	2.98E-04	1.01E-06	1.87E-04	0.00E+00	0.00E+00	1.87E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	2.98E-04
6742	ALL	487174.9	3611027	NonCancer	2.87E-04	9.75E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.75E-07	0.00E+00	9.75E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.87E-04
6743	ALL	487196.8	3611020	NonCancer	2.73E-04	9.27E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.27E-07	0.00E+00	9.27E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.73E-04
6744	ALL	487218.6	3611013	NonCancer	2.56E-04	8.70E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.70E-07	0.00E+00	8.70E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.56E-04
6745	ALL	487240.5	3611005	NonCancer	2.47E-04	8.39E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.39E-07	0.00E+00	8.39E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.47E-04
6746	ALL	487262.3	3610998	NonCancer	2.44E-04	8.30E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.30E-07	0.00E+00	8.30E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.44E-04
6747	ALL	487284.2	3610990	NonCancer	2.39E-04	8.12E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04	8.12E-07	0.00E+00	8.12E-07	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	2.39E-04
6748	ALL	487306	3610983	NonCancer	2.31E-04	7.85E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.85E-07	0.00E+00	7.85E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.31E-04
6749	ALL	487327.9	3610975	NonCancer	2.23E-04	7.58E-07	1.40E-04	0.00E+00	0.00E+00	1.40E-04	7.58E-07	0.00E+00	7.58E-07	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	2.23E-04
6750	ALL	487349.7	3610968	NonCancer	2.24E-04	7.62E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.62E-07	0.00E+00	7.62E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.24E-04
6751	ALL	487371.6	3610960	NonCancer	2.37E-04	8.06E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.06E-07	0.00E+00	8.06E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.37E-04
6752	ALL	487393.4	3610953	NonCancer	2.48E-04	8.44E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.44E-07	0.00E+00	8.44E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
6753	ALL	487415.3	3610945	NonCancer	2.57E-04	8.75E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.75E-07	0.00E+00	8.75E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.57E-04
6754	ALL	487437.1	3610938	NonCancer	2.64E-04	8.97E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.97E-07	0.00E+00	8.97E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.64E-04
6755	ALL	487459	3610930	NonCancer	2.68E-04	9.10E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.10E-07	0.00E+00	9.10E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.68E-04
6756	ALL	487480.8	3610923	NonCancer	2.69E-04	9.14E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.14E-07	0.00E+00	9.14E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.69E-04
6757	ALL	487502.7	3610915	NonCancer	2.68E-04	9.11E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.11E-07	0.00E+00	9.11E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.68E-04
6758	ALL	487524.5	3610908	NonCancer	2.72E-04	9.24E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.24E-07	0.00E+00	9.24E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.72E-04
6759	ALL	487546.4	3610900	NonCancer	2.72E-04	9.26E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.26E-07	0.00E+00	9.26E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.72E-04

6760	ALL	487568.2	3610893	NonCancer	2.70E-04	9.16E-07	1.70E-04	0.00E+00	0.00E+00	1.70E-04	9.16E-07	0.00E+00	9.16E-07	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	2.70E-04
6761	ALL	487590.1	3610885	NonCancer	2.64E-04	8.96E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.96E-07	0.00E+00	8.96E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.64E-04
6762	ALL	487611.9	3610878	NonCancer	2.55E-04	8.66E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.66E-07	0.00E+00	8.66E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.55E-04
6763	ALL	487633.8	3610870	NonCancer	2.43E-04	8.26E-07	1.53E-04	0.00E+00	0.00E+00	1.53E-04	8.26E-07	0.00E+00	8.26E-07	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	2.43E-04
6764	ALL	487655.6	3610863	NonCancer	2.29E-04	7.79E-07	1.44E-04	0.00E+00	0.00E+00	1.44E-04	7.79E-07	0.00E+00	7.79E-07	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	2.29E-04
6765	ALL	487677.5	3610855	NonCancer	2.13E-04	7.25E-07	1.34E-04	0.00E+00	0.00E+00	1.34E-04	7.25E-07	0.00E+00	7.25E-07	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	2.13E-04
6766	ALL	487699.3	3610848	NonCancer	2.09E-04	7.12E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.12E-07	0.00E+00	7.12E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.09E-04
6767	ALL	487721.1	3610840	NonCancer	2.16E-04	7.36E-07	1.36E-04	0.00E+00	0.00E+00	1.36E-04	7.36E-07	0.00E+00	7.36E-07	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	2.16E-04
6768	ALL	487743	3610833	NonCancer	2.22E-04	7.54E-07	1.40E-04	0.00E+00	0.00E+00	1.40E-04	7.54E-07	0.00E+00	7.54E-07	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	2.22E-04
6769	ALL	487764.8	3610826	NonCancer	2.25E-04	7.64E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.64E-07	0.00E+00	7.64E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.25E-04
6770	ALL	487786.7	3610818	NonCancer	2.26E-04	7.67E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.67E-07	0.00E+00	7.67E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.26E-04
6771	ALL	487808.5	3610811	NonCancer	2.48E-04	8.42E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.42E-07	0.00E+00	8.42E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
6772	ALL	487830.4	3610803	NonCancer	2.69E-04	9.14E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.14E-07	0.00E+00	9.14E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.69E-04
6773	ALL	487852.2	3610796	NonCancer	2.88E-04	9.81E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.81E-07	0.00E+00	9.81E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.88E-04
6774	ALL	487874.1	3610788	NonCancer	3.06E-04	1.04E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.06E-04
6775	ALL	487895.9	3610781	NonCancer	3.20E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.20E-04
6776	ALL	487917.8	3610773	NonCancer	3.31E-04	1.13E-06	2.08E-04	0.00E+00	0.00E+00	2.08E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	3.31E-04
6777	ALL	487939.6	3610766	NonCancer	3.38E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.38E-04
6778	ALL	487961.5	3610758	NonCancer	3.41E-04	1.16E-06	2.15E-04	0.00E+00	0.00E+00	2.15E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.41E-04
6779	ALL	487983.3	3610751	NonCancer	3.40E-04	1.15E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.40E-04
6780	ALL	488005.2	3610743	NonCancer	3.34E-04	1.14E-06	2.10E-04	0.00E+00	0.00E+00	2.10E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	3.34E-04
6781	ALL	488027	3610736	NonCancer	3.25E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.25E-04
6782	ALL	488048.9	3610728	NonCancer	3.11E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.11E-04
6783	ALL	488070.7	3610721	NonCancer	2.95E-04	1.00E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.95E-04
6784	ALL	488092.6	3610713	NonCancer	2.79E-04	9.48E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.48E-07	0.00E+00	9.48E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.79E-04
6785	ALL	488114.4	3610706	NonCancer	2.95E-04	1.00E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.95E-04
6786	ALL	488136.3	3610698	NonCancer	3.09E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.09E-04
6787	ALL	488158.1	3610691	NonCancer	3.19E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
6788	ALL	488180	3610683	NonCancer	3.26E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.26E-04
6789	ALL	488201.8	3610676	NonCancer	3.29E-04	1.12E-06	2.07E-04	0.00E+00	0.00E+00	2.07E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	3.29E-04
6790	ALL	488223.7	3610668	NonCancer	3.28E-04	1.12E-06	2.07E-04	0.00E+00	0.00E+00	2.07E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	3.28E-04
6791	ALL	488245.5	3610661	NonCancer	3.24E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.24E-04
6792	ALL	488267.4	3610653	NonCancer	3.15E-04	1.07E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.15E-04
6793	ALL	488289.2	3610646	NonCancer	3.04E-04	1.03E-06	1.91E-04	0.00E+00	0.00E+00	1.91E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	3.04E-04
6794	ALL	488311.1	3610639	NonCancer	2.89E-04	9.82E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.82E-07	0.00E+00	9.82E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.89E-04
6795	ALL	488332.9	3610631	NonCancer	2.72E-04	9.24E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.24E-07	0.00E+00	9.24E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.72E-04
6796	ALL	488354.8	3610624	NonCancer	2.53E-04	8.59E-07	1.59E-04	0.00E+00	0.00E+00	1.59E-04	8.59E-07	0.00E+00	8.59E-07	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	2.53E-04
6797	ALL	488376.6	3610616	NonCancer	2.32E-04	7.90E-07	1.46E-04	0.00E+00	0.00E+00	1.46E-04	7.90E-07	0.00E+00	7.90E-07	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	2.32E-04
6798	ALL	488398.5	3610609	NonCancer	2.14E-04	7.27E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.27E-07	0.00E+00	7.27E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.14E-04
6799	ALL	488420.3	3610601	NonCancer	2.06E-04	7.01E-07	1.30E-04	0.00E+00	0.00E+00	1.30E-04	7.01E-07	0.00E+00	7.01E-07	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	2.06E-04
6800	ALL	488442.2	3610594	NonCancer	1.98E-04	6.72E-07	1.24E-04	0.00E+00	0.00E+00	1.24E-04	6.72E-07	0.00E+00	6.72E-07	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	1.98E-04
6801	ALL	488464	3610586	NonCancer	2.00E-04	6.79E-07	1.26E-04	0.00E+00	0.00E+00	1.26E-04	6.79E-07	0.00E+00	6.79E-07	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	2.00E-04
6802	ALL	488485.9	3610579	NonCancer	2.16E-04	7.35E-07	1.36E-04	0.00E+00	0.00E+00	1.36E-04	7.35E-07	0.00E+00	7.35E-07	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	2.16E-04
6803	ALL	488507.7	3610571	NonCancer	2.32E-04	7.88E-07	1.46E-04	0.00E+00	0.00E+00	1.46E-04	7.88E-07	0.00E+00	7.88E-07	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	2.32E-04
6804	ALL	488529.6	3610564	NonCancer	2.46E-04	8.36E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.36E-07	0.00E+00	8.36E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.46E-04
6805	ALL	488551.4	3610556	NonCancer	2.58E-04	8.77E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.77E-07	0.00E+00	8.77E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.58E-04
6806	ALL	488573.3	3610549	NonCancer	2.68E-04	9.11E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.11E-07	0.00E+00	9.11E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.68E-04
6807	ALL	488595.1	3610541	NonCancer	2.75E-04	9.36E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.36E-07	0.00E+00	9.36E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.75E-04
6808	ALL	488616.9	3610534	NonCancer	2.80E-04	9.51E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.51E-07	0.00E+00	9.51E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.80E-04
6809	ALL	488638.8	3610526	NonCancer	2.81E-04	9.57E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.57E-07	0.00E+00	9.57E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.81E-04
6810	ALL	488660.6	3610519	NonCancer	2.80E-04	9.52E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.52E-07	0.00E+00	9.52E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.80E-04
6811	ALL	488682.5	3610511	NonCancer	2.84E-04	9.65E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.65E-07	0.00E+00	9.65E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.84E-04

6812	ALL	488704.3	3610504	NonCancer	2.85E-04	9.69E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.69E-07	0.00E+00	9.69E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.85E-04
6813	ALL	488726.2	3610496	NonCancer	2.83E-04	9.63E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.63E-07	0.00E+00	9.63E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.83E-04
6814	ALL	488748	3610489	NonCancer	2.79E-04	9.48E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.48E-07	0.00E+00	9.48E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.79E-04
6815	ALL	488769.9	3610481	NonCancer	2.71E-04	9.23E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.23E-07	0.00E+00	9.23E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.71E-04
6816	ALL	488791.7	3610474	NonCancer	2.62E-04	8.89E-07	1.65E-04	0.00E+00	0.00E+00	1.65E-04	8.89E-07	0.00E+00	8.89E-07	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	2.62E-04
6817	ALL	488813.6	3610467	NonCancer	2.49E-04	8.48E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.48E-07	0.00E+00	8.48E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.49E-04
6818	ALL	488835.4	3610459	NonCancer	2.35E-04	8.01E-07	1.48E-04	0.00E+00	0.00E+00	1.48E-04	8.01E-07	0.00E+00	8.01E-07	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	2.35E-04
6819	ALL	488857.3	3610452	NonCancer	2.20E-04	7.48E-07	1.39E-04	0.00E+00	0.00E+00	1.39E-04	7.48E-07	0.00E+00	7.48E-07	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	2.20E-04
6820	ALL	488879.1	3610444	NonCancer	2.04E-04	6.93E-07	1.28E-04	0.00E+00	0.00E+00	1.28E-04	6.93E-07	0.00E+00	6.93E-07	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	2.04E-04
6821	ALL	488901	3610437	NonCancer	1.87E-04	6.35E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.35E-07	0.00E+00	6.35E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.87E-04
6822	ALL	488922.8	3610429	NonCancer	1.88E-04	6.40E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.40E-07	0.00E+00	6.40E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.88E-04
6823	ALL	488944.7	3610422	NonCancer	1.90E-04	6.46E-07	1.20E-04	0.00E+00	0.00E+00	1.20E-04	6.46E-07	0.00E+00	6.46E-07	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	1.90E-04
6824	ALL	488966.5	3610414	NonCancer	1.90E-04	6.47E-07	1.20E-04	0.00E+00	0.00E+00	1.20E-04	6.47E-07	0.00E+00	6.47E-07	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	1.90E-04
6825	ALL	488988.4	3610407	NonCancer	1.90E-04	6.45E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.45E-07	0.00E+00	6.45E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.90E-04
6826	ALL	489010.2	3610399	NonCancer	1.92E-04	6.52E-07	1.21E-04	0.00E+00	0.00E+00	1.21E-04	6.52E-07	0.00E+00	6.52E-07	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.92E-04
6827	ALL	489032.1	3610392	NonCancer	2.04E-04	6.95E-07	1.29E-04	0.00E+00	0.00E+00	1.29E-04	6.95E-07	0.00E+00	6.95E-07	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	2.04E-04
6828	ALL	489053.9	3610384	NonCancer	2.15E-04	7.33E-07	1.36E-04	0.00E+00	0.00E+00	1.36E-04	7.33E-07	0.00E+00	7.33E-07	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	2.15E-04
6829	ALL	489075.8	3610377	NonCancer	2.25E-04	7.65E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.65E-07	0.00E+00	7.65E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.25E-04
6830	ALL	489097.6	3610369	NonCancer	2.32E-04	7.90E-07	1.46E-04	0.00E+00	0.00E+00	1.46E-04	7.90E-07	0.00E+00	7.90E-07	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	2.32E-04
6831	ALL	489119.5	3610362	NonCancer	2.38E-04	8.09E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04	8.09E-07	0.00E+00	8.09E-07	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	2.38E-04
6832	ALL	489141.3	3610354	NonCancer	2.41E-04	8.19E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.19E-07	0.00E+00	8.19E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.41E-04
6833	ALL	489163.2	3610347	NonCancer	2.42E-04	8.22E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.22E-07	0.00E+00	8.22E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.42E-04
6834	ALL	489185	3610339	NonCancer	2.48E-04	8.41E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.41E-07	0.00E+00	8.41E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
6835	ALL	489206.9	3610332	NonCancer	2.51E-04	8.53E-07	1.58E-04	0.00E+00	0.00E+00	1.58E-04	8.53E-07	0.00E+00	8.53E-07	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	2.51E-04
6836	ALL	489228.7	3610324	NonCancer	2.52E-04	8.57E-07	1.59E-04	0.00E+00	0.00E+00	1.59E-04	8.57E-07	0.00E+00	8.57E-07	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	2.52E-04
6837	ALL	485296.8	3613690	NonCancer	2.16E-04	7.35E-07	1.36E-04	0.00E+00	0.00E+00	1.36E-04	7.35E-07	0.00E+00	7.35E-07	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	2.16E-04
6838	ALL	485294.2	3613713	NonCancer	2.16E-04	7.34E-07	1.36E-04	0.00E+00	0.00E+00	1.36E-04	7.34E-07	0.00E+00	7.34E-07	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	2.16E-04
6839	ALL	485291.7	3613736	NonCancer	2.14E-04	7.27E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.27E-07	0.00E+00	7.27E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.14E-04
6840	ALL	485289.1	3613760	NonCancer	2.10E-04	7.12E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.12E-07	0.00E+00	7.12E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.10E-04
6841	ALL	485286.5	3613783	NonCancer	2.03E-04	6.91E-07	1.28E-04	0.00E+00	0.00E+00	1.28E-04	6.91E-07	0.00E+00	6.91E-07	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	2.03E-04
6842	ALL	485283.9	3613806	NonCancer	1.96E-04	6.65E-07	1.23E-04	0.00E+00	0.00E+00	1.23E-04	6.65E-07	0.00E+00	6.65E-07	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	1.96E-04
6843	ALL	485281.3	3613829	NonCancer	1.86E-04	6.33E-07	1.17E-04	0.00E+00	0.00E+00	1.17E-04	6.33E-07	0.00E+00	6.33E-07	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	1.86E-04
6844	ALL	485278.7	3613852	NonCancer	1.76E-04	5.97E-07	1.11E-04	0.00E+00	0.00E+00	1.11E-04	5.97E-07	0.00E+00	5.97E-07	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	1.76E-04
6845	ALL	485276.1	3613875	NonCancer	1.71E-04	5.82E-07	1.08E-04	0.00E+00	0.00E+00	1.08E-04	5.82E-07	0.00E+00	5.82E-07	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	1.71E-04
6846	ALL	489049.9	3614323	NonCancer	1.04E-02	3.55E-05	6.57E-03	0.00E+00	0.00E+00	6.57E-03	3.55E-05	0.00E+00	3.55E-05	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00	1.04E-02
6847	ALL	489073.9	3614325	NonCancer	8.39E-03	2.85E-05	5.28E-03	0.00E+00	0.00E+00	5.28E-03	2.85E-05	0.00E+00	2.85E-05	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00	8.39E-03
6848	ALL	489098	3614328	NonCancer	1.30E-02	4.41E-05	8.17E-03	0.00E+00	0.00E+00	8.17E-03	4.41E-05	0.00E+00	4.41E-05	0.00E+00	0.00E+00	8.17E-03	0.00E+00	0.00E+00	1.30E-02
6849	ALL	489122	3614330	NonCancer	3.36E-02	1.14E-04	2.11E-02	0.00E+00	0.00E+00	2.11E-02	1.14E-04	0.00E+00	1.14E-04	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	3.36E-02
6850	ALL	489030.4	3614338	NonCancer	7.83E-03	2.66E-05	4.93E-03	0.00E+00	0.00E+00	4.93E-03	2.66E-05	0.00E+00	2.66E-05	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	7.83E-03
6851	ALL	489071.2	3614350	NonCancer	6.26E-03	2.13E-05	3.94E-03	0.00E+00	0.00E+00	3.94E-03	2.13E-05	0.00E+00	2.13E-05	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	6.26E-03
6852	ALL	489095.3	3614353	NonCancer	1.68E-02	5.72E-05	1.06E-02	0.00E+00	0.00E+00	1.06E-02	5.72E-05	0.00E+00	5.72E-05	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.68E-02
6853	ALL	489119.3	3614355	NonCancer	2.60E-02	8.83E-05	1.63E-02	0.00E+00	0.00E+00	1.63E-02	8.83E-05	0.00E+00	8.83E-05	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.60E-02
6854	ALL	489027.7	3614363	NonCancer	4.72E-03	1.60E-05	2.97E-03	0.00E+00	0.00E+00	2.97E-03	1.60E-05	0.00E+00	1.60E-05	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	4.72E-03
6855	ALL	488988.7	3614326	NonCancer	1.21E-02	4.11E-05	7.61E-03	0.00E+00	0.00E+00	7.61E-03	4.11E-05	0.00E+00	4.11E-05	0.00E+00	0.00E+00	7.61E-03	0.00E+00	0.00E+00	1.21E-02
6856	ALL	489068.6	3614375	NonCancer	7.99E-03	2.72E-05	5.03E-03	0.00E+00	0.00E+00	5.03E-03	2.72E-05	0.00E+00	2.72E-05	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	7.99E-03
6857	ALL	489092.6	3614377	NonCancer	1.73E-02	5.90E-05	1.09E-02	0.00E+00	0.00E+00	1.09E-02	5.90E-05	0.00E+00	5.90E-05	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	1.73E-02
6858	ALL	489116.6	3614380	NonCancer	1.88E-02	6.40E-05	1.18E-02	0.00E+00	0.00E+00	1.18E-02	6.40E-05	0.00E+00	6.40E-05	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	1.88E-02
6859	ALL	489140.7	3614383	NonCancer	1.38E-02	4.69E-05	8.68E-03	0.00E+00	0.00E+00	8.68E-03	4.69E-05	0.00E+00	4.69E-05	0.00E+00	0.00E+00	8.68E-03	0.00E+00	0.00E+00	1.38E-02
6860	ALL	489025	3614388	NonCancer	3.83E-03	1.30E-05	2.41E-03	0.00E+00	0.00E+00	2.41E-03	1.30E-05	0.00E+00	1.30E-05	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	3.83E-03
6861	ALL	488991.4	3614370	NonCancer	4.82E-03	1.64E-05	3.03E-03	0.00E+00	0.00E+00	3.03E-03	1.64E-05	0.00E+00	1.64E-05	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	4.82E-03
6862	ALL	488969.2	3614342	NonCancer	9.25E-03	3.15E-05	5.82E-03	0.00E+00	0.00E+00	5.82E-03	3.15E-05	0.00E+00	3.15E-05	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	9.25E-03
6863	ALL	489065.9	3614400	NonCancer	9.81E-03	3.34E-05	6.18E-03	0.00E+00	0.00E+00	6.18E-03	3.34E-05	0.00E+00	3.34E-05	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	9.81E-03

6864	ALL	489089.9	3614402	NonCancer	1.57E-02	5.35E-05	9.90E-03	0.00E+00	0.00E+00	9.90E-03	5.35E-05	0.00E+00	5.35E-05	0.00E+00	0.00E+00	9.90E-03	0.00E+00	0.00E+00	1.57E-02
6865	ALL	489114	3614405	NonCancer	1.35E-02	4.58E-05	8.49E-03	0.00E+00	0.00E+00	8.49E-03	4.58E-05	0.00E+00	4.58E-05	0.00E+00	0.00E+00	8.49E-03	0.00E+00	0.00E+00	1.35E-02
6866	ALL	489016.3	3614436	NonCancer	3.09E-03	1.05E-05	1.95E-03	0.00E+00	0.00E+00	1.95E-03	1.05E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.09E-03
6867	ALL	488996.1	3614425	NonCancer	2.82E-03	9.60E-06	1.78E-03	0.00E+00	0.00E+00	1.78E-03	9.60E-06	0.00E+00	9.60E-06	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	2.82E-03
6868	ALL	488975.9	3614414	NonCancer	2.73E-03	9.27E-06	1.72E-03	0.00E+00	0.00E+00	1.72E-03	9.27E-06	0.00E+00	9.27E-06	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	2.73E-03
6869	ALL	488955.7	3614403	NonCancer	3.28E-03	1.11E-05	2.06E-03	0.00E+00	0.00E+00	2.06E-03	1.11E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.28E-03
6870	ALL	488929.1	3614369	NonCancer	6.00E-03	2.04E-05	3.77E-03	0.00E+00	0.00E+00	3.77E-03	2.04E-05	0.00E+00	2.04E-05	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	6.00E-03
6871	ALL	488922.7	3614347	NonCancer	8.63E-03	2.94E-05	5.44E-03	0.00E+00	0.00E+00	5.44E-03	2.94E-05	0.00E+00	2.94E-05	0.00E+00	0.00E+00	5.44E-03	0.00E+00	0.00E+00	8.63E-03
6872	ALL	488916.3	3614325	NonCancer	8.56E-03	2.91E-05	5.39E-03	0.00E+00	0.00E+00	5.39E-03	2.91E-05	0.00E+00	2.91E-05	0.00E+00	0.00E+00	5.39E-03	0.00E+00	0.00E+00	8.56E-03
6873	ALL	488909.9	3614303	NonCancer	8.85E-03	3.01E-05	5.57E-03	0.00E+00	0.00E+00	5.57E-03	3.01E-05	0.00E+00	3.01E-05	0.00E+00	0.00E+00	5.57E-03	0.00E+00	0.00E+00	8.85E-03
6874	ALL	489036.5	3614447	NonCancer	6.54E-03	2.22E-05	4.12E-03	0.00E+00	0.00E+00	4.12E-03	2.22E-05	0.00E+00	2.22E-05	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	6.54E-03
6875	ALL	489060.5	3614449	NonCancer	1.04E-02	3.55E-05	6.57E-03	0.00E+00	0.00E+00	6.57E-03	3.55E-05	0.00E+00	3.55E-05	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00	1.04E-02
6876	ALL	489084.6	3614452	NonCancer	1.10E-02	3.74E-05	6.92E-03	0.00E+00	0.00E+00	6.92E-03	3.74E-05	0.00E+00	3.74E-05	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.10E-02
6877	ALL	489108.6	3614455	NonCancer	7.21E-03	2.45E-05	4.54E-03	0.00E+00	0.00E+00	4.54E-03	2.45E-05	0.00E+00	2.45E-05	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00	7.21E-03
6878	ALL	489011.9	3614486	NonCancer	4.92E-03	1.67E-05	3.10E-03	0.00E+00	0.00E+00	3.10E-03	1.67E-05	0.00E+00	1.67E-05	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	4.92E-03
6879	ALL	488973.5	3614465	NonCancer	2.20E-03	7.49E-06	1.39E-03	0.00E+00	0.00E+00	1.39E-03	7.49E-06	0.00E+00	7.49E-06	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.20E-03
6880	ALL	488935	3614444	NonCancer	2.07E-03	7.05E-06	1.30E-03	0.00E+00	0.00E+00	1.30E-03	7.05E-06	0.00E+00	7.05E-06	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.07E-03
6881	ALL	488890.4	3614402	NonCancer	4.06E-03	1.38E-05	2.55E-03	0.00E+00	0.00E+00	2.55E-03	1.38E-05	0.00E+00	1.38E-05	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.06E-03
6882	ALL	488878.2	3614360	NonCancer	7.14E-03	2.43E-05	4.50E-03	0.00E+00	0.00E+00	4.50E-03	2.43E-05	0.00E+00	2.43E-05	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	7.14E-03
6883	ALL	488866	3614318	NonCancer	7.20E-03	2.45E-05	4.53E-03	0.00E+00	0.00E+00	4.53E-03	2.45E-05	0.00E+00	2.45E-05	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	7.20E-03
6884	ALL	489055.2	3614499	NonCancer	8.65E-03	2.94E-05	5.45E-03	0.00E+00	0.00E+00	5.45E-03	2.94E-05	0.00E+00	2.94E-05	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	8.65E-03
6885	ALL	489079.2	3614502	NonCancer	7.14E-03	2.43E-05	4.49E-03	0.00E+00	0.00E+00	4.49E-03	2.43E-05	0.00E+00	2.43E-05	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	7.14E-03
6886	ALL	489103.3	3614504	NonCancer	4.61E-03	1.57E-05	2.90E-03	0.00E+00	0.00E+00	2.90E-03	1.57E-05	0.00E+00	1.57E-05	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	4.61E-03
6887	ALL	489127.3	3614507	NonCancer	6.17E-03	2.10E-05	3.89E-03	0.00E+00	0.00E+00	3.89E-03	2.10E-05	0.00E+00	2.10E-05	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	6.17E-03
6888	ALL	489004.8	3614535	NonCancer	5.58E-03	1.90E-05	3.51E-03	0.00E+00	0.00E+00	3.51E-03	1.90E-05	0.00E+00	1.90E-05	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	5.58E-03
6889	ALL	488983.7	3614523	NonCancer	3.48E-03	1.18E-05	2.19E-03	0.00E+00	0.00E+00	2.19E-03	1.18E-05	0.00E+00	1.18E-05	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	3.48E-03
6890	ALL	488962.7	3614512	NonCancer	1.79E-03	6.07E-06	1.12E-03	0.00E+00	0.00E+00	1.12E-03	6.07E-06	0.00E+00	6.07E-06	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	1.79E-03
6891	ALL	488941.7	3614500	NonCancer	1.75E-03	5.95E-06	1.10E-03	0.00E+00	0.00E+00	1.10E-03	5.95E-06	0.00E+00	5.95E-06	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	1.75E-03
6892	ALL	488920.6	3614489	NonCancer	1.71E-03	5.80E-06	1.07E-03	0.00E+00	0.00E+00	1.07E-03	5.80E-06	0.00E+00	5.80E-06	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.71E-03
6893	ALL	488899.6	3614477	NonCancer	1.65E-03	5.61E-06	1.04E-03	0.00E+00	0.00E+00	1.04E-03	5.61E-06	0.00E+00	5.61E-06	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.65E-03
6894	ALL	488878.6	3614466	NonCancer	1.95E-03	6.63E-06	1.23E-03	0.00E+00	0.00E+00	1.23E-03	6.63E-06	0.00E+00	6.63E-06	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	1.95E-03
6895	ALL	488850.9	3614431	NonCancer	3.16E-03	1.08E-05	1.99E-03	0.00E+00	0.00E+00	1.99E-03	1.08E-05	0.00E+00	1.08E-05	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	3.16E-03
6896	ALL	488844.2	3614408	NonCancer	4.14E-03	1.41E-05	2.61E-03	0.00E+00	0.00E+00	2.61E-03	1.41E-05	0.00E+00	1.41E-05	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.14E-03
6897	ALL	488837.5	3614385	NonCancer	5.63E-03	1.91E-05	3.55E-03	0.00E+00	0.00E+00	3.55E-03	1.91E-05	0.00E+00	1.91E-05	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	5.63E-03
6898	ALL	488830.8	3614362	NonCancer	5.80E-03	1.97E-05	3.65E-03	0.00E+00	0.00E+00	3.65E-03	1.97E-05	0.00E+00	1.97E-05	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	5.80E-03
6899	ALL	488824.1	3614339	NonCancer	5.75E-03	1.95E-05	3.62E-03	0.00E+00	0.00E+00	3.62E-03	1.95E-05	0.00E+00	1.95E-05	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	5.75E-03
6900	ALL	488817.5	3614316	NonCancer	5.13E-03	1.74E-05	3.23E-03	0.00E+00	0.00E+00	3.23E-03	1.74E-05	0.00E+00	1.74E-05	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	5.13E-03
6901	ALL	488810.8	3614293	NonCancer	5.06E-03	1.72E-05	3.19E-03	0.00E+00	0.00E+00	3.19E-03	1.72E-05	0.00E+00	1.72E-05	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.06E-03
6902	ALL	489025.8	3614546	NonCancer	6.77E-03	2.30E-05	4.26E-03	0.00E+00	0.00E+00	4.26E-03	2.30E-05	0.00E+00	2.30E-05	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00	6.77E-03
6903	ALL	489049.8	3614549	NonCancer	6.41E-03	2.18E-05	4.03E-03	0.00E+00	0.00E+00	4.03E-03	2.18E-05	0.00E+00	2.18E-05	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	6.41E-03
6904	ALL	489073.9	3614551	NonCancer	4.57E-03	1.55E-05	2.88E-03	0.00E+00	0.00E+00	2.88E-03	1.55E-05	0.00E+00	1.55E-05	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	4.57E-03
6905	ALL	489097.9	3614554	NonCancer	3.86E-03	1.31E-05	2.43E-03	0.00E+00	0.00E+00	2.43E-03	1.31E-05	0.00E+00	1.31E-05	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	3.86E-03
6906	ALL	489121.9	3614557	NonCancer	4.92E-03	1.67E-05	3.10E-03	0.00E+00	0.00E+00	3.10E-03	1.67E-05	0.00E+00	1.67E-05	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	4.92E-03
6907	ALL	489000.3	3614585	NonCancer	5.53E-03	1.88E-05	3.48E-03	0.00E+00	0.00E+00	3.48E-03	1.88E-05	0.00E+00	1.88E-05	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	5.53E-03
6908	ALL	488980.1	3614574	NonCancer	4.42E-03	1.50E-05	2.78E-03	0.00E+00	0.00E+00	2.78E-03	1.50E-05	0.00E+00	1.50E-05	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	4.42E-03
6909	ALL	488959.9	3614563	NonCancer	2.86E-03	9.72E-06	1.80E-03	0.00E+00	0.00E+00	1.80E-03	9.72E-06	0.00E+00	9.72E-06	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	2.86E-03
6910	ALL	488939.7	3614552	NonCancer	1.59E-03	5.39E-06	9.99E-04	0.00E+00	0.00E+00	9.99E-04	5.39E-06	0.00E+00	5.39E-06	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00	1.59E-03
6911	ALL	488919.5	3614541	NonCancer	1.44E-03	4.90E-06	9.08E-04	0.00E+00	0.00E+00	9.08E-04	4.90E-06	0.00E+00	4.90E-06	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00	1.44E-03
6912	ALL	488899.3	3614530	NonCancer	1.41E-03	4.80E-06	8.90E-04	0.00E+00	0.00E+00	8.90E-04	4.80E-06	0.00E+00	4.80E-06	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	1.41E-03
6913	ALL	488879.1	3614519	NonCancer	1.38E-03	4.69E-06	8.68E-04	0.00E+00	0.00E+00	8.68E-04	4.69E-06	0.00E+00	4.69E-06	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00	1.38E-03
6914	ALL	488858.9	3614508	NonCancer	1.34E-03	4.55E-06	8.42E-04	0.00E+00	0.00E+00	8.42E-04	4.55E-06	0.00E+00	4.55E-06	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	1.34E-03
6915	ALL	488838.7	3614497	NonCancer	1.59E-03	5.41E-06	1.00E-03	0.00E+00	0.00E+00	1.00E-03	5.41E-06	0.00E+00	5.41E-06	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.59E-03

6916	ALL	488812.1	3614463	NonCancer	2.43E-03	8.26E-06	1.53E-03	0.00E+00	0.00E+00	1.53E-03	8.26E-06	0.00E+00	8.26E-06	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.43E-03
6917	ALL	488805.7	3614441	NonCancer	2.90E-03	9.87E-06	1.83E-03	0.00E+00	0.00E+00	1.83E-03	9.87E-06	0.00E+00	9.87E-06	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	2.90E-03
6918	ALL	488799.3	3614419	NonCancer	3.90E-03	1.32E-05	2.45E-03	0.00E+00	0.00E+00	2.45E-03	1.32E-05	0.00E+00	1.32E-05	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	3.90E-03
6919	ALL	488792.9	3614397	NonCancer	4.66E-03	1.59E-05	2.94E-03	0.00E+00	0.00E+00	2.94E-03	1.59E-05	0.00E+00	1.59E-05	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	4.66E-03
6920	ALL	488786.5	3614375	NonCancer	4.55E-03	1.55E-05	2.87E-03	0.00E+00	0.00E+00	2.87E-03	1.55E-05	0.00E+00	1.55E-05	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	4.55E-03
6921	ALL	488780.1	3614353	NonCancer	4.68E-03	1.59E-05	2.95E-03	0.00E+00	0.00E+00	2.95E-03	1.59E-05	0.00E+00	1.59E-05	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	4.68E-03
6922	ALL	488773.7	3614331	NonCancer	4.45E-03	1.51E-05	2.80E-03	0.00E+00	0.00E+00	2.80E-03	1.51E-05	0.00E+00	1.51E-05	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	4.45E-03
6923	ALL	488767.2	3614309	NonCancer	3.79E-03	1.29E-05	2.39E-03	0.00E+00	0.00E+00	2.39E-03	1.29E-05	0.00E+00	1.29E-05	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	3.79E-03
6924	ALL	488760.8	3614286	NonCancer	4.78E-03	1.63E-05	3.01E-03	0.00E+00	0.00E+00	3.01E-03	1.63E-05	0.00E+00	1.63E-05	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	4.78E-03
6925	ALL	489020.4	3614596	NonCancer	5.53E-03	1.88E-05	3.48E-03	0.00E+00	0.00E+00	3.48E-03	1.88E-05	0.00E+00	1.88E-05	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	5.53E-03
6926	ALL	489044.5	3614599	NonCancer	4.54E-03	1.54E-05	2.86E-03	0.00E+00	0.00E+00	2.86E-03	1.54E-05	0.00E+00	1.54E-05	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	4.54E-03
6927	ALL	489068.5	3614601	NonCancer	2.97E-03	1.01E-05	1.87E-03	0.00E+00	0.00E+00	1.87E-03	1.01E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	2.97E-03
6928	ALL	489092.6	3614604	NonCancer	3.27E-03	1.11E-05	2.06E-03	0.00E+00	0.00E+00	2.06E-03	1.11E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.27E-03
6929	ALL	489116.6	3614606	NonCancer	4.04E-03	1.37E-05	2.54E-03	0.00E+00	0.00E+00	2.54E-03	1.37E-05	0.00E+00	1.37E-05	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.04E-03
6930	ALL	488989	3614684	NonCancer	3.98E-03	1.35E-05	2.51E-03	0.00E+00	0.00E+00	2.51E-03	1.35E-05	0.00E+00	1.35E-05	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	3.98E-03
6931	ALL	488968.3	3614673	NonCancer	4.20E-03	1.43E-05	2.64E-03	0.00E+00	0.00E+00	2.64E-03	1.43E-05	0.00E+00	1.43E-05	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.20E-03
6932	ALL	488947.6	3614661	NonCancer	3.71E-03	1.26E-05	2.33E-03	0.00E+00	0.00E+00	2.33E-03	1.26E-05	0.00E+00	1.26E-05	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	3.71E-03
6933	ALL	488926.9	3614650	NonCancer	2.76E-03	9.38E-06	1.74E-03	0.00E+00	0.00E+00	1.74E-03	9.38E-06	0.00E+00	9.38E-06	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	2.76E-03
6934	ALL	488906.2	3614639	NonCancer	1.76E-03	5.99E-06	1.11E-03	0.00E+00	0.00E+00	1.11E-03	5.99E-06	0.00E+00	5.99E-06	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	1.76E-03
6935	ALL	488885.5	3614627	NonCancer	1.04E-03	3.53E-06	6.54E-04	0.00E+00	0.00E+00	6.54E-04	3.53E-06	0.00E+00	3.53E-06	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	1.04E-03
6936	ALL	488864.8	3614616	NonCancer	1.03E-03	3.49E-06	6.46E-04	0.00E+00	0.00E+00	6.46E-04	3.49E-06	0.00E+00	3.49E-06	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00	1.03E-03
6937	ALL	488844.1	3614605	NonCancer	1.01E-03	3.43E-06	6.36E-04	0.00E+00	0.00E+00	6.36E-04	3.43E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	1.01E-03
6938	ALL	488823.4	3614593	NonCancer	9.92E-04	3.37E-06	6.25E-04	0.00E+00	0.00E+00	6.25E-04	3.37E-06	0.00E+00	3.37E-06	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	9.92E-04
6939	ALL	488802.7	3614582	NonCancer	9.20E-04	3.13E-06	5.79E-04	0.00E+00	0.00E+00	5.79E-04	3.13E-06	0.00E+00	3.13E-06	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	9.20E-04
6940	ALL	488782	3614571	NonCancer	8.64E-04	2.94E-06	5.44E-04	0.00E+00	0.00E+00	5.44E-04	2.94E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	8.64E-04
6941	ALL	488761.2	3614559	NonCancer	1.05E-03	3.57E-06	6.61E-04	0.00E+00	0.00E+00	6.61E-04	3.57E-06	0.00E+00	3.57E-06	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	1.05E-03
6942	ALL	488734	3614525	NonCancer	1.47E-03	4.99E-06	9.24E-04	0.00E+00	0.00E+00	9.24E-04	4.99E-06	0.00E+00	4.99E-06	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00	1.47E-03
6943	ALL	488727.4	3614503	NonCancer	1.88E-03	6.39E-06	1.18E-03	0.00E+00	0.00E+00	1.18E-03	6.39E-06	0.00E+00	6.39E-06	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	1.88E-03
6944	ALL	488720.8	3614480	NonCancer	2.13E-03	7.25E-06	1.34E-03	0.00E+00	0.00E+00	1.34E-03	7.25E-06	0.00E+00	7.25E-06	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.13E-03
6945	ALL	488714.2	3614457	NonCancer	2.85E-03	9.69E-06	1.79E-03	0.00E+00	0.00E+00	1.79E-03	9.69E-06	0.00E+00	9.69E-06	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	2.85E-03
6946	ALL	488707.7	3614435	NonCancer	3.45E-03	1.17E-05	2.17E-03	0.00E+00	0.00E+00	2.17E-03	1.17E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.45E-03
6947	ALL	488701.1	3614412	NonCancer	3.55E-03	1.21E-05	2.23E-03	0.00E+00	0.00E+00	2.23E-03	1.21E-05	0.00E+00	1.21E-05	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	3.55E-03
6948	ALL	488694.5	3614389	NonCancer	3.41E-03	1.16E-05	2.14E-03	0.00E+00	0.00E+00	2.14E-03	1.16E-05	0.00E+00	1.16E-05	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.41E-03
6949	ALL	488687.9	3614367	NonCancer	3.59E-03	1.22E-05	2.26E-03	0.00E+00	0.00E+00	2.26E-03	1.22E-05	0.00E+00	1.22E-05	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	3.59E-03
6950	ALL	488681.3	3614344	NonCancer	3.20E-03	1.09E-05	2.02E-03	0.00E+00	0.00E+00	2.02E-03	1.09E-05	0.00E+00	1.09E-05	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.20E-03
6951	ALL	488674.8	3614321	NonCancer	2.88E-03	9.80E-06	1.82E-03	0.00E+00	0.00E+00	1.82E-03	9.80E-06	0.00E+00	9.80E-06	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	2.88E-03
6952	ALL	488668.2	3614299	NonCancer	3.59E-03	1.22E-05	2.26E-03	0.00E+00	0.00E+00	2.26E-03	1.22E-05	0.00E+00	1.22E-05	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	3.59E-03
6953	ALL	488661.6	3614276	NonCancer	3.79E-03	1.29E-05	2.39E-03	0.00E+00	0.00E+00	2.39E-03	1.29E-05	0.00E+00	1.29E-05	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	3.79E-03
6954	ALL	489009.7	3614695	NonCancer	3.19E-03	1.08E-05	2.01E-03	0.00E+00	0.00E+00	2.01E-03	1.08E-05	0.00E+00	1.08E-05	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.19E-03
6955	ALL	489033.8	3614698	NonCancer	2.23E-03	7.59E-06	1.41E-03	0.00E+00	0.00E+00	1.41E-03	7.59E-06	0.00E+00	7.59E-06	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.23E-03
6956	ALL	489057.8	3614701	NonCancer	2.00E-03	6.81E-06	1.26E-03	0.00E+00	0.00E+00	1.26E-03	6.81E-06	0.00E+00	6.81E-06	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.00E-03
6957	ALL	489081.9	3614703	NonCancer	2.45E-03	8.33E-06	1.54E-03	0.00E+00	0.00E+00	1.54E-03	8.33E-06	0.00E+00	8.33E-06	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.45E-03
6958	ALL	488978	3614783	NonCancer	2.41E-03	8.20E-06	1.52E-03	0.00E+00	0.00E+00	1.52E-03	8.20E-06	0.00E+00	8.20E-06	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.41E-03
6959	ALL	488957	3614772	NonCancer	3.02E-03	1.03E-05	1.90E-03	0.00E+00	0.00E+00	1.90E-03	1.03E-05	0.00E+00	1.03E-05	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.02E-03
6960	ALL	488935.9	3614760	NonCancer	3.28E-03	1.12E-05	2.07E-03	0.00E+00	0.00E+00	2.07E-03	1.12E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.28E-03
6961	ALL	488914.9	3614749	NonCancer	3.08E-03	1.05E-05	1.94E-03	0.00E+00	0.00E+00	1.94E-03	1.05E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.08E-03
6962	ALL	488893.9	3614737	NonCancer	2.51E-03	8.53E-06	1.58E-03	0.00E+00	0.00E+00	1.58E-03	8.53E-06	0.00E+00	8.53E-06	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.51E-03
6963	ALL	488872.9	3614726	NonCancer	1.78E-03	6.06E-06	1.12E-03	0.00E+00	0.00E+00	1.12E-03	6.06E-06	0.00E+00	6.06E-06	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	1.78E-03
6964	ALL	488851.8	3614714	NonCancer	1.15E-03	3.89E-06	7.21E-04	0.00E+00	0.00E+00	7.21E-04	3.89E-06	0.00E+00	3.89E-06	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	1.15E-03
6965	ALL	488830.8	3614703	NonCancer	7.76E-04	2.64E-06	4.89E-04	0.00E+00	0.00E+00	4.89E-04	2.64E-06	0.00E+00	2.64E-06	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	7.76E-04
6966	ALL	488809.8	3614691	NonCancer	7.68E-04	2.61E-06	4.84E-04	0.00E+00	0.00E+00	4.84E-04	2.61E-06	0.00E+00	2.61E-06	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	7.68E-04
6967	ALL	488788.7	3614680	NonCancer	7.61E-04	2.59E-06	4.79E-04	0.00E+00	0.00E+00	4.79E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	7.61E-04

6968	ALL	488767.7	3614668	NonCancer	7.52E-04	2.56E-06	4.74E-04	0.00E+00	0.00E+00	4.74E-04	2.56E-06	0.00E+00	2.56E-06	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	7.52E-04
6969	ALL	488746.7	3614657	NonCancer	7.40E-04	2.51E-06	4.66E-04	0.00E+00	0.00E+00	4.66E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	7.40E-04
6970	ALL	488725.6	3614645	NonCancer	7.25E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.25E-04
6971	ALL	488704.6	3614634	NonCancer	7.10E-04	2.41E-06	4.47E-04	0.00E+00	0.00E+00	4.47E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	7.10E-04
6972	ALL	488683.6	3614622	NonCancer	8.24E-04	2.80E-06	5.19E-04	0.00E+00	0.00E+00	5.19E-04	2.80E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	8.24E-04
6973	ALL	488655.9	3614588	NonCancer	1.05E-03	3.56E-06	6.60E-04	0.00E+00	0.00E+00	6.60E-04	3.56E-06	0.00E+00	3.56E-06	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	1.05E-03
6974	ALL	488649.2	3614565	NonCancer	1.31E-03	4.45E-06	8.24E-04	0.00E+00	0.00E+00	8.24E-04	4.45E-06	0.00E+00	4.45E-06	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	1.31E-03
6975	ALL	488642.5	3614542	NonCancer	1.58E-03	5.36E-06	9.92E-04	0.00E+00	0.00E+00	9.92E-04	5.36E-06	0.00E+00	5.36E-06	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00	1.58E-03
6976	ALL	488635.8	3614518	NonCancer	1.72E-03	5.83E-06	1.08E-03	0.00E+00	0.00E+00	1.08E-03	5.83E-06	0.00E+00	5.83E-06	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.72E-03
6977	ALL	488629.1	3614495	NonCancer	2.27E-03	7.71E-06	1.43E-03	0.00E+00	0.00E+00	1.43E-03	7.71E-06	0.00E+00	7.71E-06	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.27E-03
6978	ALL	488622.5	3614472	NonCancer	2.72E-03	9.25E-06	1.71E-03	0.00E+00	0.00E+00	1.71E-03	9.25E-06	0.00E+00	9.25E-06	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	2.72E-03
6979	ALL	488615.8	3614449	NonCancer	2.85E-03	9.70E-06	1.80E-03	0.00E+00	0.00E+00	1.80E-03	9.70E-06	0.00E+00	9.70E-06	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	2.85E-03
6980	ALL	488609.1	3614426	NonCancer	2.61E-03	8.88E-06	1.64E-03	0.00E+00	0.00E+00	1.64E-03	8.88E-06	0.00E+00	8.88E-06	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	2.61E-03
6981	ALL	488602.4	3614403	NonCancer	2.84E-03	9.67E-06	1.79E-03	0.00E+00	0.00E+00	1.79E-03	9.67E-06	0.00E+00	9.67E-06	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	2.84E-03
6982	ALL	488595.7	3614380	NonCancer	2.79E-03	9.50E-06	1.76E-03	0.00E+00	0.00E+00	1.76E-03	9.50E-06	0.00E+00	9.50E-06	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	2.79E-03
6983	ALL	488589.1	3614357	NonCancer	2.40E-03	8.16E-06	1.51E-03	0.00E+00	0.00E+00	1.51E-03	8.16E-06	0.00E+00	8.16E-06	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.40E-03
6984	ALL	488582.4	3614334	NonCancer	2.27E-03	7.73E-06	1.43E-03	0.00E+00	0.00E+00	1.43E-03	7.73E-06	0.00E+00	7.73E-06	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.27E-03
6985	ALL	488575.7	3614311	NonCancer	2.81E-03	9.55E-06	1.77E-03	0.00E+00	0.00E+00	1.77E-03	9.55E-06	0.00E+00	9.55E-06	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	2.81E-03
6986	ALL	488569	3614288	NonCancer	3.03E-03	1.03E-05	1.91E-03	0.00E+00	0.00E+00	1.91E-03	1.03E-05	0.00E+00	1.03E-05	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.03E-03
6987	ALL	488562.3	3614265	NonCancer	3.11E-03	1.06E-05	1.96E-03	0.00E+00	0.00E+00	1.96E-03	1.06E-05	0.00E+00	1.06E-05	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.11E-03
6988	ALL	488999	3614795	NonCancer	1.74E-03	5.93E-06	1.10E-03	0.00E+00	0.00E+00	1.10E-03	5.93E-06	0.00E+00	5.93E-06	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	1.74E-03
6989	ALL	489023.1	3614797	NonCancer	1.29E-03	4.40E-06	8.15E-04	0.00E+00	0.00E+00	8.15E-04	4.40E-06	0.00E+00	4.40E-06	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00	1.29E-03
6990	ALL	489047.1	3614800	NonCancer	1.67E-03	5.67E-06	1.05E-03	0.00E+00	0.00E+00	1.05E-03	5.67E-06	0.00E+00	5.67E-06	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.67E-03
6991	ALL	489071.2	3614803	NonCancer	1.92E-03	6.51E-06	1.21E-03	0.00E+00	0.00E+00	1.21E-03	6.51E-06	0.00E+00	6.51E-06	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	1.92E-03
6992	ALL	489095.2	3614805	NonCancer	2.22E-03	7.56E-06	1.40E-03	0.00E+00	0.00E+00	1.40E-03	7.56E-06	0.00E+00	7.56E-06	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.22E-03
6993	ALL	488968.1	3614883	NonCancer	1.42E-03	4.83E-06	8.95E-04	0.00E+00	0.00E+00	8.95E-04	4.83E-06	0.00E+00	4.83E-06	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	1.42E-03
6994	ALL	488948	3614872	NonCancer	1.92E-03	6.52E-06	1.21E-03	0.00E+00	0.00E+00	1.21E-03	6.52E-06	0.00E+00	6.52E-06	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	1.92E-03
6995	ALL	488927.8	3614861	NonCancer	2.36E-03	8.03E-06	1.49E-03	0.00E+00	0.00E+00	1.49E-03	8.03E-06	0.00E+00	8.03E-06	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.36E-03
6996	ALL	488907.6	3614850	NonCancer	2.63E-03	8.93E-06	1.65E-03	0.00E+00	0.00E+00	1.65E-03	8.93E-06	0.00E+00	8.93E-06	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	2.63E-03
6997	ALL	488887.4	3614839	NonCancer	2.63E-03	8.94E-06	1.66E-03	0.00E+00	0.00E+00	1.66E-03	8.94E-06	0.00E+00	8.94E-06	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	2.63E-03
6998	ALL	488867.2	3614828	NonCancer	2.36E-03	8.02E-06	1.48E-03	0.00E+00	0.00E+00	1.48E-03	8.02E-06	0.00E+00	8.02E-06	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.36E-03
6999	ALL	488847	3614817	NonCancer	1.92E-03	6.54E-06	1.21E-03	0.00E+00	0.00E+00	1.21E-03	6.54E-06	0.00E+00	6.54E-06	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	1.92E-03
7000	ALL	488826.8	3614806	NonCancer	1.41E-03	4.78E-06	8.86E-04	0.00E+00	0.00E+00	8.86E-04	4.78E-06	0.00E+00	4.78E-06	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	1.41E-03
7001	ALL	488806.6	3614795	NonCancer	9.57E-04	3.25E-06	6.02E-04	0.00E+00	0.00E+00	6.02E-04	3.25E-06	0.00E+00	3.25E-06	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	9.57E-04
7002	ALL	488786.4	3614784	NonCancer	6.22E-04	2.11E-06	3.92E-04	0.00E+00	0.00E+00	3.92E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	6.22E-04
7003	ALL	488766.2	3614773	NonCancer	5.87E-04	2.00E-06	3.70E-04	0.00E+00	0.00E+00	3.70E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	5.87E-04
7004	ALL	488746.1	3614762	NonCancer	5.64E-04	1.92E-06	3.55E-04	0.00E+00	0.00E+00	3.55E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	5.64E-04
7005	ALL	488725.9	3614751	NonCancer	5.49E-04	1.87E-06	3.46E-04	0.00E+00	0.00E+00	3.46E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	5.49E-04
7006	ALL	488705.7	3614740	NonCancer	5.61E-04	1.91E-06	3.53E-04	0.00E+00	0.00E+00	3.53E-04	1.91E-06	0.00E+00	1.91E-06	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	5.61E-04
7007	ALL	488685.5	3614728	NonCancer	5.25E-04	1.79E-06	3.31E-04	0.00E+00	0.00E+00	3.31E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	5.25E-04
7008	ALL	488665.3	3614717	NonCancer	5.33E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.33E-04
7009	ALL	488645.1	3614706	NonCancer	5.47E-04	1.86E-06	3.44E-04	0.00E+00	0.00E+00	3.44E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	5.47E-04
7010	ALL	488624.9	3614695	NonCancer	5.45E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.45E-04
7011	ALL	488604.7	3614684	NonCancer	6.33E-04	2.15E-06	3.99E-04	0.00E+00	0.00E+00	3.99E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	6.33E-04
7012	ALL	488578.1	3614651	NonCancer	8.29E-04	2.82E-06	5.22E-04	0.00E+00	0.00E+00	5.22E-04	2.82E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	8.29E-04
7013	ALL	488571.7	3614629	NonCancer	9.43E-04	3.21E-06	5.94E-04	0.00E+00	0.00E+00	5.94E-04	3.21E-06	0.00E+00	3.21E-06	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	9.43E-04
7014	ALL	488565.3	3614607	NonCancer	1.17E-03	3.99E-06	7.39E-04	0.00E+00	0.00E+00	7.39E-04	3.99E-06	0.00E+00	3.99E-06	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	1.17E-03
7015	ALL	488558.9	3614585	NonCancer	1.34E-03	4.55E-06	8.42E-04	0.00E+00	0.00E+00	8.42E-04	4.55E-06	0.00E+00	4.55E-06	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	1.34E-03
7016	ALL	488552.5	3614563	NonCancer	1.41E-03	4.78E-06	8.86E-04	0.00E+00	0.00E+00	8.86E-04	4.78E-06	0.00E+00	4.78E-06	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	1.41E-03
7017	ALL	488546.1	3614541	NonCancer	1.73E-03	5.88E-06	1.09E-03	0.00E+00	0.00E+00	1.09E-03	5.88E-06	0.00E+00	5.88E-06	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	1.73E-03
7018	ALL	488539.6	3614518	NonCancer	2.11E-03	7.17E-06	1.33E-03	0.00E+00	0.00E+00	1.33E-03	7.17E-06	0.00E+00	7.17E-06	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.11E-03
7019	ALL	488533.2	3614496	NonCancer	2.33E-03	7.91E-06	1.46E-03	0.00E+00	0.00E+00	1.46E-03	7.91E-06	0.00E+00	7.91E-06	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.33E-03

7020	ALL	488526.8	3614474	NonCancer	2.32E-03	7.88E-06	1.46E-03	0.00E+00	0.00E+00	1.46E-03	7.88E-06	0.00E+00	7.88E-06	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.32E-03
7021	ALL	488520.4	3614452	NonCancer	2.10E-03	7.14E-06	1.32E-03	0.00E+00	0.00E+00	1.32E-03	7.14E-06	0.00E+00	7.14E-06	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.10E-03
7022	ALL	488514	3614430	NonCancer	2.33E-03	7.92E-06	1.47E-03	0.00E+00	0.00E+00	1.47E-03	7.92E-06	0.00E+00	7.92E-06	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.33E-03
7023	ALL	488507.6	3614408	NonCancer	2.33E-03	7.93E-06	1.47E-03	0.00E+00	0.00E+00	1.47E-03	7.93E-06	0.00E+00	7.93E-06	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.33E-03
7024	ALL	488501.2	3614386	NonCancer	2.11E-03	7.17E-06	1.33E-03	0.00E+00	0.00E+00	1.33E-03	7.17E-06	0.00E+00	7.17E-06	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.11E-03
7025	ALL	488494.8	3614364	NonCancer	1.72E-03	5.86E-06	1.09E-03	0.00E+00	0.00E+00	1.09E-03	5.86E-06	0.00E+00	5.86E-06	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	1.72E-03
7026	ALL	488488.3	3614342	NonCancer	1.96E-03	6.67E-06	1.24E-03	0.00E+00	0.00E+00	1.24E-03	6.67E-06	0.00E+00	6.67E-06	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	1.96E-03
7027	ALL	488481.9	3614319	NonCancer	2.33E-03	7.91E-06	1.47E-03	0.00E+00	0.00E+00	1.47E-03	7.91E-06	0.00E+00	7.91E-06	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.33E-03
7028	ALL	488475.5	3614297	NonCancer	2.49E-03	8.47E-06	1.57E-03	0.00E+00	0.00E+00	1.57E-03	8.47E-06	0.00E+00	8.47E-06	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.49E-03
7029	ALL	488469.1	3614275	NonCancer	2.41E-03	8.21E-06	1.52E-03	0.00E+00	0.00E+00	1.52E-03	8.21E-06	0.00E+00	8.21E-06	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.41E-03
7030	ALL	488462.7	3614253	NonCancer	2.92E-03	9.93E-06	1.84E-03	0.00E+00	0.00E+00	1.84E-03	9.93E-06	0.00E+00	9.93E-06	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	2.92E-03
7031	ALL	488988.3	3614894	NonCancer	9.76E-04	3.32E-06	6.14E-04	0.00E+00	0.00E+00	6.14E-04	3.32E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	9.76E-04
7032	ALL	489012.4	3614897	NonCancer	1.16E-03	3.95E-06	7.31E-04	0.00E+00	0.00E+00	7.31E-04	3.95E-06	0.00E+00	3.95E-06	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00	1.16E-03
7033	ALL	489036.4	3614899	NonCancer	1.41E-03	4.78E-06	8.85E-04	0.00E+00	0.00E+00	8.85E-04	4.78E-06	0.00E+00	4.78E-06	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	1.41E-03
7034	ALL	489060.5	3614902	NonCancer	1.55E-03	5.27E-06	9.76E-04	0.00E+00	0.00E+00	9.76E-04	5.27E-06	0.00E+00	5.27E-06	0.00E+00	0.00E+00	9.76E-04	0.00E+00	0.00E+00	1.55E-03
7035	ALL	489084.5	3614905	NonCancer	1.77E-03	6.03E-06	1.12E-03	0.00E+00	0.00E+00	1.12E-03	6.03E-06	0.00E+00	6.03E-06	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	1.77E-03
7036	ALL	488957.2	3614983	NonCancer	8.11E-04	2.76E-06	5.11E-04	0.00E+00	0.00E+00	5.11E-04	2.76E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	8.11E-04
7037	ALL	488936.7	3614971	NonCancer	1.15E-03	3.90E-06	7.22E-04	0.00E+00	0.00E+00	7.22E-04	3.90E-06	0.00E+00	3.90E-06	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00	1.15E-03
7038	ALL	488916.2	3614960	NonCancer	1.52E-03	5.16E-06	9.55E-04	0.00E+00	0.00E+00	9.55E-04	5.16E-06	0.00E+00	5.16E-06	0.00E+00	0.00E+00	9.55E-04	0.00E+00	0.00E+00	1.52E-03
7039	ALL	488895.7	3614949	NonCancer	1.85E-03	6.30E-06	1.17E-03	0.00E+00	0.00E+00	1.17E-03	6.30E-06	0.00E+00	6.30E-06	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	1.85E-03
7040	ALL	488875.2	3614938	NonCancer	2.08E-03	7.06E-06	1.31E-03	0.00E+00	0.00E+00	1.31E-03	7.06E-06	0.00E+00	7.06E-06	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.08E-03
7041	ALL	488854.7	3614926	NonCancer	2.13E-03	7.24E-06	1.34E-03	0.00E+00	0.00E+00	1.34E-03	7.24E-06	0.00E+00	7.24E-06	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.13E-03
7042	ALL	488834.3	3614915	NonCancer	1.99E-03	6.77E-06	1.25E-03	0.00E+00	0.00E+00	1.25E-03	6.77E-06	0.00E+00	6.77E-06	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	1.99E-03
7043	ALL	488813.8	3614904	NonCancer	1.70E-03	5.79E-06	1.07E-03	0.00E+00	0.00E+00	1.07E-03	5.79E-06	0.00E+00	5.79E-06	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.70E-03
7044	ALL	488793.3	3614893	NonCancer	1.34E-03	4.54E-06	8.41E-04	0.00E+00	0.00E+00	8.41E-04	4.54E-06	0.00E+00	4.54E-06	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00	1.34E-03
7045	ALL	488772.8	3614882	NonCancer	9.68E-04	3.29E-06	6.09E-04	0.00E+00	0.00E+00	6.09E-04	3.29E-06	0.00E+00	3.29E-06	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	9.68E-04
7046	ALL	488752.3	3614870	NonCancer	6.60E-04	2.24E-06	4.15E-04	0.00E+00	0.00E+00	4.15E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	6.60E-04
7047	ALL	488731.8	3614859	NonCancer	4.49E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.49E-04
7048	ALL	488711.4	3614848	NonCancer	4.46E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.46E-04
7049	ALL	488690.9	3614837	NonCancer	4.43E-04	1.51E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.43E-04
7050	ALL	488670.4	3614825	NonCancer	4.39E-04	1.49E-06	2.76E-04	0.00E+00	0.00E+00	2.76E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	4.39E-04
7051	ALL	488649.9	3614814	NonCancer	4.35E-04	1.48E-06	2.74E-04	0.00E+00	0.00E+00	2.74E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	4.35E-04
7052	ALL	488629.4	3614803	NonCancer	4.30E-04	1.46E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.30E-04
7053	ALL	488608.9	3614792	NonCancer	4.25E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.25E-04
7054	ALL	488588.5	3614781	NonCancer	4.19E-04	1.42E-06	2.64E-04	0.00E+00	0.00E+00	2.64E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.19E-04
7055	ALL	488568	3614769	NonCancer	4.13E-04	1.40E-06	2.60E-04	0.00E+00	0.00E+00	2.60E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	4.13E-04
7056	ALL	488547.5	3614758	NonCancer	4.22E-04	1.44E-06	2.66E-04	0.00E+00	0.00E+00	2.66E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	4.22E-04
7057	ALL	488527	3614747	NonCancer	4.95E-04	1.68E-06	3.12E-04	0.00E+00	0.00E+00	3.12E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	4.95E-04
7058	ALL	488500	3614713	NonCancer	6.43E-04	2.19E-06	4.05E-04	0.00E+00	0.00E+00	4.05E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	6.43E-04
7059	ALL	488493.5	3614691	NonCancer	7.07E-04	2.40E-06	4.45E-04	0.00E+00	0.00E+00	4.45E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	7.07E-04
7060	ALL	488487	3614668	NonCancer	8.68E-04	2.95E-06	5.47E-04	0.00E+00	0.00E+00	5.47E-04	2.95E-06	0.00E+00	2.95E-06	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	8.68E-04
7061	ALL	488480.5	3614646	NonCancer	1.04E-03	3.54E-06	6.55E-04	0.00E+00	0.00E+00	6.55E-04	3.54E-06	0.00E+00	3.54E-06	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	1.04E-03
7062	ALL	488474	3614624	NonCancer	1.17E-03	3.97E-06	7.36E-04	0.00E+00	0.00E+00	7.36E-04	3.97E-06	0.00E+00	3.97E-06	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00	1.17E-03
7063	ALL	488467.5	3614601	NonCancer	1.22E-03	4.15E-06	7.68E-04	0.00E+00	0.00E+00	7.68E-04	4.15E-06	0.00E+00	4.15E-06	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	1.22E-03
7064	ALL	488461	3614579	NonCancer	1.49E-03	5.05E-06	9.36E-04	0.00E+00	0.00E+00	9.36E-04	5.05E-06	0.00E+00	5.05E-06	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00	1.49E-03
7065	ALL	488454.5	3614556	NonCancer	1.77E-03	6.00E-06	1.11E-03	0.00E+00	0.00E+00	1.11E-03	6.00E-06	0.00E+00	6.00E-06	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	1.77E-03
7066	ALL	488448	3614534	NonCancer	1.94E-03	6.61E-06	1.22E-03	0.00E+00	0.00E+00	1.22E-03	6.61E-06	0.00E+00	6.61E-06	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	1.94E-03
7067	ALL	488441.5	3614511	NonCancer	1.97E-03	6.70E-06	1.24E-03	0.00E+00	0.00E+00	1.24E-03	6.70E-06	0.00E+00	6.70E-06	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	1.97E-03
7068	ALL	488435	3614489	NonCancer	1.83E-03	6.22E-06	1.15E-03	0.00E+00	0.00E+00	1.15E-03	6.22E-06	0.00E+00	6.22E-06	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	1.83E-03
7069	ALL	488428.5	3614467	NonCancer	1.89E-03	6.43E-06	1.19E-03	0.00E+00	0.00E+00	1.19E-03	6.43E-06	0.00E+00	6.43E-06	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	1.89E-03
7070	ALL	488422	3614444	NonCancer	1.99E-03	6.76E-06	1.25E-03	0.00E+00	0.00E+00	1.25E-03	6.76E-06	0.00E+00	6.76E-06	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	1.99E-03
7071	ALL	488415.4	3614422	NonCancer	1.91E-03	6.51E-06	1.20E-03	0.00E+00	0.00E+00	1.20E-03	6.51E-06	0.00E+00	6.51E-06	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	1.91E-03

7072	ALL	488408.9	3614399	NonCancer	1.69E-03	5.74E-06	1.06E-03	0.00E+00	0.00E+00	1.06E-03	5.74E-06	0.00E+00	5.74E-06	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.69E-03
7073	ALL	488402.4	3614377	NonCancer	1.37E-03	4.65E-06	8.61E-04	0.00E+00	0.00E+00	8.61E-04	4.65E-06	0.00E+00	4.65E-06	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00	1.37E-03
7074	ALL	488395.9	3614354	NonCancer	1.63E-03	5.54E-06	1.03E-03	0.00E+00	0.00E+00	1.03E-03	5.54E-06	0.00E+00	5.54E-06	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.63E-03
7075	ALL	488389.4	3614332	NonCancer	1.93E-03	6.55E-06	1.21E-03	0.00E+00	0.00E+00	1.21E-03	6.55E-06	0.00E+00	6.55E-06	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	1.93E-03
7076	ALL	488382.9	3614310	NonCancer	2.09E-03	7.09E-06	1.31E-03	0.00E+00	0.00E+00	1.31E-03	7.09E-06	0.00E+00	7.09E-06	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.09E-03
7077	ALL	488376.4	3614287	NonCancer	2.07E-03	7.05E-06	1.31E-03	0.00E+00	0.00E+00	1.31E-03	7.05E-06	0.00E+00	7.05E-06	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.07E-03
7078	ALL	488369.9	3614265	NonCancer	2.22E-03	7.56E-06	1.40E-03	0.00E+00	0.00E+00	1.40E-03	7.56E-06	0.00E+00	7.56E-06	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.22E-03
7079	ALL	488363.4	3614242	NonCancer	2.63E-03	8.95E-06	1.66E-03	0.00E+00	0.00E+00	1.66E-03	8.95E-06	0.00E+00	8.95E-06	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	2.63E-03
7080	ALL	488977.6	3614994	NonCancer	8.08E-04	2.75E-06	5.09E-04	0.00E+00	0.00E+00	5.09E-04	2.75E-06	0.00E+00	2.75E-06	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	8.08E-04
7081	ALL	489001.7	3614996	NonCancer	1.01E-03	3.43E-06	6.35E-04	0.00E+00	0.00E+00	6.35E-04	3.43E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	1.01E-03
7082	ALL	489025.7	3614999	NonCancer	1.17E-03	3.98E-06	7.36E-04	0.00E+00	0.00E+00	7.36E-04	3.98E-06	0.00E+00	3.98E-06	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00	1.17E-03
7083	ALL	489049.7	3615001	NonCancer	1.26E-03	4.27E-06	7.91E-04	0.00E+00	0.00E+00	7.91E-04	4.27E-06	0.00E+00	4.27E-06	0.00E+00	0.00E+00	7.91E-04	0.00E+00	0.00E+00	1.26E-03
7084	ALL	488946.2	3615082	NonCancer	6.23E-04	2.12E-06	3.92E-04	0.00E+00	0.00E+00	3.92E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	6.23E-04
7085	ALL	488925.5	3615070	NonCancer	7.41E-04	2.52E-06	4.67E-04	0.00E+00	0.00E+00	4.67E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	7.41E-04
7086	ALL	488904.8	3615059	NonCancer	1.02E-03	3.47E-06	6.43E-04	0.00E+00	0.00E+00	6.43E-04	3.47E-06	0.00E+00	3.47E-06	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	1.02E-03
7087	ALL	488884.1	3615048	NonCancer	1.33E-03	4.51E-06	8.35E-04	0.00E+00	0.00E+00	8.35E-04	4.51E-06	0.00E+00	4.51E-06	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	1.33E-03
7088	ALL	488863.4	3615036	NonCancer	1.61E-03	5.47E-06	1.01E-03	0.00E+00	0.00E+00	1.01E-03	5.47E-06	0.00E+00	5.47E-06	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.61E-03
7089	ALL	488842.7	3615025	NonCancer	1.81E-03	6.16E-06	1.14E-03	0.00E+00	0.00E+00	1.14E-03	6.16E-06	0.00E+00	6.16E-06	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	1.81E-03
7090	ALL	488822	3615014	NonCancer	1.85E-03	6.29E-06	1.16E-03	0.00E+00	0.00E+00	1.16E-03	6.29E-06	0.00E+00	6.29E-06	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	1.85E-03
7091	ALL	488801.3	3615002	NonCancer	1.75E-03	5.96E-06	1.10E-03	0.00E+00	0.00E+00	1.10E-03	5.96E-06	0.00E+00	5.96E-06	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	1.75E-03
7092	ALL	488780.6	3614991	NonCancer	1.56E-03	5.30E-06	9.82E-04	0.00E+00	0.00E+00	9.82E-04	5.30E-06	0.00E+00	5.30E-06	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	1.56E-03
7093	ALL	488759.9	3614980	NonCancer	1.28E-03	4.37E-06	8.09E-04	0.00E+00	0.00E+00	8.09E-04	4.37E-06	0.00E+00	4.37E-06	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00	1.28E-03
7094	ALL	488739.1	3614968	NonCancer	9.83E-04	3.34E-06	6.19E-04	0.00E+00	0.00E+00	6.19E-04	3.34E-06	0.00E+00	3.34E-06	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	9.83E-04
7095	ALL	488718.4	3614957	NonCancer	7.07E-04	2.40E-06	4.45E-04	0.00E+00	0.00E+00	4.45E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	7.07E-04
7096	ALL	488697.7	3614946	NonCancer	4.86E-04	1.65E-06	3.06E-04	0.00E+00	0.00E+00	3.06E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	4.86E-04
7097	ALL	488677	3614934	NonCancer	3.76E-04	1.28E-06	2.37E-04	0.00E+00	0.00E+00	2.37E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	3.76E-04
7098	ALL	488656.3	3614923	NonCancer	3.74E-04	1.27E-06	2.36E-04	0.00E+00	0.00E+00	2.36E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	3.74E-04
7099	ALL	488635.6	3614912	NonCancer	3.72E-04	1.26E-06	2.34E-04	0.00E+00	0.00E+00	2.34E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	3.72E-04
7100	ALL	488614.9	3614900	NonCancer	3.69E-04	1.25E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.69E-04
7101	ALL	488594.2	3614889	NonCancer	3.66E-04	1.24E-06	2.30E-04	0.00E+00	0.00E+00	2.30E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	3.66E-04
7102	ALL	488573.5	3614878	NonCancer	3.62E-04	1.23E-06	2.28E-04	0.00E+00	0.00E+00	2.28E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	3.62E-04
7103	ALL	488552.8	3614866	NonCancer	3.58E-04	1.22E-06	2.26E-04	0.00E+00	0.00E+00	2.26E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	3.58E-04
7104	ALL	488532.1	3614855	NonCancer	3.54E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.54E-04
7105	ALL	488511.4	3614844	NonCancer	3.50E-04	1.19E-06	2.20E-04	0.00E+00	0.00E+00	2.20E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	3.50E-04
7106	ALL	488490.6	3614832	NonCancer	3.45E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.45E-04
7107	ALL	488469.9	3614821	NonCancer	3.57E-04	1.21E-06	2.25E-04	0.00E+00	0.00E+00	2.25E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	3.57E-04
7108	ALL	488449.2	3614810	NonCancer	4.06E-04	1.38E-06	2.56E-04	0.00E+00	0.00E+00	2.56E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	4.06E-04
7109	ALL	488421.9	3614776	NonCancer	5.28E-04	1.80E-06	3.33E-04	0.00E+00	0.00E+00	3.33E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	5.28E-04
7110	ALL	488415.4	3614753	NonCancer	5.82E-04	1.98E-06	3.67E-04	0.00E+00	0.00E+00	3.67E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	5.82E-04
7111	ALL	488408.8	3614730	NonCancer	6.38E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.38E-04
7112	ALL	488402.2	3614708	NonCancer	7.80E-04	2.65E-06	4.91E-04	0.00E+00	0.00E+00	4.91E-04	2.65E-06	0.00E+00	2.65E-06	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	7.80E-04
7113	ALL	488395.6	3614685	NonCancer	9.03E-04	3.07E-06	5.69E-04	0.00E+00	0.00E+00	5.69E-04	3.07E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	9.03E-04
7114	ALL	488389.1	3614662	NonCancer	9.89E-04	3.36E-06	6.23E-04	0.00E+00	0.00E+00	6.23E-04	3.36E-06	0.00E+00	3.36E-06	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	9.89E-04
7115	ALL	488382.5	3614640	NonCancer	1.02E-03	3.47E-06	6.43E-04	0.00E+00	0.00E+00	6.43E-04	3.47E-06	0.00E+00	3.47E-06	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	1.02E-03
7116	ALL	488375.9	3614617	NonCancer	1.25E-03	4.24E-06	7.86E-04	0.00E+00	0.00E+00	7.86E-04	4.24E-06	0.00E+00	4.24E-06	0.00E+00	0.00E+00	7.86E-04	0.00E+00	0.00E+00	1.25E-03
7117	ALL	488369.3	3614594	NonCancer	1.49E-03	5.07E-06	9.39E-04	0.00E+00	0.00E+00	9.39E-04	5.07E-06	0.00E+00	5.07E-06	0.00E+00	0.00E+00	9.39E-04	0.00E+00	0.00E+00	1.49E-03
7118	ALL	488362.7	3614572	NonCancer	1.65E-03	5.62E-06	1.04E-03	0.00E+00	0.00E+00	1.04E-03	5.62E-06	0.00E+00	5.62E-06	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.65E-03
7119	ALL	488356.2	3614549	NonCancer	1.70E-03	5.78E-06	1.07E-03	0.00E+00	0.00E+00	1.07E-03	5.78E-06	0.00E+00	5.78E-06	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.70E-03
7120	ALL	488349.6	3614526	NonCancer	1.62E-03	5.49E-06	1.02E-03	0.00E+00	0.00E+00	1.02E-03	5.49E-06	0.00E+00	5.49E-06	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.62E-03
7121	ALL	488343	3614504	NonCancer	1.54E-03	5.23E-06	9.69E-04	0.00E+00	0.00E+00	9.69E-04	5.23E-06	0.00E+00	5.23E-06	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00	1.54E-03
7122	ALL	488336.4	3614481	NonCancer	1.68E-03	5.71E-06	1.06E-03	0.00E+00	0.00E+00	1.06E-03	5.71E-06	0.00E+00	5.71E-06	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.68E-03
7123	ALL	488329.9	3614458	NonCancer	1.70E-03	5.77E-06	1.07E-03	0.00E+00	0.00E+00	1.07E-03	5.77E-06	0.00E+00	5.77E-06	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.70E-03

7124	ALL	488323.3	3614436	NonCancer	1.59E-03	5.40E-06	9.99E-04	0.00E+00	0.00E+00	9.99E-04	5.40E-06	0.00E+00	5.40E-06	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00	1.59E-03
7125	ALL	488316.7	3614413	NonCancer	1.38E-03	4.68E-06	8.66E-04	0.00E+00	0.00E+00	8.66E-04	4.68E-06	0.00E+00	4.68E-06	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	1.38E-03
7126	ALL	488310.1	3614390	NonCancer	1.11E-03	3.77E-06	6.98E-04	0.00E+00	0.00E+00	6.98E-04	3.77E-06	0.00E+00	3.77E-06	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	1.11E-03
7127	ALL	488303.6	3614367	NonCancer	1.37E-03	4.67E-06	8.65E-04	0.00E+00	0.00E+00	8.65E-04	4.67E-06	0.00E+00	4.67E-06	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	1.37E-03
7128	ALL	488297	3614345	NonCancer	1.62E-03	5.52E-06	1.02E-03	0.00E+00	0.00E+00	1.02E-03	5.52E-06	0.00E+00	5.52E-06	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.62E-03
7129	ALL	488290.4	3614322	NonCancer	1.77E-03	6.03E-06	1.12E-03	0.00E+00	0.00E+00	1.12E-03	6.03E-06	0.00E+00	6.03E-06	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	1.77E-03
7130	ALL	488283.8	3614299	NonCancer	1.80E-03	6.11E-06	1.13E-03	0.00E+00	0.00E+00	1.13E-03	6.11E-06	0.00E+00	6.11E-06	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	1.80E-03
7131	ALL	488277.2	3614277	NonCancer	1.70E-03	5.78E-06	1.07E-03	0.00E+00	0.00E+00	1.07E-03	5.78E-06	0.00E+00	5.78E-06	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.70E-03
7132	ALL	488270.7	3614254	NonCancer	2.09E-03	7.12E-06	1.32E-03	0.00E+00	0.00E+00	1.32E-03	7.12E-06	0.00E+00	7.12E-06	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.09E-03
7133	ALL	488264.1	3614231	NonCancer	2.35E-03	7.99E-06	1.48E-03	0.00E+00	0.00E+00	1.48E-03	7.99E-06	0.00E+00	7.99E-06	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.35E-03
7134	ALL	488966.9	3615093	NonCancer	7.70E-04	2.62E-06	4.85E-04	0.00E+00	0.00E+00	4.85E-04	2.62E-06	0.00E+00	2.62E-06	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	7.70E-04
7135	ALL	488991	3615096	NonCancer	9.21E-04	3.13E-06	5.80E-04	0.00E+00	0.00E+00	5.80E-04	3.13E-06	0.00E+00	3.13E-06	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	9.21E-04
7136	ALL	489015	3615098	NonCancer	1.02E-03	3.48E-06	6.44E-04	0.00E+00	0.00E+00	6.44E-04	3.48E-06	0.00E+00	3.48E-06	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	1.02E-03
7137	ALL	489039	3615101	NonCancer	1.07E-03	3.64E-06	6.75E-04	0.00E+00	0.00E+00	6.75E-04	3.64E-06	0.00E+00	3.64E-06	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	1.07E-03
7138	ALL	488924.5	3615280	NonCancer	5.64E-04	1.92E-06	3.55E-04	0.00E+00	0.00E+00	3.55E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	5.64E-04
7139	ALL	488903.5	3615269	NonCancer	4.65E-04	1.58E-06	2.93E-04	0.00E+00	0.00E+00	2.93E-04	1.58E-06	0.00E+00	1.58E-06	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	4.65E-04
7140	ALL	488882.4	3615257	NonCancer	4.31E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.31E-04
7141	ALL	488861.4	3615246	NonCancer	5.92E-04	2.01E-06	3.73E-04	0.00E+00	0.00E+00	3.73E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	5.92E-04
7142	ALL	488840.4	3615234	NonCancer	7.84E-04	2.67E-06	4.94E-04	0.00E+00	0.00E+00	4.94E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	7.84E-04
7143	ALL	488819.3	3615223	NonCancer	9.90E-04	3.37E-06	6.23E-04	0.00E+00	0.00E+00	6.23E-04	3.37E-06	0.00E+00	3.37E-06	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	9.90E-04
7144	ALL	488798.3	3615211	NonCancer	1.18E-03	4.02E-06	7.45E-04	0.00E+00	0.00E+00	7.45E-04	4.02E-06	0.00E+00	4.02E-06	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	1.18E-03
7145	ALL	488777.3	3615200	NonCancer	1.33E-03	4.54E-06	8.40E-04	0.00E+00	0.00E+00	8.40E-04	4.54E-06	0.00E+00	4.54E-06	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00	1.33E-03
7146	ALL	488756.2	3615188	NonCancer	1.42E-03	4.82E-06	8.92E-04	0.00E+00	0.00E+00	8.92E-04	4.82E-06	0.00E+00	4.82E-06	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00	1.42E-03
7147	ALL	488735.2	3615177	NonCancer	1.42E-03	4.81E-06	8.91E-04	0.00E+00	0.00E+00	8.91E-04	4.81E-06	0.00E+00	4.81E-06	0.00E+00	0.00E+00	8.91E-04	0.00E+00	0.00E+00	1.42E-03
7148	ALL	488714.2	3615165	NonCancer	1.31E-03	4.46E-06	8.26E-04	0.00E+00	0.00E+00	8.26E-04	4.46E-06	0.00E+00	4.46E-06	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	1.31E-03
7149	ALL	488693.1	3615154	NonCancer	1.14E-03	3.88E-06	7.19E-04	0.00E+00	0.00E+00	7.19E-04	3.88E-06	0.00E+00	3.88E-06	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	1.14E-03
7150	ALL	488672.1	3615142	NonCancer	9.49E-04	3.23E-06	5.97E-04	0.00E+00	0.00E+00	5.97E-04	3.23E-06	0.00E+00	3.23E-06	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	9.49E-04
7151	ALL	488651.1	3615131	NonCancer	7.45E-04	2.53E-06	4.69E-04	0.00E+00	0.00E+00	4.69E-04	2.53E-06	0.00E+00	2.53E-06	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	7.45E-04
7152	ALL	488630.1	3615119	NonCancer	5.57E-04	1.89E-06	3.51E-04	0.00E+00	0.00E+00	3.51E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	5.57E-04
7153	ALL	488609	3615108	NonCancer	4.01E-04	1.36E-06	2.52E-04	0.00E+00	0.00E+00	2.52E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	4.01E-04
7154	ALL	488588	3615096	NonCancer	2.83E-04	9.63E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.63E-07	0.00E+00	9.63E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.83E-04
7155	ALL	488567	3615085	NonCancer	2.77E-04	9.43E-07	1.75E-04	0.00E+00	0.00E+00	1.75E-04	9.43E-07	0.00E+00	9.43E-07	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	2.77E-04
7156	ALL	488545.9	3615073	NonCancer	2.76E-04	9.38E-07	1.74E-04	0.00E+00	0.00E+00	1.74E-04	9.38E-07	0.00E+00	9.38E-07	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	2.76E-04
7157	ALL	488524.9	3615062	NonCancer	2.75E-04	9.33E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.33E-07	0.00E+00	9.33E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.75E-04
7158	ALL	488503.9	3615050	NonCancer	2.73E-04	9.28E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.28E-07	0.00E+00	9.28E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.73E-04
7159	ALL	488482.8	3615039	NonCancer	2.71E-04	9.21E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.21E-07	0.00E+00	9.21E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.71E-04
7160	ALL	488461.8	3615027	NonCancer	2.69E-04	9.14E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.14E-07	0.00E+00	9.14E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.69E-04
7161	ALL	488440.8	3615016	NonCancer	2.67E-04	9.06E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.06E-07	0.00E+00	9.06E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.67E-04
7162	ALL	488419.7	3615004	NonCancer	2.83E-04	9.63E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.63E-07	0.00E+00	9.63E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.83E-04
7163	ALL	488398.7	3614993	NonCancer	2.91E-04	9.88E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.88E-07	0.00E+00	9.88E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.91E-04
7164	ALL	488377.7	3614981	NonCancer	2.87E-04	9.75E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.75E-07	0.00E+00	9.75E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.87E-04
7165	ALL	488356.6	3614970	NonCancer	2.72E-04	9.26E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.26E-07	0.00E+00	9.26E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.72E-04
7166	ALL	488335.6	3614958	NonCancer	2.59E-04	8.80E-07	1.63E-04	0.00E+00	0.00E+00	1.63E-04	8.80E-07	0.00E+00	8.80E-07	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	2.59E-04
7167	ALL	488314.6	3614947	NonCancer	2.68E-04	9.11E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.11E-07	0.00E+00	9.11E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.68E-04
7168	ALL	488293.5	3614935	NonCancer	2.88E-04	9.78E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.78E-07	0.00E+00	9.78E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.88E-04
7169	ALL	488265.8	3614900	NonCancer	3.74E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.74E-04
7170	ALL	488259.2	3614877	NonCancer	4.16E-04	1.41E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.16E-04
7171	ALL	488252.5	3614854	NonCancer	4.50E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.50E-04
7172	ALL	488245.8	3614831	NonCancer	4.77E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.77E-04
7173	ALL	488239.1	3614808	NonCancer	5.74E-04	1.95E-06	3.61E-04	0.00E+00	0.00E+00	3.61E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	5.74E-04
7174	ALL	488232.4	3614785	NonCancer	6.63E-04	2.26E-06	4.18E-04	0.00E+00	0.00E+00	4.18E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	6.63E-04
7175	ALL	488225.8	3614762	NonCancer	7.33E-04	2.49E-06	4.62E-04	0.00E+00	0.00E+00	4.62E-04	2.49E-06	0.00E+00	2.49E-06	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	7.33E-04

7176	ALL	488219.1	3614739	NonCancer	7.74E-04	2.63E-06	4.88E-04	0.00E+00	0.00E+00	4.88E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	7.74E-04
7177	ALL	488212.4	3614716	NonCancer	7.80E-04	2.65E-06	4.91E-04	0.00E+00	0.00E+00	4.91E-04	2.65E-06	0.00E+00	2.65E-06	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	7.80E-04
7178	ALL	488205.7	3614693	NonCancer	9.54E-04	3.24E-06	6.00E-04	0.00E+00	0.00E+00	6.00E-04	3.24E-06	0.00E+00	3.24E-06	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	9.54E-04
7179	ALL	488199	3614670	NonCancer	1.12E-03	3.82E-06	7.07E-04	0.00E+00	0.00E+00	7.07E-04	3.82E-06	0.00E+00	3.82E-06	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	1.12E-03
7180	ALL	488192.4	3614647	NonCancer	1.25E-03	4.24E-06	7.85E-04	0.00E+00	0.00E+00	7.85E-04	4.24E-06	0.00E+00	4.24E-06	0.00E+00	0.00E+00	7.85E-04	0.00E+00	0.00E+00	1.25E-03
7181	ALL	488185.7	3614624	NonCancer	1.30E-03	4.43E-06	8.21E-04	0.00E+00	0.00E+00	8.21E-04	4.43E-06	0.00E+00	4.43E-06	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	1.30E-03
7182	ALL	488179	3614601	NonCancer	1.28E-03	4.36E-06	8.07E-04	0.00E+00	0.00E+00	8.07E-04	4.36E-06	0.00E+00	4.36E-06	0.00E+00	0.00E+00	8.07E-04	0.00E+00	0.00E+00	1.28E-03
7183	ALL	488172.3	3614578	NonCancer	1.19E-03	4.03E-06	7.47E-04	0.00E+00	0.00E+00	7.47E-04	4.03E-06	0.00E+00	4.03E-06	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00	1.19E-03
7184	ALL	488165.6	3614555	NonCancer	1.19E-03	4.04E-06	7.49E-04	0.00E+00	0.00E+00	7.49E-04	4.04E-06	0.00E+00	4.04E-06	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	1.19E-03
7185	ALL	488159	3614532	NonCancer	1.28E-03	4.37E-06	8.08E-04	0.00E+00	0.00E+00	8.08E-04	4.37E-06	0.00E+00	4.37E-06	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	1.28E-03
7186	ALL	488152.3	3614509	NonCancer	1.30E-03	4.44E-06	8.22E-04	0.00E+00	0.00E+00	8.22E-04	4.44E-06	0.00E+00	4.44E-06	0.00E+00	0.00E+00	8.22E-04	0.00E+00	0.00E+00	1.30E-03
7187	ALL	488145.6	3614486	NonCancer	1.25E-03	4.24E-06	7.86E-04	0.00E+00	0.00E+00	7.86E-04	4.24E-06	0.00E+00	4.24E-06	0.00E+00	0.00E+00	7.86E-04	0.00E+00	0.00E+00	1.25E-03
7188	ALL	488138.9	3614463	NonCancer	1.12E-03	3.82E-06	7.07E-04	0.00E+00	0.00E+00	7.07E-04	3.82E-06	0.00E+00	3.82E-06	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	1.12E-03
7189	ALL	488132.2	3614440	NonCancer	9.54E-04	3.24E-06	6.00E-04	0.00E+00	0.00E+00	6.00E-04	3.24E-06	0.00E+00	3.24E-06	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	9.54E-04
7190	ALL	488125.6	3614417	NonCancer	8.45E-04	2.87E-06	5.32E-04	0.00E+00	0.00E+00	5.32E-04	2.87E-06	0.00E+00	2.87E-06	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	8.45E-04
7191	ALL	488118.9	3614394	NonCancer	1.02E-03	3.47E-06	6.42E-04	0.00E+00	0.00E+00	6.42E-04	3.47E-06	0.00E+00	3.47E-06	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	1.02E-03
7192	ALL	488112.2	3614371	NonCancer	1.20E-03	4.07E-06	7.55E-04	0.00E+00	0.00E+00	7.55E-04	4.07E-06	0.00E+00	4.07E-06	0.00E+00	0.00E+00	7.55E-04	0.00E+00	0.00E+00	1.20E-03
7193	ALL	488105.5	3614348	NonCancer	1.33E-03	4.51E-06	8.35E-04	0.00E+00	0.00E+00	8.35E-04	4.51E-06	0.00E+00	4.51E-06	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	1.33E-03
7194	ALL	488098.8	3614325	NonCancer	1.38E-03	4.70E-06	8.70E-04	0.00E+00	0.00E+00	8.70E-04	4.70E-06	0.00E+00	4.70E-06	0.00E+00	0.00E+00	8.70E-04	0.00E+00	0.00E+00	1.38E-03
7195	ALL	488092.2	3614302	NonCancer	1.36E-03	4.61E-06	8.54E-04	0.00E+00	0.00E+00	8.54E-04	4.61E-06	0.00E+00	4.61E-06	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00	1.36E-03
7196	ALL	488085.5	3614279	NonCancer	1.31E-03	4.46E-06	8.27E-04	0.00E+00	0.00E+00	8.27E-04	4.46E-06	0.00E+00	4.46E-06	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00	1.31E-03
7197	ALL	488078.8	3614256	NonCancer	1.58E-03	5.38E-06	9.96E-04	0.00E+00	0.00E+00	9.96E-04	5.38E-06	0.00E+00	5.38E-06	0.00E+00	0.00E+00	9.96E-04	0.00E+00	0.00E+00	1.58E-03
7198	ALL	488072.1	3614233	NonCancer	1.77E-03	6.03E-06	1.12E-03	0.00E+00	0.00E+00	1.12E-03	6.03E-06	0.00E+00	6.03E-06	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	1.77E-03
7199	ALL	488065.4	3614210	NonCancer	1.85E-03	6.28E-06	1.16E-03	0.00E+00	0.00E+00	1.16E-03	6.28E-06	0.00E+00	6.28E-06	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	1.85E-03
7200	ALL	488945.5	3615292	NonCancer	6.54E-04	2.22E-06	4.12E-04	0.00E+00	0.00E+00	4.12E-04	2.22E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	6.54E-04
7201	ALL	488969.6	3615295	NonCancer	7.39E-04	2.51E-06	4.66E-04	0.00E+00	0.00E+00	4.66E-04	2.51E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	7.39E-04
7202	ALL	488993.6	3615297	NonCancer	7.96E-04	2.71E-06	5.01E-04	0.00E+00	0.00E+00	5.01E-04	2.71E-06	0.00E+00	2.71E-06	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	7.96E-04
7203	ALL	489017.6	3615300	NonCancer	8.16E-04	2.78E-06	5.14E-04	0.00E+00	0.00E+00	5.14E-04	2.78E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	8.16E-04
7204	ALL	488903.4	3615480	NonCancer	5.00E-04	1.70E-06	3.15E-04	0.00E+00	0.00E+00	3.15E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	5.00E-04
7205	ALL	488882.7	3615468	NonCancer	4.35E-04	1.48E-06	2.74E-04	0.00E+00	0.00E+00	2.74E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	4.35E-04
7206	ALL	488862	3615457	NonCancer	3.66E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.66E-04
7207	ALL	488841.3	3615445	NonCancer	2.99E-04	1.01E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.99E-04
7208	ALL	488820.6	3615434	NonCancer	3.55E-04	1.21E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.55E-04
7209	ALL	488799.9	3615423	NonCancer	4.69E-04	1.59E-06	2.95E-04	0.00E+00	0.00E+00	2.95E-04	1.59E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	4.69E-04
7210	ALL	488779.2	3615411	NonCancer	6.02E-04	2.05E-06	3.79E-04	0.00E+00	0.00E+00	3.79E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	6.02E-04
7211	ALL	488758.5	3615400	NonCancer	7.44E-04	2.53E-06	4.69E-04	0.00E+00	0.00E+00	4.69E-04	2.53E-06	0.00E+00	2.53E-06	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	7.44E-04
7212	ALL	488737.7	3615389	NonCancer	8.84E-04	3.01E-06	5.57E-04	0.00E+00	0.00E+00	5.57E-04	3.01E-06	0.00E+00	3.01E-06	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	8.84E-04
7213	ALL	488717	3615377	NonCancer	1.00E-03	3.41E-06	6.32E-04	0.00E+00	0.00E+00	6.32E-04	3.41E-06	0.00E+00	3.41E-06	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	1.00E-03
7214	ALL	488696.3	3615366	NonCancer	1.09E-03	3.71E-06	6.86E-04	0.00E+00	0.00E+00	6.86E-04	3.71E-06	0.00E+00	3.71E-06	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00	1.09E-03
7215	ALL	488675.6	3615355	NonCancer	1.13E-03	3.84E-06	7.11E-04	0.00E+00	0.00E+00	7.11E-04	3.84E-06	0.00E+00	3.84E-06	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00	1.13E-03
7216	ALL	488654.9	3615343	NonCancer	1.11E-03	3.79E-06	7.02E-04	0.00E+00	0.00E+00	7.02E-04	3.79E-06	0.00E+00	3.79E-06	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00	1.11E-03
7217	ALL	488634.2	3615332	NonCancer	1.05E-03	3.57E-06	6.61E-04	0.00E+00	0.00E+00	6.61E-04	3.57E-06	0.00E+00	3.57E-06	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	1.05E-03
7218	ALL	488613.5	3615321	NonCancer	9.35E-04	3.18E-06	5.89E-04	0.00E+00	0.00E+00	5.89E-04	3.18E-06	0.00E+00	3.18E-06	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	9.35E-04
7219	ALL	488592.8	3615309	NonCancer	7.90E-04	2.69E-06	4.97E-04	0.00E+00	0.00E+00	4.97E-04	2.69E-06	0.00E+00	2.69E-06	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	7.90E-04
7220	ALL	488572.1	3615298	NonCancer	6.48E-04	2.20E-06	4.08E-04	0.00E+00	0.00E+00	4.08E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	6.48E-04
7221	ALL	488551.4	3615287	NonCancer	5.10E-04	1.73E-06	3.21E-04	0.00E+00	0.00E+00	3.21E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	5.10E-04
7222	ALL	488530.7	3615275	NonCancer	3.87E-04	1.32E-06	2.44E-04	0.00E+00	0.00E+00	2.44E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	3.87E-04
7223	ALL	488510	3615264	NonCancer	2.87E-04	9.77E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.77E-07	0.00E+00	9.77E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.87E-04
7224	ALL	488489.3	3615253	NonCancer	2.15E-04	7.32E-07	1.36E-04	0.00E+00	0.00E+00	1.36E-04	7.32E-07	0.00E+00	7.32E-07	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	2.15E-04
7225	ALL	488468.5	3615241	NonCancer	2.15E-04	7.30E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.30E-07	0.00E+00	7.30E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.15E-04
7226	ALL	488447.8	3615230	NonCancer	2.14E-04	7.27E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.27E-07	0.00E+00	7.27E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.14E-04
7227	ALL	488427.1	3615219	NonCancer	2.13E-04	7.24E-07	1.34E-04	0.00E+00	0.00E+00	1.34E-04	7.24E-07	0.00E+00	7.24E-07	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	2.13E-04

7228	ALL	488406.4	3615207	NonCancer	2.12E-04	7.21E-07	1.34E-04	0.00E+00	0.00E+00	1.34E-04	7.21E-07	0.00E+00	7.21E-07	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	2.12E-04
7229	ALL	488385.7	3615196	NonCancer	2.11E-04	7.17E-07	1.33E-04	0.00E+00	0.00E+00	1.33E-04	7.17E-07	0.00E+00	7.17E-07	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.11E-04
7230	ALL	488365	3615185	NonCancer	2.10E-04	7.13E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.13E-07	0.00E+00	7.13E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.10E-04
7231	ALL	488344.3	3615173	NonCancer	2.08E-04	7.09E-07	1.31E-04	0.00E+00	0.00E+00	1.31E-04	7.09E-07	0.00E+00	7.09E-07	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	2.08E-04
7232	ALL	488323.6	3615162	NonCancer	2.19E-04	7.46E-07	1.38E-04	0.00E+00	0.00E+00	1.38E-04	7.46E-07	0.00E+00	7.46E-07	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	2.19E-04
7233	ALL	488302.9	3615151	NonCancer	2.39E-04	8.12E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04	8.12E-07	0.00E+00	8.12E-07	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	2.39E-04
7234	ALL	488282.2	3615139	NonCancer	2.52E-04	8.56E-07	1.59E-04	0.00E+00	0.00E+00	1.59E-04	8.56E-07	0.00E+00	8.56E-07	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	2.52E-04
7235	ALL	488261.5	3615128	NonCancer	2.58E-04	8.76E-07	1.62E-04	0.00E+00	0.00E+00	1.62E-04	8.76E-07	0.00E+00	8.76E-07	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.58E-04
7236	ALL	488240.8	3615117	NonCancer	2.56E-04	8.69E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.69E-07	0.00E+00	8.69E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.56E-04
7237	ALL	488220	3615105	NonCancer	2.46E-04	8.37E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.37E-07	0.00E+00	8.37E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.46E-04
7238	ALL	488199.3	3615094	NonCancer	2.30E-04	7.84E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.84E-07	0.00E+00	7.84E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
7239	ALL	488178.6	3615083	NonCancer	2.10E-04	7.13E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.13E-07	0.00E+00	7.13E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.10E-04
7240	ALL	488157.9	3615071	NonCancer	2.11E-04	7.17E-07	1.33E-04	0.00E+00	0.00E+00	1.33E-04	7.17E-07	0.00E+00	7.17E-07	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.11E-04
7241	ALL	488137.2	3615060	NonCancer	2.15E-04	7.31E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.31E-07	0.00E+00	7.31E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.15E-04
7242	ALL	488109.9	3615026	NonCancer	2.76E-04	9.38E-07	1.74E-04	0.00E+00	0.00E+00	1.74E-04	9.38E-07	0.00E+00	9.38E-07	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	2.76E-04
7243	ALL	488103.3	3615003	NonCancer	3.08E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.08E-04
7244	ALL	488096.8	3614981	NonCancer	3.36E-04	1.14E-06	2.12E-04	0.00E+00	0.00E+00	2.12E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	3.36E-04
7245	ALL	488090.2	3614958	NonCancer	3.58E-04	1.22E-06	2.26E-04	0.00E+00	0.00E+00	2.26E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	3.58E-04
7246	ALL	488083.6	3614935	NonCancer	3.72E-04	1.27E-06	2.34E-04	0.00E+00	0.00E+00	2.34E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	3.72E-04
7247	ALL	488077	3614913	NonCancer	4.31E-04	1.47E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.31E-04
7248	ALL	488070.5	3614890	NonCancer	4.97E-04	1.69E-06	3.13E-04	0.00E+00	0.00E+00	3.13E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	4.97E-04
7249	ALL	488063.9	3614867	NonCancer	5.55E-04	1.89E-06	3.49E-04	0.00E+00	0.00E+00	3.49E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	5.55E-04
7250	ALL	488057.3	3614845	NonCancer	5.98E-04	2.03E-06	3.76E-04	0.00E+00	0.00E+00	3.76E-04	2.03E-06	0.00E+00	2.03E-06	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	5.98E-04
7251	ALL	488050.7	3614822	NonCancer	6.21E-04	2.11E-06	3.91E-04	0.00E+00	0.00E+00	3.91E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	6.21E-04
7252	ALL	488044.2	3614799	NonCancer	6.22E-04	2.12E-06	3.92E-04	0.00E+00	0.00E+00	3.92E-04	2.12E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	6.22E-04
7253	ALL	488037.6	3614777	NonCancer	7.16E-04	2.43E-06	4.51E-04	0.00E+00	0.00E+00	4.51E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	7.16E-04
7254	ALL	488031	3614754	NonCancer	8.42E-04	2.86E-06	5.30E-04	0.00E+00	0.00E+00	5.30E-04	2.86E-06	0.00E+00	2.86E-06	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	8.42E-04
7255	ALL	488024.4	3614731	NonCancer	9.46E-04	3.22E-06	5.96E-04	0.00E+00	0.00E+00	5.96E-04	3.22E-06	0.00E+00	3.22E-06	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	9.46E-04
7256	ALL	488017.8	3614708	NonCancer	1.02E-03	3.46E-06	6.40E-04	0.00E+00	0.00E+00	6.40E-04	3.46E-06	0.00E+00	3.46E-06	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	1.02E-03
7257	ALL	488011.3	3614686	NonCancer	1.04E-03	3.54E-06	6.56E-04	0.00E+00	0.00E+00	6.56E-04	3.54E-06	0.00E+00	3.54E-06	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	1.04E-03
7258	ALL	488004.7	3614663	NonCancer	1.02E-03	3.46E-06	6.42E-04	0.00E+00	0.00E+00	6.42E-04	3.46E-06	0.00E+00	3.46E-06	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	1.02E-03
7259	ALL	487998.1	3614640	NonCancer	9.51E-04	3.23E-06	5.99E-04	0.00E+00	0.00E+00	5.99E-04	3.23E-06	0.00E+00	3.23E-06	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00	9.51E-04
7260	ALL	487991.5	3614618	NonCancer	9.06E-04	3.08E-06	5.70E-04	0.00E+00	0.00E+00	5.70E-04	3.08E-06	0.00E+00	3.08E-06	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	9.06E-04
7261	ALL	487985	3614595	NonCancer	9.93E-04	3.38E-06	6.25E-04	0.00E+00	0.00E+00	6.25E-04	3.38E-06	0.00E+00	3.38E-06	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	9.93E-04
7262	ALL	487978.4	3614572	NonCancer	1.04E-03	3.53E-06	6.54E-04	0.00E+00	0.00E+00	6.54E-04	3.53E-06	0.00E+00	3.53E-06	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	1.04E-03
7263	ALL	487971.8	3614550	NonCancer	1.04E-03	3.52E-06	6.52E-04	0.00E+00	0.00E+00	6.52E-04	3.52E-06	0.00E+00	3.52E-06	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00	1.04E-03
7264	ALL	487965.2	3614527	NonCancer	9.86E-04	3.35E-06	6.21E-04	0.00E+00	0.00E+00	6.21E-04	3.35E-06	0.00E+00	3.35E-06	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	9.86E-04
7265	ALL	487958.7	3614504	NonCancer	8.96E-04	3.05E-06	5.64E-04	0.00E+00	0.00E+00	5.64E-04	3.05E-06	0.00E+00	3.05E-06	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	8.96E-04
7266	ALL	487952.1	3614482	NonCancer	7.78E-04	2.64E-06	4.90E-04	0.00E+00	0.00E+00	4.90E-04	2.64E-06	0.00E+00	2.64E-06	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	7.78E-04
7267	ALL	487945.5	3614459	NonCancer	6.60E-04	2.24E-06	4.16E-04	0.00E+00	0.00E+00	4.16E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	6.60E-04
7268	ALL	487938.9	3614436	NonCancer	7.06E-04	2.40E-06	4.45E-04	0.00E+00	0.00E+00	4.45E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	7.06E-04
7269	ALL	487932.3	3614414	NonCancer	8.28E-04	2.82E-06	5.21E-04	0.00E+00	0.00E+00	5.21E-04	2.82E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	8.28E-04
7270	ALL	487925.8	3614391	NonCancer	9.53E-04	3.24E-06	6.00E-04	0.00E+00	0.00E+00	6.00E-04	3.24E-06	0.00E+00	3.24E-06	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	9.53E-04
7271	ALL	487919.2	3614368	NonCancer	1.05E-03	3.56E-06	6.59E-04	0.00E+00	0.00E+00	6.59E-04	3.56E-06	0.00E+00	3.56E-06	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	1.05E-03
7272	ALL	487912.6	3614346	NonCancer	1.10E-03	3.73E-06	6.91E-04	0.00E+00	0.00E+00	6.91E-04	3.73E-06	0.00E+00	3.73E-06	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	1.10E-03
7273	ALL	487906	3614323	NonCancer	1.10E-03	3.74E-06	6.92E-04	0.00E+00	0.00E+00	6.92E-04	3.74E-06	0.00E+00	3.74E-06	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00	1.10E-03
7274	ALL	487899.5	3614300	NonCancer	1.05E-03	3.58E-06	6.63E-04	0.00E+00	0.00E+00	6.63E-04	3.58E-06	0.00E+00	3.58E-06	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	1.05E-03
7275	ALL	487892.9	3614278	NonCancer	1.08E-03	3.67E-06	6.80E-04	0.00E+00	0.00E+00	6.80E-04	3.67E-06	0.00E+00	3.67E-06	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	1.08E-03
7276	ALL	487886.3	3614255	NonCancer	1.27E-03	4.31E-06	7.98E-04	0.00E+00	0.00E+00	7.98E-04	4.31E-06	0.00E+00	4.31E-06	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00	1.27E-03
7277	ALL	487879.7	3614232	NonCancer	1.41E-03	4.78E-06	8.85E-04	0.00E+00	0.00E+00	8.85E-04	4.78E-06	0.00E+00	4.78E-06	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	1.41E-03
7278	ALL	487873.2	3614210	NonCancer	1.48E-03	5.02E-06	9.29E-04	0.00E+00	0.00E+00	9.29E-04	5.02E-06	0.00E+00	5.02E-06	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	1.48E-03
7279	ALL	487866.6	3614187	NonCancer	1.47E-03	4.98E-06	9.23E-04	0.00E+00	0.00E+00	9.23E-04	4.98E-06	0.00E+00	4.98E-06	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00	1.47E-03

7280	ALL	488924.1	3615491	NonCancer	5.55E-04	1.89E-06	3.50E-04	0.00E+00	0.00E+00	3.50E-04	1.89E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	5.55E-04
7281	ALL	488948.2	3615493	NonCancer	6.05E-04	2.06E-06	3.81E-04	0.00E+00	0.00E+00	3.81E-04	2.06E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	6.05E-04
7282	ALL	488972.2	3615496	NonCancer	6.35E-04	2.16E-06	4.00E-04	0.00E+00	0.00E+00	4.00E-04	2.16E-06	0.00E+00	2.16E-06	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	6.35E-04
7283	ALL	488996.2	3615499	NonCancer	6.41E-04	2.18E-06	4.04E-04	0.00E+00	0.00E+00	4.04E-04	2.18E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	6.41E-04
7284	ALL	489020.3	3615501	NonCancer	7.16E-04	2.43E-06	4.51E-04	0.00E+00	0.00E+00	4.51E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	7.16E-04
7285	ALL	488881.8	3615678	NonCancer	4.39E-04	1.49E-06	2.76E-04	0.00E+00	0.00E+00	2.76E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	4.39E-04
7286	ALL	488860.8	3615667	NonCancer	3.95E-04	1.34E-06	2.49E-04	0.00E+00	0.00E+00	2.49E-04	1.34E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	3.95E-04
7287	ALL	488839.9	3615655	NonCancer	3.45E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.45E-04
7288	ALL	488819	3615644	NonCancer	2.93E-04	9.98E-07	1.85E-04	0.00E+00	0.00E+00	1.85E-04	9.98E-07	0.00E+00	9.98E-07	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.93E-04
7289	ALL	488798	3615632	NonCancer	2.44E-04	8.30E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.30E-07	0.00E+00	8.30E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.44E-04
7290	ALL	488777.1	3615621	NonCancer	2.34E-04	7.95E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.95E-07	0.00E+00	7.95E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.34E-04
7291	ALL	488756.2	3615609	NonCancer	3.06E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.06E-04
7292	ALL	488735.2	3615598	NonCancer	3.95E-04	1.34E-06	2.48E-04	0.00E+00	0.00E+00	2.48E-04	1.34E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	3.95E-04
7293	ALL	488714.3	3615587	NonCancer	4.95E-04	1.68E-06	3.12E-04	0.00E+00	0.00E+00	3.12E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	4.95E-04
7294	ALL	488693.3	3615575	NonCancer	6.02E-04	2.05E-06	3.79E-04	0.00E+00	0.00E+00	3.79E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	6.02E-04
7295	ALL	488672.4	3615564	NonCancer	7.08E-04	2.41E-06	4.46E-04	0.00E+00	0.00E+00	4.46E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	7.08E-04
7296	ALL	488651.5	3615552	NonCancer	8.02E-04	2.73E-06	5.05E-04	0.00E+00	0.00E+00	5.05E-04	2.73E-06	0.00E+00	2.73E-06	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	8.02E-04
7297	ALL	488630.5	3615541	NonCancer	8.74E-04	2.97E-06	5.50E-04	0.00E+00	0.00E+00	5.50E-04	2.97E-06	0.00E+00	2.97E-06	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	8.74E-04
7298	ALL	488609.6	3615529	NonCancer	9.16E-04	3.11E-06	5.77E-04	0.00E+00	0.00E+00	5.77E-04	3.11E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	9.16E-04
7299	ALL	488588.6	3615518	NonCancer	9.23E-04	3.14E-06	5.81E-04	0.00E+00	0.00E+00	5.81E-04	3.14E-06	0.00E+00	3.14E-06	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	9.23E-04
7300	ALL	488567.7	3615506	NonCancer	8.93E-04	3.04E-06	5.62E-04	0.00E+00	0.00E+00	5.62E-04	3.04E-06	0.00E+00	3.04E-06	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	8.93E-04
7301	ALL	488546.8	3615495	NonCancer	8.30E-04	2.82E-06	5.23E-04	0.00E+00	0.00E+00	5.23E-04	2.82E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	8.30E-04
7302	ALL	488525.8	3615483	NonCancer	7.42E-04	2.52E-06	4.67E-04	0.00E+00	0.00E+00	4.67E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	7.42E-04
7303	ALL	488504.9	3615472	NonCancer	6.31E-04	2.15E-06	3.97E-04	0.00E+00	0.00E+00	3.97E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	6.31E-04
7304	ALL	488484	3615460	NonCancer	5.19E-04	1.76E-06	3.27E-04	0.00E+00	0.00E+00	3.27E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	5.19E-04
7305	ALL	488463	3615449	NonCancer	4.15E-04	1.41E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.15E-04
7306	ALL	488442.1	3615437	NonCancer	3.23E-04	1.10E-06	2.03E-04	0.00E+00	0.00E+00	2.03E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	3.23E-04
7307	ALL	488421.1	3615426	NonCancer	2.46E-04	8.36E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.36E-07	0.00E+00	8.36E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.46E-04
7308	ALL	488400.2	3615415	NonCancer	1.85E-04	6.29E-07	1.16E-04	0.00E+00	0.00E+00	1.16E-04	6.29E-07	0.00E+00	6.29E-07	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.85E-04
7309	ALL	488379.3	3615403	NonCancer	1.72E-04	5.85E-07	1.08E-04	0.00E+00	0.00E+00	1.08E-04	5.85E-07	0.00E+00	5.85E-07	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	1.72E-04
7310	ALL	488358.3	3615392	NonCancer	1.72E-04	5.84E-07	1.08E-04	0.00E+00	0.00E+00	1.08E-04	5.84E-07	0.00E+00	5.84E-07	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	1.72E-04
7311	ALL	488337.4	3615380	NonCancer	1.71E-04	5.82E-07	1.08E-04	0.00E+00	0.00E+00	1.08E-04	5.82E-07	0.00E+00	5.82E-07	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	1.71E-04
7312	ALL	488316.4	3615369	NonCancer	1.71E-04	5.80E-07	1.07E-04	0.00E+00	0.00E+00	1.07E-04	5.80E-07	0.00E+00	5.80E-07	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	1.71E-04
7313	ALL	488295.5	3615357	NonCancer	1.70E-04	5.78E-07	1.07E-04	0.00E+00	0.00E+00	1.07E-04	5.78E-07	0.00E+00	5.78E-07	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	1.70E-04
7314	ALL	488274.6	3615346	NonCancer	1.69E-04	5.75E-07	1.06E-04	0.00E+00	0.00E+00	1.06E-04	5.75E-07	0.00E+00	5.75E-07	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.69E-04
7315	ALL	488253.6	3615334	NonCancer	1.68E-04	5.72E-07	1.06E-04	0.00E+00	0.00E+00	1.06E-04	5.72E-07	0.00E+00	5.72E-07	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.68E-04
7316	ALL	488232.7	3615323	NonCancer	1.67E-04	5.69E-07	1.05E-04	0.00E+00	0.00E+00	1.05E-04	5.69E-07	0.00E+00	5.69E-07	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.67E-04
7317	ALL	488211.8	3615311	NonCancer	1.79E-04	6.08E-07	1.13E-04	0.00E+00	0.00E+00	1.13E-04	6.08E-07	0.00E+00	6.08E-07	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	1.79E-04
7318	ALL	488190.8	3615300	NonCancer	1.99E-04	6.75E-07	1.25E-04	0.00E+00	0.00E+00	1.25E-04	6.75E-07	0.00E+00	6.75E-07	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	1.99E-04
7319	ALL	488169.9	3615288	NonCancer	2.15E-04	7.30E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.30E-07	0.00E+00	7.30E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.15E-04
7320	ALL	488148.9	3615277	NonCancer	2.26E-04	7.68E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.68E-07	0.00E+00	7.68E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.26E-04
7321	ALL	488128	3615265	NonCancer	2.32E-04	7.88E-07	1.46E-04	0.00E+00	0.00E+00	1.46E-04	7.88E-07	0.00E+00	7.88E-07	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	2.32E-04
7322	ALL	488107.1	3615254	NonCancer	2.32E-04	7.88E-07	1.46E-04	0.00E+00	0.00E+00	1.46E-04	7.88E-07	0.00E+00	7.88E-07	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	2.32E-04
7323	ALL	488086.1	3615243	NonCancer	2.26E-04	7.68E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.68E-07	0.00E+00	7.68E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.26E-04
7324	ALL	488065.2	3615231	NonCancer	2.15E-04	7.31E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.31E-07	0.00E+00	7.31E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.15E-04
7325	ALL	488044.2	3615220	NonCancer	2.00E-04	6.80E-07	1.26E-04	0.00E+00	0.00E+00	1.26E-04	6.80E-07	0.00E+00	6.80E-07	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	2.00E-04
7326	ALL	488023.3	3615208	NonCancer	1.82E-04	6.17E-07	1.14E-04	0.00E+00	0.00E+00	1.14E-04	6.17E-07	0.00E+00	6.17E-07	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	1.82E-04
7327	ALL	488002.4	3615197	NonCancer	1.71E-04	5.83E-07	1.08E-04	0.00E+00	0.00E+00	1.08E-04	5.83E-07	0.00E+00	5.83E-07	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	1.71E-04
7328	ALL	487981.4	3615185	NonCancer	1.73E-04	5.88E-07	1.09E-04	0.00E+00	0.00E+00	1.09E-04	5.88E-07	0.00E+00	5.88E-07	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	1.73E-04
7329	ALL	487953.8	3615151	NonCancer	2.12E-04	7.20E-07	1.33E-04	0.00E+00	0.00E+00	1.33E-04	7.20E-07	0.00E+00	7.20E-07	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.12E-04
7330	ALL	487947.2	3615128	NonCancer	2.37E-04	8.05E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.05E-07	0.00E+00	8.05E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.37E-04
7331	ALL	487940.5	3615105	NonCancer	2.60E-04	8.84E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.84E-07	0.00E+00	8.84E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.60E-04

7332	ALL	487933.9	3615082	NonCancer	2.80E-04	9.52E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.52E-07	0.00E+00	9.52E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.80E-04
7333	ALL	487927.2	3615059	NonCancer	2.96E-04	1.00E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.96E-04
7334	ALL	487920.6	3615036	NonCancer	3.05E-04	1.04E-06	1.92E-04	0.00E+00	0.00E+00	1.92E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	3.05E-04
7335	ALL	487913.9	3615013	NonCancer	3.43E-04	1.17E-06	2.16E-04	0.00E+00	0.00E+00	2.16E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	3.43E-04
7336	ALL	487907.3	3614990	NonCancer	3.94E-04	1.34E-06	2.48E-04	0.00E+00	0.00E+00	2.48E-04	1.34E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	3.94E-04
7337	ALL	487900.6	3614967	NonCancer	4.40E-04	1.50E-06	2.77E-04	0.00E+00	0.00E+00	2.77E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	4.40E-04
7338	ALL	487894	3614944	NonCancer	4.78E-04	1.62E-06	3.01E-04	0.00E+00	0.00E+00	3.01E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	4.78E-04
7339	ALL	487887.3	3614922	NonCancer	5.03E-04	1.71E-06	3.17E-04	0.00E+00	0.00E+00	3.17E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	5.03E-04
7340	ALL	487880.7	3614899	NonCancer	5.14E-04	1.75E-06	3.23E-04	0.00E+00	0.00E+00	3.23E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	5.14E-04
7341	ALL	487874	3614876	NonCancer	5.08E-04	1.73E-06	3.20E-04	0.00E+00	0.00E+00	3.20E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	5.08E-04
7342	ALL	487867.4	3614853	NonCancer	5.86E-04	1.99E-06	3.69E-04	0.00E+00	0.00E+00	3.69E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	5.86E-04
7343	ALL	487860.7	3614830	NonCancer	6.83E-04	2.32E-06	4.30E-04	0.00E+00	0.00E+00	4.30E-04	2.32E-06	0.00E+00	2.32E-06	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	6.83E-04
7344	ALL	487854.1	3614807	NonCancer	7.65E-04	2.60E-06	4.82E-04	0.00E+00	0.00E+00	4.82E-04	2.60E-06	0.00E+00	2.60E-06	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	7.65E-04
7345	ALL	487847.4	3614784	NonCancer	8.25E-04	2.81E-06	5.20E-04	0.00E+00	0.00E+00	5.20E-04	2.81E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	8.25E-04
7346	ALL	487840.8	3614761	NonCancer	8.56E-04	2.91E-06	5.39E-04	0.00E+00	0.00E+00	5.39E-04	2.91E-06	0.00E+00	2.91E-06	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	8.56E-04
7347	ALL	487834.1	3614738	NonCancer	8.53E-04	2.90E-06	5.37E-04	0.00E+00	0.00E+00	5.37E-04	2.90E-06	0.00E+00	2.90E-06	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	8.53E-04
7348	ALL	487827.5	3614715	NonCancer	8.17E-04	2.78E-06	5.15E-04	0.00E+00	0.00E+00	5.15E-04	2.78E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	8.17E-04
7349	ALL	487820.8	3614692	NonCancer	7.53E-04	2.56E-06	4.74E-04	0.00E+00	0.00E+00	4.74E-04	2.56E-06	0.00E+00	2.56E-06	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	7.53E-04
7350	ALL	487814.2	3614669	NonCancer	7.53E-04	2.56E-06	4.74E-04	0.00E+00	0.00E+00	4.74E-04	2.56E-06	0.00E+00	2.56E-06	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	7.53E-04
7351	ALL	487807.5	3614646	NonCancer	8.18E-04	2.78E-06	5.15E-04	0.00E+00	0.00E+00	5.15E-04	2.78E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	8.18E-04
7352	ALL	487800.9	3614624	NonCancer	8.54E-04	2.90E-06	5.38E-04	0.00E+00	0.00E+00	5.38E-04	2.90E-06	0.00E+00	2.90E-06	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	8.54E-04
7353	ALL	487794.2	3614601	NonCancer	8.57E-04	2.91E-06	5.40E-04	0.00E+00	0.00E+00	5.40E-04	2.91E-06	0.00E+00	2.91E-06	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	8.57E-04
7354	ALL	487787.6	3614578	NonCancer	8.27E-04	2.81E-06	5.20E-04	0.00E+00	0.00E+00	5.20E-04	2.81E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	8.27E-04
7355	ALL	487780.9	3614555	NonCancer	7.67E-04	2.61E-06	4.83E-04	0.00E+00	0.00E+00	4.83E-04	2.61E-06	0.00E+00	2.61E-06	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	7.67E-04
7356	ALL	487774.3	3614532	NonCancer	6.84E-04	2.33E-06	4.31E-04	0.00E+00	0.00E+00	4.31E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	6.84E-04
7357	ALL	487767.6	3614509	NonCancer	5.90E-04	2.01E-06	3.72E-04	0.00E+00	0.00E+00	3.72E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	5.90E-04
7358	ALL	487761	3614486	NonCancer	5.10E-04	1.73E-06	3.21E-04	0.00E+00	0.00E+00	3.21E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	5.10E-04
7359	ALL	487754.3	3614463	NonCancer	5.75E-04	1.95E-06	3.62E-04	0.00E+00	0.00E+00	3.62E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	5.75E-04
7360	ALL	487747.7	3614440	NonCancer	6.60E-04	2.25E-06	4.16E-04	0.00E+00	0.00E+00	4.16E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	6.60E-04
7361	ALL	487741	3614417	NonCancer	7.59E-04	2.58E-06	4.78E-04	0.00E+00	0.00E+00	4.78E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	7.59E-04
7362	ALL	487734.4	3614394	NonCancer	8.38E-04	2.85E-06	5.28E-04	0.00E+00	0.00E+00	5.28E-04	2.85E-06	0.00E+00	2.85E-06	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	8.38E-04
7363	ALL	487727.7	3614371	NonCancer	8.91E-04	3.03E-06	5.61E-04	0.00E+00	0.00E+00	5.61E-04	3.03E-06	0.00E+00	3.03E-06	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	8.91E-04
7364	ALL	487721.1	3614348	NonCancer	9.10E-04	3.09E-06	5.73E-04	0.00E+00	0.00E+00	5.73E-04	3.09E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	9.10E-04
7365	ALL	487714.4	3614325	NonCancer	8.95E-04	3.04E-06	5.63E-04	0.00E+00	0.00E+00	5.63E-04	3.04E-06	0.00E+00	3.04E-06	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	8.95E-04
7366	ALL	487707.8	3614303	NonCancer	8.47E-04	2.88E-06	5.34E-04	0.00E+00	0.00E+00	5.34E-04	2.88E-06	0.00E+00	2.88E-06	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	8.47E-04
7367	ALL	487701.1	3614280	NonCancer	8.86E-04	3.01E-06	5.58E-04	0.00E+00	0.00E+00	5.58E-04	3.01E-06	0.00E+00	3.01E-06	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	8.86E-04
7368	ALL	487694.5	3614257	NonCancer	1.03E-03	3.50E-06	6.48E-04	0.00E+00	0.00E+00	6.48E-04	3.50E-06	0.00E+00	3.50E-06	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	1.03E-03
7369	ALL	487687.8	3614234	NonCancer	1.14E-03	3.88E-06	7.18E-04	0.00E+00	0.00E+00	7.18E-04	3.88E-06	0.00E+00	3.88E-06	0.00E+00	0.00E+00	7.18E-04	0.00E+00	0.00E+00	1.14E-03
7370	ALL	487681.2	3614211	NonCancer	1.21E-03	4.10E-06	7.60E-04	0.00E+00	0.00E+00	7.60E-04	4.10E-06	0.00E+00	4.10E-06	0.00E+00	0.00E+00	7.60E-04	0.00E+00	0.00E+00	1.21E-03
7371	ALL	487674.5	3614188	NonCancer	1.22E-03	4.14E-06	7.67E-04	0.00E+00	0.00E+00	7.67E-04	4.14E-06	0.00E+00	4.14E-06	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00	1.22E-03
7372	ALL	487667.9	3614165	NonCancer	1.18E-03	4.00E-06	7.41E-04	0.00E+00	0.00E+00	7.41E-04	4.00E-06	0.00E+00	4.00E-06	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	1.18E-03
7373	ALL	488902.7	3615690	NonCancer	4.75E-04	1.61E-06	2.99E-04	0.00E+00	0.00E+00	2.99E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	4.75E-04
7374	ALL	488926.8	3615692	NonCancer	5.05E-04	1.72E-06	3.18E-04	0.00E+00	0.00E+00	3.18E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	5.05E-04
7375	ALL	488950.8	3615695	NonCancer	5.21E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.21E-04
7376	ALL	488974.8	3615697	NonCancer	5.20E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.20E-04
7377	ALL	488860.2	3615877	NonCancer	3.86E-04	1.31E-06	2.43E-04	0.00E+00	0.00E+00	2.43E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	3.86E-04
7378	ALL	488839.1	3615865	NonCancer	3.55E-04	1.21E-06	2.24E-04	0.00E+00	0.00E+00	2.24E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.55E-04
7379	ALL	488818	3615854	NonCancer	3.19E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
7380	ALL	488796.9	3615842	NonCancer	2.80E-04	9.53E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.53E-07	0.00E+00	9.53E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.80E-04
7381	ALL	488775.7	3615831	NonCancer	2.40E-04	8.16E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.16E-07	0.00E+00	8.16E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04
7382	ALL	488754.6	3615819	NonCancer	2.06E-04	7.00E-07	1.30E-04	0.00E+00	0.00E+00	1.30E-04	7.00E-07	0.00E+00	7.00E-07	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	2.06E-04
7383	ALL	488733.5	3615808	NonCancer	1.94E-04	6.59E-07	1.22E-04	0.00E+00	0.00E+00	1.22E-04	6.59E-07	0.00E+00	6.59E-07	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	1.94E-04

7384	ALL	488712.4	3615796	NonCancer	2.09E-04	7.11E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.11E-07	0.00E+00	7.11E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.09E-04
7385	ALL	488691.3	3615784	NonCancer	2.68E-04	9.11E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.11E-07	0.00E+00	9.11E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.68E-04
7386	ALL	488670.2	3615773	NonCancer	3.38E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.38E-04
7387	ALL	488649.1	3615761	NonCancer	4.16E-04	1.42E-06	2.62E-04	0.00E+00	0.00E+00	2.62E-04	1.42E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	4.16E-04
7388	ALL	488627.9	3615750	NonCancer	5.00E-04	1.70E-06	3.14E-04	0.00E+00	0.00E+00	3.14E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	5.00E-04
7389	ALL	488606.8	3615738	NonCancer	5.82E-04	1.98E-06	3.66E-04	0.00E+00	0.00E+00	3.66E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	5.82E-04
7390	ALL	488585.7	3615727	NonCancer	6.57E-04	2.23E-06	4.14E-04	0.00E+00	0.00E+00	4.14E-04	2.23E-06	0.00E+00	2.23E-06	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	6.57E-04
7391	ALL	488564.6	3615715	NonCancer	7.18E-04	2.44E-06	4.52E-04	0.00E+00	0.00E+00	4.52E-04	2.44E-06	0.00E+00	2.44E-06	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	7.18E-04
7392	ALL	488543.5	3615704	NonCancer	7.59E-04	2.58E-06	4.78E-04	0.00E+00	0.00E+00	4.78E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	7.59E-04
7393	ALL	488522.4	3615692	NonCancer	7.75E-04	2.63E-06	4.88E-04	0.00E+00	0.00E+00	4.88E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	7.75E-04
7394	ALL	488501.3	3615680	NonCancer	7.65E-04	2.60E-06	4.81E-04	0.00E+00	0.00E+00	4.81E-04	2.60E-06	0.00E+00	2.60E-06	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	7.65E-04
7395	ALL	488480.1	3615669	NonCancer	7.29E-04	2.48E-06	4.59E-04	0.00E+00	0.00E+00	4.59E-04	2.48E-06	0.00E+00	2.48E-06	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	7.29E-04
7396	ALL	488459	3615657	NonCancer	6.72E-04	2.28E-06	4.23E-04	0.00E+00	0.00E+00	4.23E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	6.72E-04
7397	ALL	488437.9	3615646	NonCancer	5.99E-04	2.04E-06	3.77E-04	0.00E+00	0.00E+00	3.77E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	5.99E-04
7398	ALL	488416.8	3615634	NonCancer	5.16E-04	1.75E-06	3.25E-04	0.00E+00	0.00E+00	3.25E-04	1.75E-06	0.00E+00	1.75E-06	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	5.16E-04
7399	ALL	488395.7	3615623	NonCancer	4.26E-04	1.45E-06	2.68E-04	0.00E+00	0.00E+00	2.68E-04	1.45E-06	0.00E+00	1.45E-06	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	4.26E-04
7400	ALL	488374.6	3615611	NonCancer	3.45E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.45E-04
7401	ALL	488353.5	3615600	NonCancer	2.73E-04	9.29E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.29E-07	0.00E+00	9.29E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.73E-04
7402	ALL	488332.3	3615588	NonCancer	2.12E-04	7.21E-07	1.34E-04	0.00E+00	0.00E+00	1.34E-04	7.21E-07	0.00E+00	7.21E-07	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	2.12E-04
7403	ALL	488311.2	3615576	NonCancer	1.63E-04	5.54E-07	1.03E-04	0.00E+00	0.00E+00	1.03E-04	5.54E-07	0.00E+00	5.54E-07	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	1.63E-04
7404	ALL	488290.1	3615565	NonCancer	1.42E-04	4.82E-07	8.92E-05	0.00E+00	0.00E+00	8.92E-05	4.82E-07	0.00E+00	4.82E-07	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	1.42E-04
7405	ALL	488269	3615553	NonCancer	1.41E-04	4.81E-07	8.90E-05	0.00E+00	0.00E+00	8.90E-05	4.81E-07	0.00E+00	4.81E-07	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	1.41E-04
7406	ALL	488247.9	3615542	NonCancer	1.41E-04	4.79E-07	8.88E-05	0.00E+00	0.00E+00	8.88E-05	4.79E-07	0.00E+00	4.79E-07	0.00E+00	0.00E+00	8.88E-05	0.00E+00	0.00E+00	1.41E-04
7407	ALL	488226.8	3615530	NonCancer	1.41E-04	4.78E-07	8.85E-05	0.00E+00	0.00E+00	8.85E-05	4.78E-07	0.00E+00	4.78E-07	0.00E+00	0.00E+00	8.85E-05	0.00E+00	0.00E+00	1.41E-04
7408	ALL	488205.7	3615519	NonCancer	1.40E-04	4.77E-07	8.82E-05	0.00E+00	0.00E+00	8.82E-05	4.77E-07	0.00E+00	4.77E-07	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00	1.40E-04
7409	ALL	488184.5	3615507	NonCancer	1.40E-04	4.75E-07	8.79E-05	0.00E+00	0.00E+00	8.79E-05	4.75E-07	0.00E+00	4.75E-07	0.00E+00	0.00E+00	8.79E-05	0.00E+00	0.00E+00	1.40E-04
7410	ALL	488163.4	3615495	NonCancer	1.39E-04	4.72E-07	8.75E-05	0.00E+00	0.00E+00	8.75E-05	4.72E-07	0.00E+00	4.72E-07	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	1.39E-04
7411	ALL	488142.3	3615484	NonCancer	1.38E-04	4.70E-07	8.71E-05	0.00E+00	0.00E+00	8.71E-05	4.70E-07	0.00E+00	4.70E-07	0.00E+00	0.00E+00	8.71E-05	0.00E+00	0.00E+00	1.38E-04
7412	ALL	488121.2	3615472	NonCancer	1.38E-04	4.68E-07	8.66E-05	0.00E+00	0.00E+00	8.66E-05	4.68E-07	0.00E+00	4.68E-07	0.00E+00	0.00E+00	8.66E-05	0.00E+00	0.00E+00	1.38E-04
7413	ALL	488100.1	3615461	NonCancer	1.47E-04	4.99E-07	9.25E-05	0.00E+00	0.00E+00	9.25E-05	4.99E-07	0.00E+00	4.99E-07	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00	1.47E-04
7414	ALL	488079	3615449	NonCancer	1.65E-04	5.62E-07	1.04E-04	0.00E+00	0.00E+00	1.04E-04	5.62E-07	0.00E+00	5.62E-07	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	1.65E-04
7415	ALL	488057.9	3615438	NonCancer	1.82E-04	6.18E-07	1.14E-04	0.00E+00	0.00E+00	1.14E-04	6.18E-07	0.00E+00	6.18E-07	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	1.82E-04
7416	ALL	488036.7	3615426	NonCancer	1.95E-04	6.64E-07	1.23E-04	0.00E+00	0.00E+00	1.23E-04	6.64E-07	0.00E+00	6.64E-07	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	1.95E-04
7417	ALL	488015.6	3615415	NonCancer	2.05E-04	6.97E-07	1.29E-04	0.00E+00	0.00E+00	1.29E-04	6.97E-07	0.00E+00	6.97E-07	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	2.05E-04
7418	ALL	487994.5	3615403	NonCancer	2.11E-04	7.16E-07	1.33E-04	0.00E+00	0.00E+00	1.33E-04	7.16E-07	0.00E+00	7.16E-07	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.11E-04
7419	ALL	487973.4	3615391	NonCancer	2.12E-04	7.20E-07	1.33E-04	0.00E+00	0.00E+00	1.33E-04	7.20E-07	0.00E+00	7.20E-07	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.12E-04
7420	ALL	487952.3	3615380	NonCancer	2.08E-04	7.09E-07	1.31E-04	0.00E+00	0.00E+00	1.31E-04	7.09E-07	0.00E+00	7.09E-07	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	2.08E-04
7421	ALL	487931.2	3615368	NonCancer	2.01E-04	6.83E-07	1.27E-04	0.00E+00	0.00E+00	1.27E-04	6.83E-07	0.00E+00	6.83E-07	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	2.01E-04
7422	ALL	487910.1	3615357	NonCancer	1.90E-04	6.45E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.45E-07	0.00E+00	6.45E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.90E-04
7423	ALL	487888.9	3615345	NonCancer	1.76E-04	5.97E-07	1.11E-04	0.00E+00	0.00E+00	1.11E-04	5.97E-07	0.00E+00	5.97E-07	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	1.76E-04
7424	ALL	487867.8	3615334	NonCancer	1.59E-04	5.42E-07	1.00E-04	0.00E+00	0.00E+00	1.00E-04	5.42E-07	0.00E+00	5.42E-07	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	1.59E-04
7425	ALL	487846.7	3615322	NonCancer	1.43E-04	4.85E-07	8.99E-05	0.00E+00	0.00E+00	8.99E-05	4.85E-07	0.00E+00	4.85E-07	0.00E+00	0.00E+00	8.99E-05	0.00E+00	0.00E+00	1.43E-04
7426	ALL	487825.6	3615310	NonCancer	1.47E-04	5.00E-07	9.26E-05	0.00E+00	0.00E+00	9.26E-05	5.00E-07	0.00E+00	5.00E-07	0.00E+00	0.00E+00	9.26E-05	0.00E+00	0.00E+00	1.47E-04
7427	ALL	487797.8	3615276	NonCancer	1.67E-04	5.68E-07	1.05E-04	0.00E+00	0.00E+00	1.05E-04	5.68E-07	0.00E+00	5.68E-07	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.67E-04
7428	ALL	487791.1	3615253	NonCancer	1.87E-04	6.34E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.34E-07	0.00E+00	6.34E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.87E-04
7429	ALL	487784.4	3615230	NonCancer	2.06E-04	7.00E-07	1.30E-04	0.00E+00	0.00E+00	1.30E-04	7.00E-07	0.00E+00	7.00E-07	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	2.06E-04
7430	ALL	487777.7	3615206	NonCancer	2.23E-04	7.59E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.59E-07	0.00E+00	7.59E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.23E-04
7431	ALL	487771	3615183	NonCancer	2.38E-04	8.10E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04	8.10E-07	0.00E+00	8.10E-07	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	2.38E-04
7432	ALL	487764.2	3615160	NonCancer	2.49E-04	8.48E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.48E-07	0.00E+00	8.48E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.49E-04
7433	ALL	487757.5	3615137	NonCancer	2.56E-04	8.71E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.71E-07	0.00E+00	8.71E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.56E-04
7434	ALL	487750.8	3615114	NonCancer	2.80E-04	9.53E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.53E-07	0.00E+00	9.53E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.80E-04
7435	ALL	487744.1	3615091	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04

7436	ALL	487737.4	3615068	NonCancer	3.58E-04	1.22E-06	2.25E-04	0.00E+00	0.00E+00	2.25E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	3.58E-04
7437	ALL	487730.7	3615045	NonCancer	3.90E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.90E-04
7438	ALL	487724	3615021	NonCancer	4.15E-04	1.41E-06	2.61E-04	0.00E+00	0.00E+00	2.61E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	4.15E-04
7439	ALL	487717.3	3614998	NonCancer	4.29E-04	1.46E-06	2.70E-04	0.00E+00	0.00E+00	2.70E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	4.29E-04
7440	ALL	487710.6	3614975	NonCancer	4.33E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.33E-04
7441	ALL	487703.9	3614952	NonCancer	4.24E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.24E-04
7442	ALL	487697.2	3614929	NonCancer	4.91E-04	1.67E-06	3.09E-04	0.00E+00	0.00E+00	3.09E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	4.91E-04
7443	ALL	487690.5	3614906	NonCancer	5.67E-04	1.93E-06	3.57E-04	0.00E+00	0.00E+00	3.57E-04	1.93E-06	0.00E+00	1.93E-06	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	5.67E-04
7444	ALL	487683.8	3614883	NonCancer	6.33E-04	2.15E-06	3.99E-04	0.00E+00	0.00E+00	3.99E-04	2.15E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	6.33E-04
7445	ALL	487677.1	3614860	NonCancer	6.85E-04	2.33E-06	4.31E-04	0.00E+00	0.00E+00	4.31E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	6.85E-04
7446	ALL	487670.4	3614837	NonCancer	7.16E-04	2.43E-06	4.51E-04	0.00E+00	0.00E+00	4.51E-04	2.43E-06	0.00E+00	2.43E-06	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	7.16E-04
7447	ALL	487663.7	3614813	NonCancer	7.23E-04	2.46E-06	4.55E-04	0.00E+00	0.00E+00	4.55E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	7.23E-04
7448	ALL	487657	3614790	NonCancer	7.06E-04	2.40E-06	4.45E-04	0.00E+00	0.00E+00	4.45E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	7.06E-04
7449	ALL	487650.2	3614767	NonCancer	6.67E-04	2.27E-06	4.20E-04	0.00E+00	0.00E+00	4.20E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	6.67E-04
7450	ALL	487643.5	3614744	NonCancer	6.09E-04	2.07E-06	3.83E-04	0.00E+00	0.00E+00	3.83E-04	2.07E-06	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	6.09E-04
7451	ALL	487636.8	3614721	NonCancer	6.38E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.38E-04
7452	ALL	487630.1	3614698	NonCancer	6.88E-04	2.34E-06	4.33E-04	0.00E+00	0.00E+00	4.33E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	6.88E-04
7453	ALL	487623.4	3614675	NonCancer	7.18E-04	2.44E-06	4.52E-04	0.00E+00	0.00E+00	4.52E-04	2.44E-06	0.00E+00	2.44E-06	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	7.18E-04
7454	ALL	487616.7	3614652	NonCancer	7.23E-04	2.46E-06	4.55E-04	0.00E+00	0.00E+00	4.55E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	7.23E-04
7455	ALL	487610	3614628	NonCancer	7.05E-04	2.40E-06	4.44E-04	0.00E+00	0.00E+00	4.44E-04	2.40E-06	0.00E+00	2.40E-06	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	7.05E-04
7456	ALL	487603.3	3614605	NonCancer	6.64E-04	2.26E-06	4.18E-04	0.00E+00	0.00E+00	4.18E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	6.64E-04
7457	ALL	487596.6	3614582	NonCancer	6.04E-04	2.05E-06	3.80E-04	0.00E+00	0.00E+00	3.80E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	6.04E-04
7458	ALL	487589.9	3614559	NonCancer	5.33E-04	1.81E-06	3.35E-04	0.00E+00	0.00E+00	3.35E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	5.33E-04
7459	ALL	487583.2	3614536	NonCancer	4.68E-04	1.59E-06	2.95E-04	0.00E+00	0.00E+00	2.95E-04	1.59E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	4.68E-04
7460	ALL	487576.5	3614513	NonCancer	4.29E-04	1.46E-06	2.70E-04	0.00E+00	0.00E+00	2.70E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	4.29E-04
7461	ALL	487569.8	3614490	NonCancer	4.78E-04	1.63E-06	3.01E-04	0.00E+00	0.00E+00	3.01E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	4.78E-04
7462	ALL	487563.1	3614467	NonCancer	5.42E-04	1.84E-06	3.41E-04	0.00E+00	0.00E+00	3.41E-04	1.84E-06	0.00E+00	1.84E-06	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	5.42E-04
7463	ALL	487556.4	3614443	NonCancer	6.19E-04	2.10E-06	3.89E-04	0.00E+00	0.00E+00	3.89E-04	2.10E-06	0.00E+00	2.10E-06	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	6.19E-04
7464	ALL	487549.7	3614420	NonCancer	6.86E-04	2.33E-06	4.32E-04	0.00E+00	0.00E+00	4.32E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	6.86E-04
7465	ALL	487543	3614397	NonCancer	7.36E-04	2.50E-06	4.63E-04	0.00E+00	0.00E+00	4.63E-04	2.50E-06	0.00E+00	2.50E-06	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	7.36E-04
7466	ALL	487536.2	3614374	NonCancer	7.63E-04	2.59E-06	4.80E-04	0.00E+00	0.00E+00	4.80E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	7.63E-04
7467	ALL	487529.5	3614351	NonCancer	7.66E-04	2.60E-06	4.82E-04	0.00E+00	0.00E+00	4.82E-04	2.60E-06	0.00E+00	2.60E-06	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	7.66E-04
7468	ALL	487522.8	3614328	NonCancer	7.43E-04	2.53E-06	4.68E-04	0.00E+00	0.00E+00	4.68E-04	2.53E-06	0.00E+00	2.53E-06	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	7.43E-04
7469	ALL	487516.1	3614305	NonCancer	6.99E-04	2.38E-06	4.40E-04	0.00E+00	0.00E+00	4.40E-04	2.38E-06	0.00E+00	2.38E-06	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	6.99E-04
7470	ALL	487509.4	3614282	NonCancer	7.43E-04	2.53E-06	4.68E-04	0.00E+00	0.00E+00	4.68E-04	2.53E-06	0.00E+00	2.53E-06	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	7.43E-04
7471	ALL	487502.7	3614259	NonCancer	8.57E-04	2.91E-06	5.39E-04	0.00E+00	0.00E+00	5.39E-04	2.91E-06	0.00E+00	2.91E-06	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	8.57E-04
7472	ALL	487496	3614235	NonCancer	9.48E-04	3.22E-06	5.97E-04	0.00E+00	0.00E+00	5.97E-04	3.22E-06	0.00E+00	3.22E-06	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	9.48E-04
7473	ALL	487489.3	3614212	NonCancer	1.01E-03	3.43E-06	6.35E-04	0.00E+00	0.00E+00	6.35E-04	3.43E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	1.01E-03
7474	ALL	487482.6	3614189	NonCancer	1.03E-03	3.51E-06	6.49E-04	0.00E+00	0.00E+00	6.49E-04	3.51E-06	0.00E+00	3.51E-06	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	1.03E-03
7475	ALL	487475.9	3614166	NonCancer	1.01E-03	3.45E-06	6.38E-04	0.00E+00	0.00E+00	6.38E-04	3.45E-06	0.00E+00	3.45E-06	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	1.01E-03
7476	ALL	487469.2	3614143	NonCancer	9.59E-04	3.26E-06	6.04E-04	0.00E+00	0.00E+00	6.04E-04	3.26E-06	0.00E+00	3.26E-06	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	9.59E-04
7477	ALL	488881.3	3615889	NonCancer	4.09E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.09E-04
7478	ALL	488905.4	3615891	NonCancer	4.28E-04	1.46E-06	2.70E-04	0.00E+00	0.00E+00	2.70E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	4.28E-04
7479	ALL	488929.4	3615894	NonCancer	4.36E-04	1.48E-06	2.75E-04	0.00E+00	0.00E+00	2.75E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	4.36E-04
7480	ALL	488953.4	3615896	NonCancer	4.33E-04	1.47E-06	2.73E-04	0.00E+00	0.00E+00	2.73E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	4.33E-04
7481	ALL	488977.5	3615899	NonCancer	4.81E-04	1.63E-06	3.03E-04	0.00E+00	0.00E+00	3.03E-04	1.63E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	4.81E-04
7482	ALL	488839	3616076	NonCancer	3.41E-04	1.16E-06	2.15E-04	0.00E+00	0.00E+00	2.15E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.41E-04
7483	ALL	488818.1	3616065	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
7484	ALL	488797.2	3616053	NonCancer	2.95E-04	1.00E-06	1.86E-04	0.00E+00	0.00E+00	1.86E-04	1.00E-06	0.00E+00	1.00E-06	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	2.95E-04
7485	ALL	488776.4	3616042	NonCancer	2.66E-04	9.04E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.04E-07	0.00E+00	9.04E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.66E-04
7486	ALL	488755.5	3616030	NonCancer	2.35E-04	7.98E-07	1.48E-04	0.00E+00	0.00E+00	1.48E-04	7.98E-07	0.00E+00	7.98E-07	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	2.35E-04
7487	ALL	488734.6	3616019	NonCancer	2.03E-04	6.91E-07	1.28E-04	0.00E+00	0.00E+00	1.28E-04	6.91E-07	0.00E+00	6.91E-07	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	2.03E-04

7488	ALL	488713.7	3616007	NonCancer	1.77E-04	6.03E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.03E-07	0.00E+00	6.03E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.77E-04
7489	ALL	488692.8	3615996	NonCancer	1.68E-04	5.73E-07	1.06E-04	0.00E+00	0.00E+00	1.06E-04	5.73E-07	0.00E+00	5.73E-07	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.68E-04
7490	ALL	488671.9	3615984	NonCancer	1.58E-04	5.36E-07	9.93E-05	0.00E+00	0.00E+00	9.93E-05	5.36E-07	0.00E+00	5.36E-07	0.00E+00	0.00E+00	9.93E-05	0.00E+00	0.00E+00	1.58E-04
7491	ALL	488651	3615973	NonCancer	1.80E-04	6.14E-07	1.14E-04	0.00E+00	0.00E+00	1.14E-04	6.14E-07	0.00E+00	6.14E-07	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	1.80E-04
7492	ALL	488630.2	3615962	NonCancer	2.27E-04	7.72E-07	1.43E-04	0.00E+00	0.00E+00	1.43E-04	7.72E-07	0.00E+00	7.72E-07	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	2.27E-04
7493	ALL	488609.3	3615950	NonCancer	2.81E-04	9.57E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.57E-07	0.00E+00	9.57E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.81E-04
7494	ALL	488588.4	3615939	NonCancer	3.42E-04	1.16E-06	2.15E-04	0.00E+00	0.00E+00	2.15E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.42E-04
7495	ALL	488567.5	3615927	NonCancer	4.07E-04	1.38E-06	2.56E-04	0.00E+00	0.00E+00	2.56E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	4.07E-04
7496	ALL	488546.6	3615916	NonCancer	4.72E-04	1.60E-06	2.97E-04	0.00E+00	0.00E+00	2.97E-04	1.60E-06	0.00E+00	1.60E-06	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	4.72E-04
7497	ALL	488525.7	3615904	NonCancer	5.34E-04	1.81E-06	3.36E-04	0.00E+00	0.00E+00	3.36E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	5.34E-04
7498	ALL	488504.8	3615893	NonCancer	5.87E-04	2.00E-06	3.70E-04	0.00E+00	0.00E+00	3.70E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	5.87E-04
7499	ALL	488483.9	3615882	NonCancer	6.28E-04	2.14E-06	3.96E-04	0.00E+00	0.00E+00	3.96E-04	2.14E-06	0.00E+00	2.14E-06	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	6.28E-04
7500	ALL	488463.1	3615870	NonCancer	6.54E-04	2.22E-06	4.12E-04	0.00E+00	0.00E+00	4.12E-04	2.22E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	6.54E-04
7501	ALL	488442.2	3615859	NonCancer	6.61E-04	2.25E-06	4.16E-04	0.00E+00	0.00E+00	4.16E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	6.61E-04
7502	ALL	488421.3	3615847	NonCancer	6.50E-04	2.21E-06	4.09E-04	0.00E+00	0.00E+00	4.09E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	6.50E-04
7503	ALL	488400.4	3615836	NonCancer	6.20E-04	2.11E-06	3.90E-04	0.00E+00	0.00E+00	3.90E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	6.20E-04
7504	ALL	488379.5	3615824	NonCancer	5.75E-04	1.96E-06	3.62E-04	0.00E+00	0.00E+00	3.62E-04	1.96E-06	0.00E+00	1.96E-06	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	5.75E-04
7505	ALL	488358.6	3615813	NonCancer	5.19E-04	1.76E-06	3.27E-04	0.00E+00	0.00E+00	3.27E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	5.19E-04
7506	ALL	488337.7	3615801	NonCancer	4.55E-04	1.55E-06	2.87E-04	0.00E+00	0.00E+00	2.87E-04	1.55E-06	0.00E+00	1.55E-06	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	4.55E-04
7507	ALL	488316.9	3615790	NonCancer	3.89E-04	1.32E-06	2.45E-04	0.00E+00	0.00E+00	2.45E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	3.89E-04
7508	ALL	488296	3615779	NonCancer	3.23E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.23E-04
7509	ALL	488275.1	3615767	NonCancer	2.61E-04	8.88E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.88E-07	0.00E+00	8.88E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.61E-04
7510	ALL	488254.2	3615756	NonCancer	2.08E-04	7.08E-07	1.31E-04	0.00E+00	0.00E+00	1.31E-04	7.08E-07	0.00E+00	7.08E-07	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	2.08E-04
7511	ALL	488233.3	3615744	NonCancer	1.64E-04	5.58E-07	1.03E-04	0.00E+00	0.00E+00	1.03E-04	5.58E-07	0.00E+00	5.58E-07	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	1.64E-04
7512	ALL	488212.4	3615733	NonCancer	1.29E-04	4.37E-07	8.09E-05	0.00E+00	0.00E+00	8.09E-05	4.37E-07	0.00E+00	4.37E-07	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	1.29E-04
7513	ALL	488191.5	3615721	NonCancer	1.19E-04	4.04E-07	7.47E-05	0.00E+00	0.00E+00	7.47E-05	4.04E-07	0.00E+00	4.04E-07	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	1.19E-04
7514	ALL	488170.6	3615710	NonCancer	1.18E-04	4.03E-07	7.46E-05	0.00E+00	0.00E+00	7.46E-05	4.03E-07	0.00E+00	4.03E-07	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	1.18E-04
7515	ALL	488149.8	3615699	NonCancer	1.18E-04	4.02E-07	7.44E-05	0.00E+00	0.00E+00	7.44E-05	4.02E-07	0.00E+00	4.02E-07	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	1.18E-04
7516	ALL	488128.9	3615687	NonCancer	1.18E-04	4.01E-07	7.42E-05	0.00E+00	0.00E+00	7.42E-05	4.01E-07	0.00E+00	4.01E-07	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	1.18E-04
7517	ALL	488108	3615676	NonCancer	1.18E-04	4.00E-07	7.40E-05	0.00E+00	0.00E+00	7.40E-05	4.00E-07	0.00E+00	4.00E-07	0.00E+00	0.00E+00	7.40E-05	0.00E+00	0.00E+00	1.18E-04
7518	ALL	488087.1	3615664	NonCancer	1.17E-04	3.97E-07	7.36E-05	0.00E+00	0.00E+00	7.36E-05	3.97E-07	0.00E+00	3.97E-07	0.00E+00	0.00E+00	7.36E-05	0.00E+00	0.00E+00	1.17E-04
7519	ALL	488066.2	3615653	NonCancer	1.16E-04	3.96E-07	7.33E-05	0.00E+00	0.00E+00	7.33E-05	3.96E-07	0.00E+00	3.96E-07	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	1.16E-04
7520	ALL	488045.3	3615641	NonCancer	1.16E-04	3.95E-07	7.31E-05	0.00E+00	0.00E+00	7.31E-05	3.95E-07	0.00E+00	3.95E-07	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	1.16E-04
7521	ALL	488024.4	3615630	NonCancer	1.16E-04	3.93E-07	7.28E-05	0.00E+00	0.00E+00	7.28E-05	3.93E-07	0.00E+00	3.93E-07	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	1.16E-04
7522	ALL	488003.6	3615618	NonCancer	1.15E-04	3.91E-07	7.25E-05	0.00E+00	0.00E+00	7.25E-05	3.91E-07	0.00E+00	3.91E-07	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	1.15E-04
7523	ALL	487982.7	3615607	NonCancer	1.26E-04	4.29E-07	7.95E-05	0.00E+00	0.00E+00	7.95E-05	4.29E-07	0.00E+00	4.29E-07	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	1.26E-04
7524	ALL	487961.8	3615596	NonCancer	1.42E-04	4.84E-07	8.96E-05	0.00E+00	0.00E+00	8.96E-05	4.84E-07	0.00E+00	4.84E-07	0.00E+00	0.00E+00	8.96E-05	0.00E+00	0.00E+00	1.42E-04
7525	ALL	487940.9	3615584	NonCancer	1.57E-04	5.35E-07	9.90E-05	0.00E+00	0.00E+00	9.90E-05	5.35E-07	0.00E+00	5.35E-07	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00	1.57E-04
7526	ALL	487920	3615573	NonCancer	1.71E-04	5.80E-07	1.07E-04	0.00E+00	0.00E+00	1.07E-04	5.80E-07	0.00E+00	5.80E-07	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	1.71E-04
7527	ALL	487899.1	3615561	NonCancer	1.81E-04	6.17E-07	1.14E-04	0.00E+00	0.00E+00	1.14E-04	6.17E-07	0.00E+00	6.17E-07	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	1.81E-04
7528	ALL	487878.2	3615550	NonCancer	1.89E-04	6.44E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.44E-07	0.00E+00	6.44E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.89E-04
7529	ALL	487857.3	3615538	NonCancer	1.94E-04	6.60E-07	1.22E-04	0.00E+00	0.00E+00	1.22E-04	6.60E-07	0.00E+00	6.60E-07	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	1.94E-04
7530	ALL	487836.5	3615527	NonCancer	1.95E-04	6.64E-07	1.23E-04	0.00E+00	0.00E+00	1.23E-04	6.64E-07	0.00E+00	6.64E-07	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	1.95E-04
7531	ALL	487815.6	3615516	NonCancer	1.93E-04	6.57E-07	1.22E-04	0.00E+00	0.00E+00	1.22E-04	6.57E-07	0.00E+00	6.57E-07	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	1.93E-04
7532	ALL	487794.7	3615504	NonCancer	1.88E-04	6.38E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.38E-07	0.00E+00	6.38E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.88E-04
7533	ALL	487773.8	3615493	NonCancer	1.79E-04	6.09E-07	1.13E-04	0.00E+00	0.00E+00	1.13E-04	6.09E-07	0.00E+00	6.09E-07	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	1.79E-04
7534	ALL	487752.9	3615481	NonCancer	1.68E-04	5.71E-07	1.06E-04	0.00E+00	0.00E+00	1.06E-04	5.71E-07	0.00E+00	5.71E-07	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.68E-04
7535	ALL	487732	3615470	NonCancer	1.55E-04	5.27E-07	9.76E-05	0.00E+00	0.00E+00	9.76E-05	5.27E-07	0.00E+00	5.27E-07	0.00E+00	0.00E+00	9.76E-05	0.00E+00	0.00E+00	1.55E-04
7536	ALL	487711.1	3615458	NonCancer	1.41E-04	4.78E-07	8.86E-05	0.00E+00	0.00E+00	8.86E-05	4.78E-07	0.00E+00	4.78E-07	0.00E+00	0.00E+00	8.86E-05	0.00E+00	0.00E+00	1.41E-04
7537	ALL	487690.2	3615447	NonCancer	1.30E-04	4.42E-07	8.19E-05	0.00E+00	0.00E+00	8.19E-05	4.42E-07	0.00E+00	4.42E-07	0.00E+00	0.00E+00	8.19E-05	0.00E+00	0.00E+00	1.30E-04
7538	ALL	487669.4	3615435	NonCancer	1.35E-04	4.60E-07	8.52E-05	0.00E+00	0.00E+00	8.52E-05	4.60E-07	0.00E+00	4.60E-07	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00	1.35E-04
7539	ALL	487641.8	3615401	NonCancer	1.41E-04	4.79E-07	8.86E-05	0.00E+00	0.00E+00	8.86E-05	4.79E-07	0.00E+00	4.79E-07	0.00E+00	0.00E+00	8.86E-05	0.00E+00	0.00E+00	1.41E-04

7540	ALL	487635.2	3615378	NonCancer	1.50E-04	5.09E-07	9.43E-05	0.00E+00	0.00E+00	9.43E-05	5.09E-07	0.00E+00	5.09E-07	0.00E+00	0.00E+00	9.43E-05	0.00E+00	0.00E+00	1.50E-04
7541	ALL	487628.6	3615355	NonCancer	1.65E-04	5.62E-07	1.04E-04	0.00E+00	0.00E+00	1.04E-04	5.62E-07	0.00E+00	5.62E-07	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	1.65E-04
7542	ALL	487621.9	3615333	NonCancer	1.80E-04	6.12E-07	1.13E-04	0.00E+00	0.00E+00	1.13E-04	6.12E-07	0.00E+00	6.12E-07	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	1.80E-04
7543	ALL	487615.3	3615310	NonCancer	1.93E-04	6.57E-07	1.22E-04	0.00E+00	0.00E+00	1.22E-04	6.57E-07	0.00E+00	6.57E-07	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	1.93E-04
7544	ALL	487608.7	3615287	NonCancer	2.05E-04	6.96E-07	1.29E-04	0.00E+00	0.00E+00	1.29E-04	6.96E-07	0.00E+00	6.96E-07	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	2.05E-04
7545	ALL	487602	3615264	NonCancer	2.13E-04	7.25E-07	1.34E-04	0.00E+00	0.00E+00	1.34E-04	7.25E-07	0.00E+00	7.25E-07	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	2.13E-04
7546	ALL	487595.4	3615241	NonCancer	2.18E-04	7.42E-07	1.37E-04	0.00E+00	0.00E+00	1.37E-04	7.42E-07	0.00E+00	7.42E-07	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	2.18E-04
7547	ALL	487588.8	3615218	NonCancer	2.28E-04	7.76E-07	1.44E-04	0.00E+00	0.00E+00	1.44E-04	7.76E-07	0.00E+00	7.76E-07	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	2.28E-04
7548	ALL	487582.1	3615195	NonCancer	2.60E-04	8.85E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.85E-07	0.00E+00	8.85E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.60E-04
7549	ALL	487575.5	3615172	NonCancer	2.91E-04	9.90E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.90E-07	0.00E+00	9.90E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.91E-04
7550	ALL	487568.9	3615150	NonCancer	3.19E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
7551	ALL	487562.2	3615127	NonCancer	3.43E-04	1.16E-06	2.16E-04	0.00E+00	0.00E+00	2.16E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	3.43E-04
7552	ALL	487555.6	3615104	NonCancer	3.60E-04	1.22E-06	2.26E-04	0.00E+00	0.00E+00	2.26E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	3.60E-04
7553	ALL	487549	3615081	NonCancer	3.69E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.69E-04
7554	ALL	487542.3	3615058	NonCancer	3.71E-04	1.26E-06	2.34E-04	0.00E+00	0.00E+00	2.34E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	3.71E-04
7555	ALL	487535.7	3615035	NonCancer	3.64E-04	1.24E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.64E-04
7556	ALL	487529.1	3615012	NonCancer	4.00E-04	1.36E-06	2.52E-04	0.00E+00	0.00E+00	2.52E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	4.00E-04
7557	ALL	487522.4	3614990	NonCancer	4.60E-04	1.57E-06	2.90E-04	0.00E+00	0.00E+00	2.90E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	4.60E-04
7558	ALL	487515.8	3614967	NonCancer	5.17E-04	1.76E-06	3.25E-04	0.00E+00	0.00E+00	3.25E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	5.17E-04
7559	ALL	487509.2	3614944	NonCancer	5.64E-04	1.92E-06	3.55E-04	0.00E+00	0.00E+00	3.55E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	5.64E-04
7560	ALL	487502.5	3614921	NonCancer	5.99E-04	2.04E-06	3.77E-04	0.00E+00	0.00E+00	3.77E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	5.99E-04
7561	ALL	487495.9	3614898	NonCancer	6.18E-04	2.10E-06	3.89E-04	0.00E+00	0.00E+00	3.89E-04	2.10E-06	0.00E+00	2.10E-06	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	6.18E-04
7562	ALL	487489.3	3614875	NonCancer	6.20E-04	2.11E-06	3.90E-04	0.00E+00	0.00E+00	3.90E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	6.20E-04
7563	ALL	487482.6	3614852	NonCancer	6.04E-04	2.05E-06	3.81E-04	0.00E+00	0.00E+00	3.81E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	6.04E-04
7564	ALL	487476	3614829	NonCancer	5.73E-04	1.95E-06	3.60E-04	0.00E+00	0.00E+00	3.60E-04	1.95E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	5.73E-04
7565	ALL	487469.4	3614807	NonCancer	5.27E-04	1.79E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.27E-04
7566	ALL	487462.7	3614784	NonCancer	5.27E-04	1.79E-06	3.32E-04	0.00E+00	0.00E+00	3.32E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	5.27E-04
7567	ALL	487456.1	3614761	NonCancer	5.72E-04	1.94E-06	3.60E-04	0.00E+00	0.00E+00	3.60E-04	1.94E-06	0.00E+00	1.94E-06	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	5.72E-04
7568	ALL	487449.5	3614738	NonCancer	6.04E-04	2.05E-06	3.80E-04	0.00E+00	0.00E+00	3.80E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	6.04E-04
7569	ALL	487442.8	3614715	NonCancer	6.20E-04	2.11E-06	3.90E-04	0.00E+00	0.00E+00	3.90E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	6.20E-04
7570	ALL	487436.2	3614692	NonCancer	6.18E-04	2.10E-06	3.89E-04	0.00E+00	0.00E+00	3.89E-04	2.10E-06	0.00E+00	2.10E-06	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	6.18E-04
7571	ALL	487429.6	3614669	NonCancer	6.00E-04	2.04E-06	3.77E-04	0.00E+00	0.00E+00	3.77E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	6.00E-04
7572	ALL	487422.9	3614646	NonCancer	5.65E-04	1.92E-06	3.56E-04	0.00E+00	0.00E+00	3.56E-04	1.92E-06	0.00E+00	1.92E-06	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	5.65E-04
7573	ALL	487416.3	3614624	NonCancer	5.18E-04	1.76E-06	3.26E-04	0.00E+00	0.00E+00	3.26E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	5.18E-04
7574	ALL	487409.7	3614601	NonCancer	4.61E-04	1.57E-06	2.90E-04	0.00E+00	0.00E+00	2.90E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	4.61E-04
7575	ALL	487403	3614578	NonCancer	4.12E-04	1.40E-06	2.59E-04	0.00E+00	0.00E+00	2.59E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	4.12E-04
7576	ALL	487396.4	3614555	NonCancer	3.63E-04	1.23E-06	2.29E-04	0.00E+00	0.00E+00	2.29E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.63E-04
7577	ALL	487389.8	3614532	NonCancer	3.69E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.69E-04
7578	ALL	487383.1	3614509	NonCancer	4.22E-04	1.43E-06	2.66E-04	0.00E+00	0.00E+00	2.66E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	4.22E-04
7579	ALL	487376.5	3614486	NonCancer	4.71E-04	1.60E-06	2.97E-04	0.00E+00	0.00E+00	2.97E-04	1.60E-06	0.00E+00	1.60E-06	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	4.71E-04
7580	ALL	487369.9	3614463	NonCancer	5.31E-04	1.80E-06	3.34E-04	0.00E+00	0.00E+00	3.34E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	5.31E-04
7581	ALL	487363.2	3614441	NonCancer	5.84E-04	1.99E-06	3.68E-04	0.00E+00	0.00E+00	3.68E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	5.84E-04
7582	ALL	487356.6	3614418	NonCancer	6.26E-04	2.13E-06	3.94E-04	0.00E+00	0.00E+00	3.94E-04	2.13E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	6.26E-04
7583	ALL	487350	3614395	NonCancer	6.51E-04	2.21E-06	4.10E-04	0.00E+00	0.00E+00	4.10E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	6.51E-04
7584	ALL	487343.3	3614372	NonCancer	6.59E-04	2.24E-06	4.15E-04	0.00E+00	0.00E+00	4.15E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	6.59E-04
7585	ALL	487336.7	3614349	NonCancer	6.49E-04	2.21E-06	4.08E-04	0.00E+00	0.00E+00	4.08E-04	2.21E-06	0.00E+00	2.21E-06	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	6.49E-04
7586	ALL	487330.1	3614326	NonCancer	6.21E-04	2.11E-06	3.91E-04	0.00E+00	0.00E+00	3.91E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	6.21E-04
7587	ALL	487323.4	3614303	NonCancer	5.84E-04	1.98E-06	3.67E-04	0.00E+00	0.00E+00	3.67E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	5.84E-04
7588	ALL	487316.8	3614281	NonCancer	6.47E-04	2.20E-06	4.07E-04	0.00E+00	0.00E+00	4.07E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	6.47E-04
7589	ALL	487310.2	3614258	NonCancer	7.36E-04	2.50E-06	4.63E-04	0.00E+00	0.00E+00	4.63E-04	2.50E-06	0.00E+00	2.50E-06	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	7.36E-04
7590	ALL	487303.5	3614235	NonCancer	8.09E-04	2.75E-06	5.09E-04	0.00E+00	0.00E+00	5.09E-04	2.75E-06	0.00E+00	2.75E-06	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	8.09E-04
7591	ALL	487296.9	3614212	NonCancer	8.60E-04	2.92E-06	5.42E-04	0.00E+00	0.00E+00	5.42E-04	2.92E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	8.60E-04

7592	ALL	487290.3	3614189	NonCancer	8.84E-04	3.01E-06	5.57E-04	0.00E+00	0.00E+00	5.57E-04	3.01E-06	0.00E+00	3.01E-06	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	8.84E-04
7593	ALL	487283.6	3614166	NonCancer	8.80E-04	2.99E-06	5.54E-04	0.00E+00	0.00E+00	5.54E-04	2.99E-06	0.00E+00	2.99E-06	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	8.80E-04
7594	ALL	487277	3614143	NonCancer	8.48E-04	2.88E-06	5.34E-04	0.00E+00	0.00E+00	5.34E-04	2.88E-06	0.00E+00	2.88E-06	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	8.48E-04
7595	ALL	487270.4	3614120	NonCancer	7.91E-04	2.69E-06	4.98E-04	0.00E+00	0.00E+00	4.98E-04	2.69E-06	0.00E+00	2.69E-06	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	7.91E-04
7596	ALL	488859.9	3616087	NonCancer	3.57E-04	1.21E-06	2.25E-04	0.00E+00	0.00E+00	2.25E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	3.57E-04
7597	ALL	488883.9	3616090	NonCancer	3.69E-04	1.25E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.69E-04
7598	ALL	488908	3616093	NonCancer	3.72E-04	1.27E-06	2.34E-04	0.00E+00	0.00E+00	2.34E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	3.72E-04
7599	ALL	488932	3616095	NonCancer	3.69E-04	1.25E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.69E-04
7600	ALL	488795.9	3616474	NonCancer	2.71E-04	9.22E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.22E-07	0.00E+00	9.22E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.71E-04
7601	ALL	488774.8	3616462	NonCancer	2.61E-04	8.86E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.86E-07	0.00E+00	8.86E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.61E-04
7602	ALL	488753.6	3616450	NonCancer	2.46E-04	8.38E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.38E-07	0.00E+00	8.38E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.46E-04
7603	ALL	488732.5	3616439	NonCancer	2.29E-04	7.80E-07	1.44E-04	0.00E+00	0.00E+00	1.44E-04	7.80E-07	0.00E+00	7.80E-07	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	2.29E-04
7604	ALL	488711.3	3616427	NonCancer	2.10E-04	7.15E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.15E-07	0.00E+00	7.15E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.10E-04
7605	ALL	488690.2	3616416	NonCancer	1.90E-04	6.45E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.45E-07	0.00E+00	6.45E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.90E-04
7606	ALL	488669	3616404	NonCancer	1.69E-04	5.73E-07	1.06E-04	0.00E+00	0.00E+00	1.06E-04	5.73E-07	0.00E+00	5.73E-07	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.69E-04
7607	ALL	488647.9	3616392	NonCancer	1.47E-04	5.01E-07	9.28E-05	0.00E+00	0.00E+00	9.28E-05	5.01E-07	0.00E+00	5.01E-07	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	1.47E-04
7608	ALL	488626.7	3616381	NonCancer	1.36E-04	4.62E-07	8.55E-05	0.00E+00	0.00E+00	8.55E-05	4.62E-07	0.00E+00	4.62E-07	0.00E+00	0.00E+00	8.55E-05	0.00E+00	0.00E+00	1.36E-04
7609	ALL	488605.6	3616369	NonCancer	1.30E-04	4.42E-07	8.19E-05	0.00E+00	0.00E+00	8.19E-05	4.42E-07	0.00E+00	4.42E-07	0.00E+00	0.00E+00	8.19E-05	0.00E+00	0.00E+00	1.30E-04
7610	ALL	488584.4	3616358	NonCancer	1.23E-04	4.19E-07	7.75E-05	0.00E+00	0.00E+00	7.75E-05	4.19E-07	0.00E+00	4.19E-07	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	1.23E-04
7611	ALL	488563.3	3616346	NonCancer	1.16E-04	3.93E-07	7.29E-05	0.00E+00	0.00E+00	7.29E-05	3.93E-07	0.00E+00	3.93E-07	0.00E+00	0.00E+00	7.29E-05	0.00E+00	0.00E+00	1.16E-04
7612	ALL	488542.1	3616335	NonCancer	1.21E-04	4.10E-07	7.59E-05	0.00E+00	0.00E+00	7.59E-05	4.10E-07	0.00E+00	4.10E-07	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	1.21E-04
7613	ALL	488521	3616323	NonCancer	1.49E-04	5.06E-07	9.37E-05	0.00E+00	0.00E+00	9.37E-05	5.06E-07	0.00E+00	5.06E-07	0.00E+00	0.00E+00	9.37E-05	0.00E+00	0.00E+00	1.49E-04
7614	ALL	488499.8	3616311	NonCancer	1.82E-04	6.18E-07	1.14E-04	0.00E+00	0.00E+00	1.14E-04	6.18E-07	0.00E+00	6.18E-07	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	1.82E-04
7615	ALL	488478.7	3616300	NonCancer	2.19E-04	7.44E-07	1.38E-04	0.00E+00	0.00E+00	1.38E-04	7.44E-07	0.00E+00	7.44E-07	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	2.19E-04
7616	ALL	488457.5	3616288	NonCancer	2.60E-04	8.84E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.84E-07	0.00E+00	8.84E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.60E-04
7617	ALL	488436.4	3616277	NonCancer	3.04E-04	1.03E-06	1.91E-04	0.00E+00	0.00E+00	1.91E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	3.04E-04
7618	ALL	488415.2	3616265	NonCancer	3.48E-04	1.18E-06	2.19E-04	0.00E+00	0.00E+00	2.19E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	3.48E-04
7619	ALL	488394.1	3616253	NonCancer	3.91E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.91E-04
7620	ALL	488372.9	3616242	NonCancer	4.30E-04	1.46E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.30E-04
7621	ALL	488351.8	3616230	NonCancer	4.62E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.62E-04
7622	ALL	488330.6	3616219	NonCancer	4.86E-04	1.65E-06	3.06E-04	0.00E+00	0.00E+00	3.06E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	4.86E-04
7623	ALL	488309.4	3616207	NonCancer	5.00E-04	1.70E-06	3.15E-04	0.00E+00	0.00E+00	3.15E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	5.00E-04
7624	ALL	488288.3	3616196	NonCancer	5.03E-04	1.71E-06	3.17E-04	0.00E+00	0.00E+00	3.17E-04	1.71E-06	0.00E+00	1.71E-06	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	5.03E-04
7625	ALL	488267.1	3616184	NonCancer	4.95E-04	1.68E-06	3.12E-04	0.00E+00	0.00E+00	3.12E-04	1.68E-06	0.00E+00	1.68E-06	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	4.95E-04
7626	ALL	488246	3616172	NonCancer	4.75E-04	1.62E-06	2.99E-04	0.00E+00	0.00E+00	2.99E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	4.75E-04
7627	ALL	488224.8	3616161	NonCancer	4.47E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.47E-04
7628	ALL	488203.7	3616149	NonCancer	4.10E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.10E-04
7629	ALL	488182.5	3616138	NonCancer	3.69E-04	1.25E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.69E-04
7630	ALL	488161.4	3616126	NonCancer	3.24E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.24E-04
7631	ALL	488140.2	3616114	NonCancer	2.79E-04	9.50E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.50E-07	0.00E+00	9.50E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.79E-04
7632	ALL	488119.1	3616103	NonCancer	2.36E-04	8.03E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.03E-07	0.00E+00	8.03E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.36E-04
7633	ALL	488097.9	3616091	NonCancer	1.96E-04	6.67E-07	1.24E-04	0.00E+00	0.00E+00	1.24E-04	6.67E-07	0.00E+00	6.67E-07	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	1.96E-04
7634	ALL	488076.8	3616080	NonCancer	1.60E-04	5.44E-07	1.01E-04	0.00E+00	0.00E+00	1.01E-04	5.44E-07	0.00E+00	5.44E-07	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	1.60E-04
7635	ALL	488055.6	3616068	NonCancer	1.29E-04	4.37E-07	8.10E-05	0.00E+00	0.00E+00	8.10E-05	4.37E-07	0.00E+00	4.37E-07	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	1.29E-04
7636	ALL	488034.5	3616057	NonCancer	1.03E-04	3.52E-07	6.51E-05	0.00E+00	0.00E+00	6.51E-05	3.52E-07	0.00E+00	3.52E-07	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	1.03E-04
7637	ALL	488013.3	3616045	NonCancer	8.75E-05	2.97E-07	5.51E-05	0.00E+00	0.00E+00	5.51E-05	2.97E-07	0.00E+00	2.97E-07	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	8.75E-05
7638	ALL	487992.2	3616033	NonCancer	8.74E-05	2.97E-07	5.50E-05	0.00E+00	0.00E+00	5.50E-05	2.97E-07	0.00E+00	2.97E-07	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	8.74E-05
7639	ALL	487971	3616022	NonCancer	8.72E-05	2.97E-07	5.49E-05	0.00E+00	0.00E+00	5.49E-05	2.97E-07	0.00E+00	2.97E-07	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	8.72E-05
7640	ALL	487949.9	3616010	NonCancer	8.71E-05	2.96E-07	5.48E-05	0.00E+00	0.00E+00	5.48E-05	2.96E-07	0.00E+00	2.96E-07	0.00E+00	0.00E+00	5.48E-05	0.00E+00	0.00E+00	8.71E-05
7641	ALL	487928.7	3615999	NonCancer	8.69E-05	2.95E-07	5.47E-05	0.00E+00	0.00E+00	5.47E-05	2.95E-07	0.00E+00	2.95E-07	0.00E+00	0.00E+00	5.47E-05	0.00E+00	0.00E+00	8.69E-05
7642	ALL	487907.6	3615987	NonCancer	8.67E-05	2.95E-07	5.46E-05	0.00E+00	0.00E+00	5.46E-05	2.95E-07	0.00E+00	2.95E-07	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00	8.67E-05
7643	ALL	487886.4	3615975	NonCancer	8.65E-05	2.94E-07	5.45E-05	0.00E+00	0.00E+00	5.45E-05	2.94E-07	0.00E+00	2.94E-07	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00	8.65E-05

7644	ALL	487865.3	3615964	NonCancer	8.63E-05	2.93E-07	5.43E-05	0.00E+00	0.00E+00	5.43E-05	2.93E-07	0.00E+00	2.93E-07	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00	8.63E-05
7645	ALL	487844.1	3615952	NonCancer	8.61E-05	2.93E-07	5.42E-05	0.00E+00	0.00E+00	5.42E-05	2.93E-07	0.00E+00	2.93E-07	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00	8.61E-05
7646	ALL	487823	3615941	NonCancer	8.58E-05	2.92E-07	5.40E-05	0.00E+00	0.00E+00	5.40E-05	2.92E-07	0.00E+00	2.92E-07	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	8.58E-05
7647	ALL	487801.8	3615929	NonCancer	8.56E-05	2.91E-07	5.39E-05	0.00E+00	0.00E+00	5.39E-05	2.91E-07	0.00E+00	2.91E-07	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	8.56E-05
7648	ALL	487780.6	3615918	NonCancer	8.53E-05	2.90E-07	5.37E-05	0.00E+00	0.00E+00	5.37E-05	2.90E-07	0.00E+00	2.90E-07	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	8.53E-05
7649	ALL	487759.5	3615906	NonCancer	8.93E-05	3.04E-07	5.62E-05	0.00E+00	0.00E+00	5.62E-05	3.04E-07	0.00E+00	3.04E-07	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	8.93E-05
7650	ALL	487738.3	3615894	NonCancer	1.02E-04	3.46E-07	6.41E-05	0.00E+00	0.00E+00	6.41E-05	3.46E-07	0.00E+00	3.46E-07	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00	1.02E-04
7651	ALL	487717.2	3615883	NonCancer	1.14E-04	3.89E-07	7.21E-05	0.00E+00	0.00E+00	7.21E-05	3.89E-07	0.00E+00	3.89E-07	0.00E+00	0.00E+00	7.21E-05	0.00E+00	0.00E+00	1.14E-04
7652	ALL	487696	3615871	NonCancer	1.27E-04	4.31E-07	7.97E-05	0.00E+00	0.00E+00	7.97E-05	4.31E-07	0.00E+00	4.31E-07	0.00E+00	0.00E+00	7.97E-05	0.00E+00	0.00E+00	1.27E-04
7653	ALL	487674.9	3615860	NonCancer	1.38E-04	4.69E-07	8.68E-05	0.00E+00	0.00E+00	8.68E-05	4.69E-07	0.00E+00	4.69E-07	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00	1.38E-04
7654	ALL	487653.7	3615848	NonCancer	1.48E-04	5.03E-07	9.32E-05	0.00E+00	0.00E+00	9.32E-05	5.03E-07	0.00E+00	5.03E-07	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	1.48E-04
7655	ALL	487632.6	3615836	NonCancer	1.57E-04	5.32E-07	9.85E-05	0.00E+00	0.00E+00	9.85E-05	5.32E-07	0.00E+00	5.32E-07	0.00E+00	0.00E+00	9.85E-05	0.00E+00	0.00E+00	1.57E-04
7656	ALL	487611.4	3615825	NonCancer	1.63E-04	5.54E-07	1.03E-04	0.00E+00	0.00E+00	1.03E-04	5.54E-07	0.00E+00	5.54E-07	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	1.63E-04
7657	ALL	487590.3	3615813	NonCancer	1.67E-04	5.69E-07	1.05E-04	0.00E+00	0.00E+00	1.05E-04	5.69E-07	0.00E+00	5.69E-07	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.67E-04
7658	ALL	487569.1	3615802	NonCancer	1.70E-04	5.76E-07	1.07E-04	0.00E+00	0.00E+00	1.07E-04	5.76E-07	0.00E+00	5.76E-07	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	1.70E-04
7659	ALL	487548	3615790	NonCancer	1.69E-04	5.75E-07	1.07E-04	0.00E+00	0.00E+00	1.07E-04	5.75E-07	0.00E+00	5.75E-07	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	1.69E-04
7660	ALL	487526.8	3615779	NonCancer	1.67E-04	5.66E-07	1.05E-04	0.00E+00	0.00E+00	1.05E-04	5.66E-07	0.00E+00	5.66E-07	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.67E-04
7661	ALL	487505.7	3615767	NonCancer	1.62E-04	5.50E-07	1.02E-04	0.00E+00	0.00E+00	1.02E-04	5.50E-07	0.00E+00	5.50E-07	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	1.62E-04
7662	ALL	487484.5	3615755	NonCancer	1.55E-04	5.26E-07	9.75E-05	0.00E+00	0.00E+00	9.75E-05	5.26E-07	0.00E+00	5.26E-07	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00	1.55E-04
7663	ALL	487463.4	3615744	NonCancer	1.46E-04	4.97E-07	9.21E-05	0.00E+00	0.00E+00	9.21E-05	4.97E-07	0.00E+00	4.97E-07	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00	1.46E-04
7664	ALL	487442.2	3615732	NonCancer	1.36E-04	4.64E-07	8.58E-05	0.00E+00	0.00E+00	8.58E-05	4.64E-07	0.00E+00	4.64E-07	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	1.36E-04
7665	ALL	487421.1	3615721	NonCancer	1.25E-04	4.27E-07	7.90E-05	0.00E+00	0.00E+00	7.90E-05	4.27E-07	0.00E+00	4.27E-07	0.00E+00	0.00E+00	7.90E-05	0.00E+00	0.00E+00	1.25E-04
7666	ALL	487399.9	3615709	NonCancer	1.14E-04	3.88E-07	7.18E-05	0.00E+00	0.00E+00	7.18E-05	3.88E-07	0.00E+00	3.88E-07	0.00E+00	0.00E+00	7.18E-05	0.00E+00	0.00E+00	1.14E-04
7667	ALL	487378.8	3615698	NonCancer	1.13E-04	3.83E-07	7.10E-05	0.00E+00	0.00E+00	7.10E-05	3.83E-07	0.00E+00	3.83E-07	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00	1.13E-04
7668	ALL	487357.6	3615686	NonCancer	1.17E-04	3.98E-07	7.36E-05	0.00E+00	0.00E+00	7.36E-05	3.98E-07	0.00E+00	3.98E-07	0.00E+00	0.00E+00	7.36E-05	0.00E+00	0.00E+00	1.17E-04
7669	ALL	487329.7	3615651	NonCancer	1.22E-04	4.15E-07	7.69E-05	0.00E+00	0.00E+00	7.69E-05	4.15E-07	0.00E+00	4.15E-07	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00	1.22E-04
7670	ALL	487323	3615628	NonCancer	1.23E-04	4.18E-07	7.75E-05	0.00E+00	0.00E+00	7.75E-05	4.18E-07	0.00E+00	4.18E-07	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	1.23E-04
7671	ALL	487316.3	3615605	NonCancer	1.22E-04	4.16E-07	7.71E-05	0.00E+00	0.00E+00	7.71E-05	4.16E-07	0.00E+00	4.16E-07	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	1.22E-04
7672	ALL	487309.6	3615582	NonCancer	1.23E-04	4.20E-07	7.77E-05	0.00E+00	0.00E+00	7.77E-05	4.20E-07	0.00E+00	4.20E-07	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	1.23E-04
7673	ALL	487302.9	3615559	NonCancer	1.34E-04	4.54E-07	8.41E-05	0.00E+00	0.00E+00	8.41E-05	4.54E-07	0.00E+00	4.54E-07	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	1.34E-04
7674	ALL	487296.1	3615535	NonCancer	1.43E-04	4.87E-07	9.01E-05	0.00E+00	0.00E+00	9.01E-05	4.87E-07	0.00E+00	4.87E-07	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00	1.43E-04
7675	ALL	487289.4	3615512	NonCancer	1.52E-04	5.15E-07	9.54E-05	0.00E+00	0.00E+00	9.54E-05	5.15E-07	0.00E+00	5.15E-07	0.00E+00	0.00E+00	9.54E-05	0.00E+00	0.00E+00	1.52E-04
7676	ALL	487282.7	3615489	NonCancer	1.58E-04	5.39E-07	9.97E-05	0.00E+00	0.00E+00	9.97E-05	5.39E-07	0.00E+00	5.39E-07	0.00E+00	0.00E+00	9.97E-05	0.00E+00	0.00E+00	1.58E-04
7677	ALL	487276	3615466	NonCancer	1.64E-04	5.56E-07	1.03E-04	0.00E+00	0.00E+00	1.03E-04	5.56E-07	0.00E+00	5.56E-07	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	1.64E-04
7678	ALL	487269.3	3615443	NonCancer	1.67E-04	5.66E-07	1.05E-04	0.00E+00	0.00E+00	1.05E-04	5.66E-07	0.00E+00	5.66E-07	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.67E-04
7679	ALL	487262.6	3615420	NonCancer	1.68E-04	5.70E-07	1.06E-04	0.00E+00	0.00E+00	1.06E-04	5.70E-07	0.00E+00	5.70E-07	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.68E-04
7680	ALL	487255.8	3615396	NonCancer	1.88E-04	6.39E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.39E-07	0.00E+00	6.39E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.88E-04
7681	ALL	487249.1	3615373	NonCancer	2.10E-04	7.13E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.13E-07	0.00E+00	7.13E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.10E-04
7682	ALL	487242.4	3615350	NonCancer	2.30E-04	7.83E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.83E-07	0.00E+00	7.83E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
7683	ALL	487235.7	3615327	NonCancer	2.49E-04	8.45E-07	1.57E-04	0.00E+00	0.00E+00	1.57E-04	8.45E-07	0.00E+00	8.45E-07	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	2.49E-04
7684	ALL	487229	3615304	NonCancer	2.64E-04	8.98E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.98E-07	0.00E+00	8.98E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.64E-04
7685	ALL	487222.3	3615281	NonCancer	2.76E-04	9.38E-07	1.74E-04	0.00E+00	0.00E+00	1.74E-04	9.38E-07	0.00E+00	9.38E-07	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	2.76E-04
7686	ALL	487215.5	3615257	NonCancer	2.83E-04	9.62E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.62E-07	0.00E+00	9.62E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.83E-04
7687	ALL	487208.8	3615234	NonCancer	2.85E-04	9.70E-07	1.80E-04	0.00E+00	0.00E+00	1.80E-04	9.70E-07	0.00E+00	9.70E-07	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	2.85E-04
7688	ALL	487202.1	3615211	NonCancer	2.82E-04	9.60E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.60E-07	0.00E+00	9.60E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.82E-04
7689	ALL	487195.4	3615188	NonCancer	2.75E-04	9.34E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.34E-07	0.00E+00	9.34E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.75E-04
7690	ALL	487188.7	3615165	NonCancer	3.03E-04	1.03E-06	1.91E-04	0.00E+00	0.00E+00	1.91E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	3.03E-04
7691	ALL	487181.9	3615142	NonCancer	3.45E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.45E-04
7692	ALL	487175.2	3615118	NonCancer	3.85E-04	1.31E-06	2.42E-04	0.00E+00	0.00E+00	2.42E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	3.85E-04
7693	ALL	487168.5	3615095	NonCancer	4.19E-04	1.43E-06	2.64E-04	0.00E+00	0.00E+00	2.64E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.19E-04
7694	ALL	487161.8	3615072	NonCancer	4.47E-04	1.52E-06	2.82E-04	0.00E+00	0.00E+00	2.82E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	4.47E-04
7695	ALL	487155.1	3615049	NonCancer	4.67E-04	1.59E-06	2.94E-04	0.00E+00	0.00E+00	2.94E-04	1.59E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	4.67E-04

7696	ALL	487148.4	3615026	NonCancer	4.76E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.76E-04
7697	ALL	487141.6	3615003	NonCancer	4.75E-04	1.62E-06	2.99E-04	0.00E+00	0.00E+00	2.99E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	4.75E-04
7698	ALL	487134.9	3614980	NonCancer	4.63E-04	1.58E-06	2.92E-04	0.00E+00	0.00E+00	2.92E-04	1.58E-06	0.00E+00	1.58E-06	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	4.63E-04
7699	ALL	487128.2	3614956	NonCancer	4.42E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.42E-04
7700	ALL	487121.5	3614933	NonCancer	4.12E-04	1.40E-06	2.59E-04	0.00E+00	0.00E+00	2.59E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	4.12E-04
7701	ALL	487114.8	3614910	NonCancer	3.75E-04	1.28E-06	2.36E-04	0.00E+00	0.00E+00	2.36E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	3.75E-04
7702	ALL	487108	3614887	NonCancer	4.09E-04	1.39E-06	2.57E-04	0.00E+00	0.00E+00	2.57E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	4.09E-04
7703	ALL	487101.3	3614864	NonCancer	4.39E-04	1.49E-06	2.77E-04	0.00E+00	0.00E+00	2.77E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	4.39E-04
7704	ALL	487094.6	3614841	NonCancer	4.62E-04	1.57E-06	2.91E-04	0.00E+00	0.00E+00	2.91E-04	1.57E-06	0.00E+00	1.57E-06	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	4.62E-04
7705	ALL	487087.9	3614817	NonCancer	4.74E-04	1.61E-06	2.99E-04	0.00E+00	0.00E+00	2.99E-04	1.61E-06	0.00E+00	1.61E-06	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	4.74E-04
7706	ALL	487081.2	3614794	NonCancer	4.76E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.76E-04
7707	ALL	487074.5	3614771	NonCancer	4.68E-04	1.59E-06	2.94E-04	0.00E+00	0.00E+00	2.94E-04	1.59E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	4.68E-04
7708	ALL	487067.7	3614748	NonCancer	4.49E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.49E-04
7709	ALL	487061	3614725	NonCancer	4.22E-04	1.43E-06	2.65E-04	0.00E+00	0.00E+00	2.65E-04	1.43E-06	0.00E+00	1.43E-06	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	4.22E-04
7710	ALL	487054.3	3614702	NonCancer	3.87E-04	1.32E-06	2.44E-04	0.00E+00	0.00E+00	2.44E-04	1.32E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	3.87E-04
7711	ALL	487047.6	3614678	NonCancer	3.49E-04	1.19E-06	2.20E-04	0.00E+00	0.00E+00	2.20E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	3.49E-04
7712	ALL	487040.9	3614655	NonCancer	3.18E-04	1.08E-06	2.00E-04	0.00E+00	0.00E+00	2.00E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	3.18E-04
7713	ALL	487034.2	3614632	NonCancer	2.83E-04	9.64E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.64E-07	0.00E+00	9.64E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.83E-04
7714	ALL	487027.4	3614609	NonCancer	2.79E-04	9.49E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.49E-07	0.00E+00	9.49E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.79E-04
7715	ALL	487020.7	3614586	NonCancer	2.82E-04	9.58E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.58E-07	0.00E+00	9.58E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.82E-04
7716	ALL	487014	3614563	NonCancer	3.14E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.14E-04
7717	ALL	487007.3	3614539	NonCancer	3.49E-04	1.19E-06	2.20E-04	0.00E+00	0.00E+00	2.20E-04	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	3.49E-04
7718	ALL	487000.6	3614516	NonCancer	3.83E-04	1.30E-06	2.41E-04	0.00E+00	0.00E+00	2.41E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	3.83E-04
7719	ALL	486993.8	3614493	NonCancer	4.23E-04	1.44E-06	2.67E-04	0.00E+00	0.00E+00	2.67E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.23E-04
7720	ALL	486987.1	3614470	NonCancer	4.58E-04	1.56E-06	2.88E-04	0.00E+00	0.00E+00	2.88E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	4.58E-04
7721	ALL	486980.4	3614447	NonCancer	4.84E-04	1.64E-06	3.05E-04	0.00E+00	0.00E+00	3.05E-04	1.64E-06	0.00E+00	1.64E-06	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	4.84E-04
7722	ALL	486973.7	3614424	NonCancer	5.00E-04	1.70E-06	3.15E-04	0.00E+00	0.00E+00	3.15E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	5.00E-04
7723	ALL	486967	3614400	NonCancer	5.06E-04	1.72E-06	3.18E-04	0.00E+00	0.00E+00	3.18E-04	1.72E-06	0.00E+00	1.72E-06	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	5.06E-04
7724	ALL	486960.3	3614377	NonCancer	5.00E-04	1.70E-06	3.15E-04	0.00E+00	0.00E+00	3.15E-04	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	5.00E-04
7725	ALL	486953.5	3614354	NonCancer	4.84E-04	1.65E-06	3.05E-04	0.00E+00	0.00E+00	3.05E-04	1.65E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	4.84E-04
7726	ALL	486946.8	3614331	NonCancer	4.59E-04	1.56E-06	2.89E-04	0.00E+00	0.00E+00	2.89E-04	1.56E-06	0.00E+00	1.56E-06	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	4.59E-04
7727	ALL	486940.1	3614308	NonCancer	4.45E-04	1.51E-06	2.80E-04	0.00E+00	0.00E+00	2.80E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	4.45E-04
7728	ALL	486933.4	3614285	NonCancer	4.88E-04	1.66E-06	3.07E-04	0.00E+00	0.00E+00	3.07E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	4.88E-04
7729	ALL	486926.7	3614262	NonCancer	5.50E-04	1.87E-06	3.46E-04	0.00E+00	0.00E+00	3.46E-04	1.87E-06	0.00E+00	1.87E-06	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	5.50E-04
7730	ALL	486919.9	3614238	NonCancer	6.04E-04	2.05E-06	3.80E-04	0.00E+00	0.00E+00	3.80E-04	2.05E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	6.04E-04
7731	ALL	486913.2	3614215	NonCancer	6.45E-04	2.19E-06	4.06E-04	0.00E+00	0.00E+00	4.06E-04	2.19E-06	0.00E+00	2.19E-06	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	6.45E-04
7732	ALL	486906.5	3614192	NonCancer	6.72E-04	2.28E-06	4.23E-04	0.00E+00	0.00E+00	4.23E-04	2.28E-06	0.00E+00	2.28E-06	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	6.72E-04
7733	ALL	486899.8	3614169	NonCancer	6.81E-04	2.32E-06	4.29E-04	0.00E+00	0.00E+00	4.29E-04	2.32E-06	0.00E+00	2.32E-06	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	6.81E-04
7734	ALL	486893.1	3614146	NonCancer	6.73E-04	2.29E-06	4.24E-04	0.00E+00	0.00E+00	4.24E-04	2.29E-06	0.00E+00	2.29E-06	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	6.73E-04
7735	ALL	486886.4	3614123	NonCancer	6.49E-04	2.20E-06	4.08E-04	0.00E+00	0.00E+00	4.08E-04	2.20E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	6.49E-04
7736	ALL	486879.6	3614099	NonCancer	6.09E-04	2.07E-06	3.84E-04	0.00E+00	0.00E+00	3.84E-04	2.07E-06	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	6.09E-04
7737	ALL	486872.9	3614076	NonCancer	5.59E-04	1.90E-06	3.52E-04	0.00E+00	0.00E+00	3.52E-04	1.90E-06	0.00E+00	1.90E-06	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	5.59E-04
7738	ALL	488817.1	3616485	NonCancer	2.78E-04	9.45E-07	1.75E-04	0.00E+00	0.00E+00	1.75E-04	9.45E-07	0.00E+00	9.45E-07	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	2.78E-04
7739	ALL	488841.1	3616488	NonCancer	2.82E-04	9.60E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.60E-07	0.00E+00	9.60E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.82E-04
7740	ALL	488865.2	3616490	NonCancer	2.82E-04	9.58E-07	1.77E-04	0.00E+00	0.00E+00	1.77E-04	9.58E-07	0.00E+00	9.58E-07	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	2.82E-04
7741	ALL	488889.2	3616493	NonCancer	2.80E-04	9.52E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.52E-07	0.00E+00	9.52E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.80E-04
7742	ALL	488913.2	3616495	NonCancer	3.06E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.06E-04
7743	ALL	488753.2	3616871	NonCancer	2.21E-04	7.50E-07	1.39E-04	0.00E+00	0.00E+00	1.39E-04	7.50E-07	0.00E+00	7.50E-07	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	2.21E-04
7744	ALL	488732.1	3616860	NonCancer	2.15E-04	7.32E-07	1.36E-04	0.00E+00	0.00E+00	1.36E-04	7.32E-07	0.00E+00	7.32E-07	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	2.15E-04
7745	ALL	488711	3616848	NonCancer	2.08E-04	7.06E-07	1.31E-04	0.00E+00	0.00E+00	1.31E-04	7.06E-07	0.00E+00	7.06E-07	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	2.08E-04
7746	ALL	488690	3616837	NonCancer	1.98E-04	6.72E-07	1.24E-04	0.00E+00	0.00E+00	1.24E-04	6.72E-07	0.00E+00	6.72E-07	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	1.98E-04
7747	ALL	488668.9	3616825	NonCancer	1.86E-04	6.32E-07	1.17E-04	0.00E+00	0.00E+00	1.17E-04	6.32E-07	0.00E+00	6.32E-07	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	1.86E-04

7748	ALL	488647.8	3616814	NonCancer	1.73E-04	5.87E-07	1.09E-04	0.00E+00	0.00E+00	1.09E-04	5.87E-07	0.00E+00	5.87E-07	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	1.73E-04
7749	ALL	488626.7	3616802	NonCancer	1.58E-04	5.38E-07	9.96E-05	0.00E+00	0.00E+00	9.96E-05	5.38E-07	0.00E+00	5.38E-07	0.00E+00	0.00E+00	9.96E-05	0.00E+00	0.00E+00	1.58E-04
7750	ALL	488605.6	3616790	NonCancer	1.43E-04	4.87E-07	9.02E-05	0.00E+00	0.00E+00	9.02E-05	4.87E-07	0.00E+00	4.87E-07	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00	1.43E-04
7751	ALL	488584.5	3616779	NonCancer	1.28E-04	4.36E-07	8.07E-05	0.00E+00	0.00E+00	8.07E-05	4.36E-07	0.00E+00	4.36E-07	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	1.28E-04
7752	ALL	488563.5	3616767	NonCancer	1.13E-04	3.85E-07	7.13E-05	0.00E+00	0.00E+00	7.13E-05	3.85E-07	0.00E+00	3.85E-07	0.00E+00	0.00E+00	7.13E-05	0.00E+00	0.00E+00	1.13E-04
7753	ALL	488542.4	3616756	NonCancer	1.09E-04	3.70E-07	6.84E-05	0.00E+00	0.00E+00	6.84E-05	3.70E-07	0.00E+00	3.70E-07	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00	1.09E-04
7754	ALL	488521.3	3616744	NonCancer	1.05E-04	3.57E-07	6.60E-05	0.00E+00	0.00E+00	6.60E-05	3.57E-07	0.00E+00	3.57E-07	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	1.05E-04
7755	ALL	488500.2	3616733	NonCancer	1.01E-04	3.43E-07	6.36E-05	0.00E+00	0.00E+00	6.36E-05	3.43E-07	0.00E+00	3.43E-07	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	1.01E-04
7756	ALL	488479.1	3616721	NonCancer	1.02E-04	3.48E-07	6.44E-05	0.00E+00	0.00E+00	6.44E-05	3.48E-07	0.00E+00	3.48E-07	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00	1.02E-04
7757	ALL	488458	3616710	NonCancer	1.03E-04	3.50E-07	6.47E-05	0.00E+00	0.00E+00	6.47E-05	3.50E-07	0.00E+00	3.50E-07	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00	1.03E-04
7758	ALL	488437	3616698	NonCancer	1.02E-04	3.48E-07	6.45E-05	0.00E+00	0.00E+00	6.45E-05	3.48E-07	0.00E+00	3.48E-07	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	1.02E-04
7759	ALL	488415.9	3616687	NonCancer	1.01E-04	3.43E-07	6.35E-05	0.00E+00	0.00E+00	6.35E-05	3.43E-07	0.00E+00	3.43E-07	0.00E+00	0.00E+00	6.35E-05	0.00E+00	0.00E+00	1.01E-04
7760	ALL	488394.8	3616675	NonCancer	1.20E-04	4.08E-07	7.55E-05	0.00E+00	0.00E+00	7.55E-05	4.08E-07	0.00E+00	4.08E-07	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	1.20E-04
7761	ALL	488373.7	3616663	NonCancer	1.43E-04	4.88E-07	9.03E-05	0.00E+00	0.00E+00	9.03E-05	4.88E-07	0.00E+00	4.88E-07	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00	1.43E-04
7762	ALL	488352.6	3616652	NonCancer	1.70E-04	5.78E-07	1.07E-04	0.00E+00	0.00E+00	1.07E-04	5.78E-07	0.00E+00	5.78E-07	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	1.70E-04
7763	ALL	488331.6	3616640	NonCancer	1.99E-04	6.76E-07	1.25E-04	0.00E+00	0.00E+00	1.25E-04	6.76E-07	0.00E+00	6.76E-07	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	1.99E-04
7764	ALL	488310.5	3616629	NonCancer	2.29E-04	7.80E-07	1.44E-04	0.00E+00	0.00E+00	1.44E-04	7.80E-07	0.00E+00	7.80E-07	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	2.29E-04
7765	ALL	488289.4	3616617	NonCancer	2.61E-04	8.87E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.87E-07	0.00E+00	8.87E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.61E-04
7766	ALL	488268.3	3616606	NonCancer	2.92E-04	9.92E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.92E-07	0.00E+00	9.92E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.92E-04
7767	ALL	488247.2	3616594	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
7768	ALL	488226.1	3616583	NonCancer	3.48E-04	1.18E-06	2.19E-04	0.00E+00	0.00E+00	2.19E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	3.48E-04
7769	ALL	488205.1	3616571	NonCancer	3.70E-04	1.26E-06	2.33E-04	0.00E+00	0.00E+00	2.33E-04	1.26E-06	0.00E+00	1.26E-06	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	3.70E-04
7770	ALL	488184	3616560	NonCancer	3.86E-04	1.31E-06	2.43E-04	0.00E+00	0.00E+00	2.43E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	3.86E-04
7771	ALL	488162.9	3616548	NonCancer	3.97E-04	1.35E-06	2.50E-04	0.00E+00	0.00E+00	2.50E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	3.97E-04
7772	ALL	488141.8	3616536	NonCancer	4.00E-04	1.36E-06	2.52E-04	0.00E+00	0.00E+00	2.52E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	4.00E-04
7773	ALL	488120.7	3616525	NonCancer	3.96E-04	1.35E-06	2.49E-04	0.00E+00	0.00E+00	2.49E-04	1.35E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	3.96E-04
7774	ALL	488099.6	3616513	NonCancer	3.85E-04	1.31E-06	2.42E-04	0.00E+00	0.00E+00	2.42E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	3.85E-04
7775	ALL	488078.6	3616502	NonCancer	3.68E-04	1.25E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.68E-04
7776	ALL	488057.5	3616490	NonCancer	3.45E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.45E-04
7777	ALL	488036.4	3616479	NonCancer	3.18E-04	1.08E-06	2.00E-04	0.00E+00	0.00E+00	2.00E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	3.18E-04
7778	ALL	488015.3	3616467	NonCancer	2.88E-04	9.79E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.79E-07	0.00E+00	9.79E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.88E-04
7779	ALL	487994.2	3616456	NonCancer	2.56E-04	8.72E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.72E-07	0.00E+00	8.72E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.56E-04
7780	ALL	487973.2	3616444	NonCancer	2.25E-04	7.64E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.64E-07	0.00E+00	7.64E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.25E-04
7781	ALL	487952.1	3616433	NonCancer	1.94E-04	6.58E-07	1.22E-04	0.00E+00	0.00E+00	1.22E-04	6.58E-07	0.00E+00	6.58E-07	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	1.94E-04
7782	ALL	487931	3616421	NonCancer	1.65E-04	5.60E-07	1.04E-04	0.00E+00	0.00E+00	1.04E-04	5.60E-07	0.00E+00	5.60E-07	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	1.65E-04
7783	ALL	487909.9	3616409	NonCancer	1.38E-04	4.70E-07	8.71E-05	0.00E+00	0.00E+00	8.71E-05	4.70E-07	0.00E+00	4.70E-07	0.00E+00	0.00E+00	8.71E-05	0.00E+00	0.00E+00	1.38E-04
7784	ALL	487888.8	3616398	NonCancer	1.15E-04	3.91E-07	7.24E-05	0.00E+00	0.00E+00	7.24E-05	3.91E-07	0.00E+00	3.91E-07	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	1.15E-04
7785	ALL	487867.7	3616386	NonCancer	9.48E-05	3.22E-07	5.97E-05	0.00E+00	0.00E+00	5.97E-05	3.22E-07	0.00E+00	3.22E-07	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00	9.48E-05
7786	ALL	487846.7	3616375	NonCancer	7.79E-05	2.65E-07	4.91E-05	0.00E+00	0.00E+00	4.91E-05	2.65E-07	0.00E+00	2.65E-07	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	7.79E-05
7787	ALL	487825.6	3616363	NonCancer	6.97E-05	2.37E-07	4.39E-05	0.00E+00	0.00E+00	4.39E-05	2.37E-07	0.00E+00	2.37E-07	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	6.97E-05
7788	ALL	487804.5	3616352	NonCancer	6.96E-05	2.37E-07	4.38E-05	0.00E+00	0.00E+00	4.38E-05	2.37E-07	0.00E+00	2.37E-07	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	6.96E-05
7789	ALL	487783.4	3616340	NonCancer	6.95E-05	2.36E-07	4.38E-05	0.00E+00	0.00E+00	4.38E-05	2.36E-07	0.00E+00	2.36E-07	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	6.95E-05
7790	ALL	487762.3	3616329	NonCancer	6.94E-05	2.36E-07	4.37E-05	0.00E+00	0.00E+00	4.37E-05	2.36E-07	0.00E+00	2.36E-07	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	6.94E-05
7791	ALL	487741.2	3616317	NonCancer	6.93E-05	2.35E-07	4.36E-05	0.00E+00	0.00E+00	4.36E-05	2.35E-07	0.00E+00	2.35E-07	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	6.93E-05
7792	ALL	487720.2	3616306	NonCancer	6.79E-05	2.31E-07	4.28E-05	0.00E+00	0.00E+00	4.28E-05	2.31E-07	0.00E+00	2.31E-07	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	6.79E-05
7793	ALL	487699.1	3616294	NonCancer	6.72E-05	2.28E-07	4.23E-05	0.00E+00	0.00E+00	4.23E-05	2.28E-07	0.00E+00	2.28E-07	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	6.72E-05
7794	ALL	487678	3616283	NonCancer	6.70E-05	2.28E-07	4.22E-05	0.00E+00	0.00E+00	4.22E-05	2.28E-07	0.00E+00	2.28E-07	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	6.70E-05
7795	ALL	487656.9	3616271	NonCancer	6.69E-05	2.27E-07	4.21E-05	0.00E+00	0.00E+00	4.21E-05	2.27E-07	0.00E+00	2.27E-07	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	6.69E-05
7796	ALL	487635.8	3616259	NonCancer	6.68E-05	2.27E-07	4.20E-05	0.00E+00	0.00E+00	4.20E-05	2.27E-07	0.00E+00	2.27E-07	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	6.68E-05
7797	ALL	487614.7	3616248	NonCancer	6.66E-05	2.26E-07	4.19E-05	0.00E+00	0.00E+00	4.19E-05	2.26E-07	0.00E+00	2.26E-07	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	6.66E-05
7798	ALL	487593.7	3616236	NonCancer	6.63E-05	2.25E-07	4.18E-05	0.00E+00	0.00E+00	4.18E-05	2.25E-07	0.00E+00	2.25E-07	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	6.63E-05
7799	ALL	487572.6	3616225	NonCancer	6.61E-05	2.25E-07	4.16E-05	0.00E+00	0.00E+00	4.16E-05	2.25E-07	0.00E+00	2.25E-07	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	6.61E-05

7800	ALL	487551.5	3616213	NonCancer	6.60E-05	2.24E-07	4.15E-05	0.00E+00	0.00E+00	4.15E-05	2.24E-07	0.00E+00	2.24E-07	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00	6.60E-05
7801	ALL	487530.4	3616202	NonCancer	6.77E-05	2.30E-07	4.26E-05	0.00E+00	0.00E+00	4.26E-05	2.30E-07	0.00E+00	2.30E-07	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	6.77E-05
7802	ALL	487509.3	3616190	NonCancer	7.73E-05	2.63E-07	4.87E-05	0.00E+00	0.00E+00	4.87E-05	2.63E-07	0.00E+00	2.63E-07	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	7.73E-05
7803	ALL	487488.3	3616179	NonCancer	8.72E-05	2.96E-07	5.49E-05	0.00E+00	0.00E+00	5.49E-05	2.96E-07	0.00E+00	2.96E-07	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	8.72E-05
7804	ALL	487467.2	3616167	NonCancer	9.71E-05	3.30E-07	6.12E-05	0.00E+00	0.00E+00	6.12E-05	3.30E-07	0.00E+00	3.30E-07	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	9.71E-05
7805	ALL	487446.1	3616156	NonCancer	1.07E-04	3.64E-07	6.73E-05	0.00E+00	0.00E+00	6.73E-05	3.64E-07	0.00E+00	3.64E-07	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	1.07E-04
7806	ALL	487425	3616144	NonCancer	1.16E-04	3.95E-07	7.32E-05	0.00E+00	0.00E+00	7.32E-05	3.95E-07	0.00E+00	3.95E-07	0.00E+00	0.00E+00	7.32E-05	0.00E+00	0.00E+00	1.16E-04
7807	ALL	487403.9	3616132	NonCancer	1.25E-04	4.25E-07	7.87E-05	0.00E+00	0.00E+00	7.87E-05	4.25E-07	0.00E+00	4.25E-07	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	1.25E-04
7808	ALL	487382.8	3616121	NonCancer	1.33E-04	4.51E-07	8.36E-05	0.00E+00	0.00E+00	8.36E-05	4.51E-07	0.00E+00	4.51E-07	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00	1.33E-04
7809	ALL	487361.8	3616109	NonCancer	1.39E-04	4.74E-07	8.77E-05	0.00E+00	0.00E+00	8.77E-05	4.74E-07	0.00E+00	4.74E-07	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	1.39E-04
7810	ALL	487340.7	3616098	NonCancer	1.45E-04	4.91E-07	9.10E-05	0.00E+00	0.00E+00	9.10E-05	4.91E-07	0.00E+00	4.91E-07	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	1.45E-04
7811	ALL	487319.6	3616086	NonCancer	1.48E-04	5.04E-07	9.33E-05	0.00E+00	0.00E+00	9.33E-05	5.04E-07	0.00E+00	5.04E-07	0.00E+00	0.00E+00	9.33E-05	0.00E+00	0.00E+00	1.48E-04
7812	ALL	487298.5	3616075	NonCancer	1.50E-04	5.11E-07	9.46E-05	0.00E+00	0.00E+00	9.46E-05	5.11E-07	0.00E+00	5.11E-07	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	1.50E-04
7813	ALL	487277.4	3616063	NonCancer	1.51E-04	5.12E-07	9.48E-05	0.00E+00	0.00E+00	9.48E-05	5.12E-07	0.00E+00	5.12E-07	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	1.51E-04
7814	ALL	487256.3	3616052	NonCancer	1.49E-04	5.08E-07	9.40E-05	0.00E+00	0.00E+00	9.40E-05	5.08E-07	0.00E+00	5.08E-07	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	1.49E-04
7815	ALL	487235.3	3616040	NonCancer	1.46E-04	4.98E-07	9.22E-05	0.00E+00	0.00E+00	9.22E-05	4.98E-07	0.00E+00	4.98E-07	0.00E+00	0.00E+00	9.22E-05	0.00E+00	0.00E+00	1.46E-04
7816	ALL	487214.2	3616029	NonCancer	1.42E-04	4.83E-07	8.94E-05	0.00E+00	0.00E+00	8.94E-05	4.83E-07	0.00E+00	4.83E-07	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00	1.42E-04
7817	ALL	487193.1	3616017	NonCancer	1.36E-04	4.63E-07	8.57E-05	0.00E+00	0.00E+00	8.57E-05	4.63E-07	0.00E+00	4.63E-07	0.00E+00	0.00E+00	8.57E-05	0.00E+00	0.00E+00	1.36E-04
7818	ALL	487172	3616005	NonCancer	1.29E-04	4.39E-07	8.14E-05	0.00E+00	0.00E+00	8.14E-05	4.39E-07	0.00E+00	4.39E-07	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	1.29E-04
7819	ALL	487150.9	3615994	NonCancer	1.21E-04	4.13E-07	7.64E-05	0.00E+00	0.00E+00	7.64E-05	4.13E-07	0.00E+00	4.13E-07	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	1.21E-04
7820	ALL	487129.9	3615982	NonCancer	1.13E-04	3.84E-07	7.10E-05	0.00E+00	0.00E+00	7.10E-05	3.84E-07	0.00E+00	3.84E-07	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00	1.13E-04
7821	ALL	487108.8	3615971	NonCancer	1.04E-04	3.53E-07	6.54E-05	0.00E+00	0.00E+00	6.54E-05	3.53E-07	0.00E+00	3.53E-07	0.00E+00	0.00E+00	6.54E-05	0.00E+00	0.00E+00	1.04E-04
7822	ALL	487087.7	3615959	NonCancer	9.58E-05	3.26E-07	6.03E-05	0.00E+00	0.00E+00	6.03E-05	3.26E-07	0.00E+00	3.26E-07	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	9.58E-05
7823	ALL	487066.6	3615948	NonCancer	1.00E-04	3.40E-07	6.30E-05	0.00E+00	0.00E+00	6.30E-05	3.40E-07	0.00E+00	3.40E-07	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	1.00E-04
7824	ALL	487045.5	3615936	NonCancer	1.03E-04	3.52E-07	6.51E-05	0.00E+00	0.00E+00	6.51E-05	3.52E-07	0.00E+00	3.52E-07	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	1.03E-04
7825	ALL	487017.7	3615902	NonCancer	1.08E-04	3.68E-07	6.81E-05	0.00E+00	0.00E+00	6.81E-05	3.68E-07	0.00E+00	3.68E-07	0.00E+00	0.00E+00	6.81E-05	0.00E+00	0.00E+00	1.08E-04
7826	ALL	487011	3615878	NonCancer	1.09E-04	3.72E-07	6.88E-05	0.00E+00	0.00E+00	6.88E-05	3.72E-07	0.00E+00	3.72E-07	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	1.09E-04
7827	ALL	487004.4	3615855	NonCancer	1.10E-04	3.72E-07	6.90E-05	0.00E+00	0.00E+00	6.90E-05	3.72E-07	0.00E+00	3.72E-07	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00	1.10E-04
7828	ALL	486997.7	3615832	NonCancer	1.09E-04	3.69E-07	6.84E-05	0.00E+00	0.00E+00	6.84E-05	3.69E-07	0.00E+00	3.69E-07	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00	1.09E-04
7829	ALL	486991	3615809	NonCancer	1.07E-04	3.63E-07	6.72E-05	0.00E+00	0.00E+00	6.72E-05	3.63E-07	0.00E+00	3.63E-07	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00	1.07E-04
7830	ALL	486984.3	3615786	NonCancer	1.04E-04	3.53E-07	6.54E-05	0.00E+00	0.00E+00	6.54E-05	3.53E-07	0.00E+00	3.53E-07	0.00E+00	0.00E+00	6.54E-05	0.00E+00	0.00E+00	1.04E-04
7831	ALL	486977.6	3615763	NonCancer	1.10E-04	3.74E-07	6.93E-05	0.00E+00	0.00E+00	6.93E-05	3.74E-07	0.00E+00	3.74E-07	0.00E+00	0.00E+00	6.93E-05	0.00E+00	0.00E+00	1.10E-04
7832	ALL	486970.9	3615740	NonCancer	1.17E-04	3.96E-07	7.34E-05	0.00E+00	0.00E+00	7.34E-05	3.96E-07	0.00E+00	3.96E-07	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	1.17E-04
7833	ALL	486964.2	3615717	NonCancer	1.22E-04	4.15E-07	7.69E-05	0.00E+00	0.00E+00	7.69E-05	4.15E-07	0.00E+00	4.15E-07	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00	1.22E-04
7834	ALL	486957.5	3615694	NonCancer	1.27E-04	4.31E-07	7.98E-05	0.00E+00	0.00E+00	7.98E-05	4.31E-07	0.00E+00	4.31E-07	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	1.27E-04
7835	ALL	486950.8	3615671	NonCancer	1.30E-04	4.42E-07	8.19E-05	0.00E+00	0.00E+00	8.19E-05	4.42E-07	0.00E+00	4.42E-07	0.00E+00	0.00E+00	8.19E-05	0.00E+00	0.00E+00	1.30E-04
7836	ALL	486944.1	3615648	NonCancer	1.35E-04	4.59E-07	8.51E-05	0.00E+00	0.00E+00	8.51E-05	4.59E-07	0.00E+00	4.59E-07	0.00E+00	0.00E+00	8.51E-05	0.00E+00	0.00E+00	1.35E-04
7837	ALL	486937.4	3615625	NonCancer	1.45E-04	4.94E-07	9.16E-05	0.00E+00	0.00E+00	9.16E-05	4.94E-07	0.00E+00	4.94E-07	0.00E+00	0.00E+00	9.16E-05	0.00E+00	0.00E+00	1.45E-04
7838	ALL	486930.7	3615601	NonCancer	1.55E-04	5.26E-07	9.74E-05	0.00E+00	0.00E+00	9.74E-05	5.26E-07	0.00E+00	5.26E-07	0.00E+00	0.00E+00	9.74E-05	0.00E+00	0.00E+00	1.55E-04
7839	ALL	486924	3615578	NonCancer	1.63E-04	5.53E-07	1.02E-04	0.00E+00	0.00E+00	1.02E-04	5.53E-07	0.00E+00	5.53E-07	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	1.63E-04
7840	ALL	486917.3	3615555	NonCancer	1.70E-04	5.79E-07	1.07E-04	0.00E+00	0.00E+00	1.07E-04	5.79E-07	0.00E+00	5.79E-07	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	1.70E-04
7841	ALL	486910.6	3615532	NonCancer	1.85E-04	6.29E-07	1.16E-04	0.00E+00	0.00E+00	1.16E-04	6.29E-07	0.00E+00	6.29E-07	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.85E-04
7842	ALL	486903.9	3615509	NonCancer	1.98E-04	6.74E-07	1.25E-04	0.00E+00	0.00E+00	1.25E-04	6.74E-07	0.00E+00	6.74E-07	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	1.98E-04
7843	ALL	486897.2	3615486	NonCancer	2.09E-04	7.12E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.12E-07	0.00E+00	7.12E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.09E-04
7844	ALL	486890.5	3615463	NonCancer	2.18E-04	7.42E-07	1.37E-04	0.00E+00	0.00E+00	1.37E-04	7.42E-07	0.00E+00	7.42E-07	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	2.18E-04
7845	ALL	486883.8	3615440	NonCancer	2.24E-04	7.63E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.63E-07	0.00E+00	7.63E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.24E-04
7846	ALL	486877.1	3615417	NonCancer	2.28E-04	7.74E-07	1.43E-04	0.00E+00	0.00E+00	1.43E-04	7.74E-07	0.00E+00	7.74E-07	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	2.28E-04
7847	ALL	486870.4	3615394	NonCancer	2.27E-04	7.73E-07	1.43E-04	0.00E+00	0.00E+00	1.43E-04	7.73E-07	0.00E+00	7.73E-07	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	2.27E-04
7848	ALL	486863.7	3615371	NonCancer	2.24E-04	7.62E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.62E-07	0.00E+00	7.62E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.24E-04
7849	ALL	486857	3615348	NonCancer	2.18E-04	7.40E-07	1.37E-04	0.00E+00	0.00E+00	1.37E-04	7.40E-07	0.00E+00	7.40E-07	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	2.18E-04
7850	ALL	486850.3	3615324	NonCancer	2.30E-04	7.81E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.81E-07	0.00E+00	7.81E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
7851	ALL	486843.7	3615301	NonCancer	2.60E-04	8.84E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.84E-07	0.00E+00	8.84E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.60E-04

7852	ALL	486837	3615278	NonCancer	2.89E-04	9.83E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.83E-07	0.00E+00	9.83E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.89E-04
7853	ALL	486830.3	3615255	NonCancer	3.16E-04	1.08E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.16E-04
7854	ALL	486823.6	3615232	NonCancer	3.40E-04	1.16E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.40E-04
7855	ALL	486816.9	3615209	NonCancer	3.59E-04	1.22E-06	2.26E-04	0.00E+00	0.00E+00	2.26E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	3.59E-04
7856	ALL	486810.2	3615186	NonCancer	3.73E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.73E-04
7857	ALL	486803.5	3615163	NonCancer	3.80E-04	1.29E-06	2.39E-04	0.00E+00	0.00E+00	2.39E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	3.80E-04
7858	ALL	486796.8	3615140	NonCancer	3.81E-04	1.29E-06	2.40E-04	0.00E+00	0.00E+00	2.40E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	3.81E-04
7859	ALL	486790.1	3615117	NonCancer	3.74E-04	1.27E-06	2.36E-04	0.00E+00	0.00E+00	2.36E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	3.74E-04
7860	ALL	486783.4	3615094	NonCancer	3.61E-04	1.23E-06	2.28E-04	0.00E+00	0.00E+00	2.28E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	3.61E-04
7861	ALL	486776.7	3615070	NonCancer	3.43E-04	1.17E-06	2.16E-04	0.00E+00	0.00E+00	2.16E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	3.43E-04
7862	ALL	486770	3615047	NonCancer	3.19E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
7863	ALL	486763.3	3615024	NonCancer	2.92E-04	9.94E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.94E-07	0.00E+00	9.94E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.92E-04
7864	ALL	486756.6	3615001	NonCancer	3.17E-04	1.08E-06	2.00E-04	0.00E+00	0.00E+00	2.00E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	3.17E-04
7865	ALL	486749.9	3614978	NonCancer	3.41E-04	1.16E-06	2.15E-04	0.00E+00	0.00E+00	2.15E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.41E-04
7866	ALL	486743.2	3614955	NonCancer	3.60E-04	1.22E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.60E-04
7867	ALL	486736.5	3614932	NonCancer	3.73E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.73E-04
7868	ALL	486729.8	3614909	NonCancer	3.80E-04	1.29E-06	2.39E-04	0.00E+00	0.00E+00	2.39E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	3.80E-04
7869	ALL	486723.1	3614886	NonCancer	3.81E-04	1.29E-06	2.40E-04	0.00E+00	0.00E+00	2.40E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	3.81E-04
7870	ALL	486716.4	3614863	NonCancer	3.74E-04	1.27E-06	2.36E-04	0.00E+00	0.00E+00	2.36E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	3.74E-04
7871	ALL	486709.7	3614840	NonCancer	3.61E-04	1.23E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.23E-06	0.00E+00	1.23E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.61E-04
7872	ALL	486703	3614817	NonCancer	3.43E-04	1.16E-06	2.16E-04	0.00E+00	0.00E+00	2.16E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	3.43E-04
7873	ALL	486696.3	3614793	NonCancer	3.19E-04	1.08E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
7874	ALL	486689.6	3614770	NonCancer	2.92E-04	9.93E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.93E-07	0.00E+00	9.93E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.92E-04
7875	ALL	486683	3614747	NonCancer	2.70E-04	9.17E-07	1.70E-04	0.00E+00	0.00E+00	1.70E-04	9.17E-07	0.00E+00	9.17E-07	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	2.70E-04
7876	ALL	486676.3	3614724	NonCancer	2.46E-04	8.38E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.38E-07	0.00E+00	8.38E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.46E-04
7877	ALL	486669.6	3614701	NonCancer	2.21E-04	7.53E-07	1.39E-04	0.00E+00	0.00E+00	1.39E-04	7.53E-07	0.00E+00	7.53E-07	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	2.21E-04
7878	ALL	486662.9	3614678	NonCancer	2.21E-04	7.51E-07	1.39E-04	0.00E+00	0.00E+00	1.39E-04	7.51E-07	0.00E+00	7.51E-07	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	2.21E-04
7879	ALL	486656.2	3614655	NonCancer	2.24E-04	7.62E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.62E-07	0.00E+00	7.62E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.24E-04
7880	ALL	486649.5	3614632	NonCancer	2.27E-04	7.71E-07	1.43E-04	0.00E+00	0.00E+00	1.43E-04	7.71E-07	0.00E+00	7.71E-07	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	2.27E-04
7881	ALL	486642.8	3614609	NonCancer	2.53E-04	8.61E-07	1.59E-04	0.00E+00	0.00E+00	1.59E-04	8.61E-07	0.00E+00	8.61E-07	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	2.53E-04
7882	ALL	486636.1	3614586	NonCancer	2.78E-04	9.46E-07	1.75E-04	0.00E+00	0.00E+00	1.75E-04	9.46E-07	0.00E+00	9.46E-07	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	2.78E-04
7883	ALL	486629.4	3614563	NonCancer	3.00E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.00E-04
7884	ALL	486622.7	3614540	NonCancer	3.29E-04	1.12E-06	2.07E-04	0.00E+00	0.00E+00	2.07E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	3.29E-04
7885	ALL	486616	3614516	NonCancer	3.55E-04	1.21E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.55E-04
7886	ALL	486609.3	3614493	NonCancer	3.77E-04	1.28E-06	2.37E-04	0.00E+00	0.00E+00	2.37E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	3.77E-04
7887	ALL	486602.6	3614470	NonCancer	3.93E-04	1.34E-06	2.47E-04	0.00E+00	0.00E+00	2.47E-04	1.34E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	3.93E-04
7888	ALL	486595.9	3614447	NonCancer	4.02E-04	1.37E-06	2.53E-04	0.00E+00	0.00E+00	2.53E-04	1.37E-06	0.00E+00	1.37E-06	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	4.02E-04
7889	ALL	486589.2	3614424	NonCancer	4.05E-04	1.38E-06	2.55E-04	0.00E+00	0.00E+00	2.55E-04	1.38E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	4.05E-04
7890	ALL	486582.5	3614401	NonCancer	4.01E-04	1.36E-06	2.52E-04	0.00E+00	0.00E+00	2.52E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	4.01E-04
7891	ALL	486575.8	3614378	NonCancer	3.90E-04	1.33E-06	2.45E-04	0.00E+00	0.00E+00	2.45E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	3.90E-04
7892	ALL	486569.1	3614355	NonCancer	3.73E-04	1.27E-06	2.35E-04	0.00E+00	0.00E+00	2.35E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	3.73E-04
7893	ALL	486562.4	3614332	NonCancer	3.58E-04	1.22E-06	2.25E-04	0.00E+00	0.00E+00	2.25E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	3.58E-04
7894	ALL	486555.7	3614309	NonCancer	3.53E-04	1.20E-06	2.22E-04	0.00E+00	0.00E+00	2.22E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.53E-04
7895	ALL	486549	3614286	NonCancer	3.91E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.91E-04
7896	ALL	486542.3	3614263	NonCancer	4.36E-04	1.48E-06	2.74E-04	0.00E+00	0.00E+00	2.74E-04	1.48E-06	0.00E+00	1.48E-06	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	4.36E-04
7897	ALL	486535.6	3614239	NonCancer	4.75E-04	1.62E-06	2.99E-04	0.00E+00	0.00E+00	2.99E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	4.75E-04
7898	ALL	486528.9	3614216	NonCancer	5.08E-04	1.73E-06	3.20E-04	0.00E+00	0.00E+00	3.20E-04	1.73E-06	0.00E+00	1.73E-06	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	5.08E-04
7899	ALL	486522.3	3614193	NonCancer	5.31E-04	1.81E-06	3.34E-04	0.00E+00	0.00E+00	3.34E-04	1.81E-06	0.00E+00	1.81E-06	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	5.31E-04
7900	ALL	486515.6	3614170	NonCancer	5.44E-04	1.85E-06	3.43E-04	0.00E+00	0.00E+00	3.43E-04	1.85E-06	0.00E+00	1.85E-06	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	5.44E-04
7901	ALL	486508.9	3614147	NonCancer	5.46E-04	1.86E-06	3.44E-04	0.00E+00	0.00E+00	3.44E-04	1.86E-06	0.00E+00	1.86E-06	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	5.46E-04
7902	ALL	486502.2	3614124	NonCancer	5.37E-04	1.83E-06	3.38E-04	0.00E+00	0.00E+00	3.38E-04	1.83E-06	0.00E+00	1.83E-06	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	5.37E-04
7903	ALL	486495.5	3614101	NonCancer	5.17E-04	1.76E-06	3.26E-04	0.00E+00	0.00E+00	3.26E-04	1.76E-06	0.00E+00	1.76E-06	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	5.17E-04

7904	ALL	486488.8	3614078	NonCancer	4.89E-04	1.66E-06	3.08E-04	0.00E+00	0.00E+00	3.08E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	4.89E-04
7905	ALL	486482.1	3614055	NonCancer	4.53E-04	1.54E-06	2.85E-04	0.00E+00	0.00E+00	2.85E-04	1.54E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	4.53E-04
7906	ALL	486475.4	3614032	NonCancer	4.11E-04	1.40E-06	2.59E-04	0.00E+00	0.00E+00	2.59E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	4.11E-04
7907	ALL	488774.3	3616883	NonCancer	2.23E-04	7.59E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.59E-07	0.00E+00	7.59E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.23E-04
7908	ALL	488798.3	3616885	NonCancer	2.24E-04	7.63E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.63E-07	0.00E+00	7.63E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.24E-04
7909	ALL	488822.4	3616888	NonCancer	2.23E-04	7.56E-07	1.40E-04	0.00E+00	0.00E+00	1.40E-04	7.56E-07	0.00E+00	7.56E-07	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	2.23E-04
7910	ALL	488846.4	3616891	NonCancer	2.22E-04	7.53E-07	1.39E-04	0.00E+00	0.00E+00	1.39E-04	7.53E-07	0.00E+00	7.53E-07	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	2.22E-04
7911	ALL	488870.4	3616893	NonCancer	2.40E-04	8.17E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.17E-07	0.00E+00	8.17E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04
7912	ALL	488710.4	3617269	NonCancer	3.80E-04	1.29E-06	2.39E-04	0.00E+00	0.00E+00	2.39E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	3.80E-04
7913	ALL	488689.4	3617257	NonCancer	4.76E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.76E-04
7914	ALL	488668.4	3617246	NonCancer	6.69E-04	2.27E-06	4.21E-04	0.00E+00	0.00E+00	4.21E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	6.69E-04
7915	ALL	488647.3	3617234	NonCancer	7.78E-04	2.65E-06	4.90E-04	0.00E+00	0.00E+00	4.90E-04	2.65E-06	0.00E+00	2.65E-06	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	7.78E-04
7916	ALL	488626.3	3617223	NonCancer	8.65E-04	2.94E-06	5.45E-04	0.00E+00	0.00E+00	5.45E-04	2.94E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	8.65E-04
7917	ALL	488605.3	3617211	NonCancer	9.01E-04	3.06E-06	5.68E-04	0.00E+00	0.00E+00	5.68E-04	3.06E-06	0.00E+00	3.06E-06	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	9.01E-04
7918	ALL	488584.3	3617200	NonCancer	3.06E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.06E-04
7919	ALL	488563.2	3617188	NonCancer	2.40E-04	8.15E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.15E-07	0.00E+00	8.15E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.40E-04
7920	ALL	488542.2	3617177	NonCancer	1.23E-04	4.18E-07	7.74E-05	0.00E+00	0.00E+00	7.74E-05	4.18E-07	0.00E+00	4.18E-07	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	1.23E-04
7921	ALL	488521.2	3617165	NonCancer	1.12E-04	3.80E-07	7.04E-05	0.00E+00	0.00E+00	7.04E-05	3.80E-07	0.00E+00	3.80E-07	0.00E+00	0.00E+00	7.04E-05	0.00E+00	0.00E+00	1.12E-04
7922	ALL	488500.1	3617154	NonCancer	1.01E-04	3.43E-07	6.35E-05	0.00E+00	0.00E+00	6.35E-05	3.43E-07	0.00E+00	3.43E-07	0.00E+00	0.00E+00	6.35E-05	0.00E+00	0.00E+00	1.01E-04
7923	ALL	488479.1	3617142	NonCancer	9.17E-05	3.12E-07	5.77E-05	0.00E+00	0.00E+00	5.77E-05	3.12E-07	0.00E+00	3.12E-07	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	9.17E-05
7924	ALL	488458.1	3617131	NonCancer	8.96E-05	3.05E-07	5.64E-05	0.00E+00	0.00E+00	5.64E-05	3.05E-07	0.00E+00	3.05E-07	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	8.96E-05
7925	ALL	488437	3617119	NonCancer	9.05E-05	3.08E-07	5.70E-05	0.00E+00	0.00E+00	5.70E-05	3.08E-07	0.00E+00	3.08E-07	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00	9.05E-05
7926	ALL	488416	3617108	NonCancer	9.03E-05	3.07E-07	5.69E-05	0.00E+00	0.00E+00	5.69E-05	3.07E-07	0.00E+00	3.07E-07	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	9.03E-05
7927	ALL	488395	3617096	NonCancer	9.17E-05	3.12E-07	5.77E-05	0.00E+00	0.00E+00	5.77E-05	3.12E-07	0.00E+00	3.12E-07	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	9.17E-05
7928	ALL	488373.9	3617085	NonCancer	9.28E-05	3.16E-07	5.85E-05	0.00E+00	0.00E+00	5.85E-05	3.16E-07	0.00E+00	3.16E-07	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00	9.28E-05
7929	ALL	488352.9	3617073	NonCancer	9.33E-05	3.17E-07	5.87E-05	0.00E+00	0.00E+00	5.87E-05	3.17E-07	0.00E+00	3.17E-07	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	9.33E-05
7930	ALL	488331.9	3617062	NonCancer	9.32E-05	3.17E-07	5.87E-05	0.00E+00	0.00E+00	5.87E-05	3.17E-07	0.00E+00	3.17E-07	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	9.32E-05
7931	ALL	488310.8	3617050	NonCancer	9.24E-05	3.14E-07	5.82E-05	0.00E+00	0.00E+00	5.82E-05	3.14E-07	0.00E+00	3.14E-07	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00	9.24E-05
7932	ALL	488289.8	3617039	NonCancer	2.73E-04	9.27E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.27E-07	0.00E+00	9.27E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.73E-04
7933	ALL	488268.8	3617027	NonCancer	4.33E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.33E-04
7934	ALL	488247.7	3617016	NonCancer	3.25E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.25E-04
7935	ALL	488226.7	3617004	NonCancer	1.35E-04	4.57E-07	8.47E-05	0.00E+00	0.00E+00	8.47E-05	4.57E-07	0.00E+00	4.57E-07	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00	1.35E-04
7936	ALL	488205.7	3616993	NonCancer	1.56E-04	5.30E-07	9.82E-05	0.00E+00	0.00E+00	9.82E-05	5.30E-07	0.00E+00	5.30E-07	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	1.56E-04
7937	ALL	488184.6	3616981	NonCancer	1.78E-04	6.07E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.07E-07	0.00E+00	6.07E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.78E-04
7938	ALL	488163.6	3616970	NonCancer	2.02E-04	6.86E-07	1.27E-04	0.00E+00	0.00E+00	1.27E-04	6.86E-07	0.00E+00	6.86E-07	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	2.02E-04
7939	ALL	488142.6	3616958	NonCancer	2.25E-04	7.65E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.65E-07	0.00E+00	7.65E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.25E-04
7940	ALL	488121.6	3616947	NonCancer	2.48E-04	8.42E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.42E-07	0.00E+00	8.42E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
7941	ALL	488100.5	3616935	NonCancer	2.69E-04	9.14E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.14E-07	0.00E+00	9.14E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.69E-04
7942	ALL	488079.5	3616923	NonCancer	2.88E-04	9.78E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.78E-07	0.00E+00	9.78E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.88E-04
7943	ALL	488058.5	3616912	NonCancer	3.04E-04	1.03E-06	1.91E-04	0.00E+00	0.00E+00	1.91E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	3.04E-04
7944	ALL	488037.4	3616900	NonCancer	3.16E-04	1.07E-06	1.99E-04	0.00E+00	0.00E+00	1.99E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	3.16E-04
7945	ALL	488016.4	3616889	NonCancer	3.23E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.23E-04
7946	ALL	487995.4	3616877	NonCancer	3.27E-04	1.11E-06	2.06E-04	0.00E+00	0.00E+00	2.06E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	3.27E-04
7947	ALL	487974.3	3616866	NonCancer	3.25E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.25E-04
7948	ALL	487953.3	3616854	NonCancer	3.19E-04	1.08E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
7949	ALL	487932.3	3616843	NonCancer	3.08E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.08E-04
7950	ALL	487911.2	3616831	NonCancer	2.93E-04	9.97E-07	1.85E-04	0.00E+00	0.00E+00	1.85E-04	9.97E-07	0.00E+00	9.97E-07	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.93E-04
7951	ALL	487890.2	3616820	NonCancer	2.75E-04	9.35E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.35E-07	0.00E+00	9.35E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.75E-04
7952	ALL	487869.2	3616808	NonCancer	2.54E-04	8.64E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.64E-07	0.00E+00	8.64E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.54E-04
7953	ALL	487848.1	3616797	NonCancer	2.32E-04	7.88E-07	1.46E-04	0.00E+00	0.00E+00	1.46E-04	7.88E-07	0.00E+00	7.88E-07	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	2.32E-04
7954	ALL	487827.1	3616785	NonCancer	2.08E-04	7.08E-07	1.31E-04	0.00E+00	0.00E+00	1.31E-04	7.08E-07	0.00E+00	7.08E-07	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	2.08E-04
7955	ALL	487806.1	3616774	NonCancer	1.85E-04	6.28E-07	1.16E-04	0.00E+00	0.00E+00	1.16E-04	6.28E-07	0.00E+00	6.28E-07	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.85E-04

7956	ALL	487785	3616762	NonCancer	1.62E-04	5.49E-07	1.02E-04	0.00E+00	0.00E+00	1.02E-04	5.49E-07	0.00E+00	5.49E-07	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	1.62E-04
7957	ALL	487764	3616751	NonCancer	1.40E-04	4.75E-07	8.80E-05	0.00E+00	0.00E+00	8.80E-05	4.75E-07	0.00E+00	4.75E-07	0.00E+00	0.00E+00	8.80E-05	0.00E+00	0.00E+00	1.40E-04
7958	ALL	487743	3616739	NonCancer	1.20E-04	4.07E-07	7.53E-05	0.00E+00	0.00E+00	7.53E-05	4.07E-07	0.00E+00	4.07E-07	0.00E+00	0.00E+00	7.53E-05	0.00E+00	0.00E+00	1.20E-04
7959	ALL	487721.9	3616728	NonCancer	1.01E-04	3.45E-07	6.39E-05	0.00E+00	0.00E+00	6.39E-05	3.45E-07	0.00E+00	3.45E-07	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	1.01E-04
7960	ALL	487700.9	3616716	NonCancer	8.54E-05	2.90E-07	5.38E-05	0.00E+00	0.00E+00	5.38E-05	2.90E-07	0.00E+00	2.90E-07	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	8.54E-05
7961	ALL	487679.9	3616705	NonCancer	7.15E-05	2.43E-07	4.50E-05	0.00E+00	0.00E+00	4.50E-05	2.43E-07	0.00E+00	2.43E-07	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	7.15E-05
7962	ALL	487658.9	3616693	NonCancer	5.98E-05	2.03E-07	3.76E-05	0.00E+00	0.00E+00	3.76E-05	2.03E-07	0.00E+00	2.03E-07	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	5.98E-05
7963	ALL	487637.8	3616682	NonCancer	5.50E-05	1.87E-07	3.46E-05	0.00E+00	0.00E+00	3.46E-05	1.87E-07	0.00E+00	1.87E-07	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	5.50E-05
7964	ALL	487616.8	3616670	NonCancer	5.43E-05	1.85E-07	3.42E-05	0.00E+00	0.00E+00	3.42E-05	1.85E-07	0.00E+00	1.85E-07	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	5.43E-05
7965	ALL	487595.8	3616659	NonCancer	5.41E-05	1.84E-07	3.41E-05	0.00E+00	0.00E+00	3.41E-05	1.84E-07	0.00E+00	1.84E-07	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	5.41E-05
7966	ALL	487574.7	3616647	NonCancer	5.40E-05	1.84E-07	3.40E-05	0.00E+00	0.00E+00	3.40E-05	1.84E-07	0.00E+00	1.84E-07	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	5.40E-05
7967	ALL	487553.7	3616636	NonCancer	5.46E-05	1.86E-07	3.44E-05	0.00E+00	0.00E+00	3.44E-05	1.86E-07	0.00E+00	1.86E-07	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	5.46E-05
7968	ALL	487532.7	3616624	NonCancer	5.56E-05	1.89E-07	3.50E-05	0.00E+00	0.00E+00	3.50E-05	1.89E-07	0.00E+00	1.89E-07	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	5.56E-05
7969	ALL	487511.6	3616613	NonCancer	5.60E-05	1.90E-07	3.52E-05	0.00E+00	0.00E+00	3.52E-05	1.90E-07	0.00E+00	1.90E-07	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	5.60E-05
7970	ALL	487490.6	3616601	NonCancer	5.56E-05	1.89E-07	3.50E-05	0.00E+00	0.00E+00	3.50E-05	1.89E-07	0.00E+00	1.89E-07	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	5.56E-05
7971	ALL	487469.6	3616590	NonCancer	5.57E-05	1.89E-07	3.51E-05	0.00E+00	0.00E+00	3.51E-05	1.89E-07	0.00E+00	1.89E-07	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00	5.57E-05
7972	ALL	487448.5	3616578	NonCancer	5.56E-05	1.89E-07	3.50E-05	0.00E+00	0.00E+00	3.50E-05	1.89E-07	0.00E+00	1.89E-07	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	5.56E-05
7973	ALL	487427.5	3616566	NonCancer	5.52E-05	1.88E-07	3.48E-05	0.00E+00	0.00E+00	3.48E-05	1.88E-07	0.00E+00	1.88E-07	0.00E+00	0.00E+00	3.48E-05	0.00E+00	0.00E+00	5.52E-05
7974	ALL	487406.5	3616555	NonCancer	5.46E-05	1.86E-07	3.44E-05	0.00E+00	0.00E+00	3.44E-05	1.86E-07	0.00E+00	1.86E-07	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	5.46E-05
7975	ALL	487385.4	3616543	NonCancer	5.36E-05	1.82E-07	3.38E-05	0.00E+00	0.00E+00	3.38E-05	1.82E-07	0.00E+00	1.82E-07	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	5.36E-05
7976	ALL	487364.4	3616532	NonCancer	5.31E-05	1.81E-07	3.34E-05	0.00E+00	0.00E+00	3.34E-05	1.81E-07	0.00E+00	1.81E-07	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	5.31E-05
7977	ALL	487343.4	3616520	NonCancer	5.30E-05	1.80E-07	3.34E-05	0.00E+00	0.00E+00	3.34E-05	1.80E-07	0.00E+00	1.80E-07	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	5.30E-05
7978	ALL	487322.3	3616509	NonCancer	5.29E-05	1.80E-07	3.33E-05	0.00E+00	0.00E+00	3.33E-05	1.80E-07	0.00E+00	1.80E-07	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	5.29E-05
7979	ALL	487301.3	3616497	NonCancer	5.28E-05	1.79E-07	3.32E-05	0.00E+00	0.00E+00	3.32E-05	1.79E-07	0.00E+00	1.79E-07	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	5.28E-05
7980	ALL	487280.3	3616486	NonCancer	6.01E-05	2.04E-07	3.78E-05	0.00E+00	0.00E+00	3.78E-05	2.04E-07	0.00E+00	2.04E-07	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	6.01E-05
7981	ALL	487259.2	3616474	NonCancer	6.79E-05	2.31E-07	4.27E-05	0.00E+00	0.00E+00	4.27E-05	2.31E-07	0.00E+00	2.31E-07	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	6.79E-05
7982	ALL	487238.2	3616463	NonCancer	7.59E-05	2.58E-07	4.78E-05	0.00E+00	0.00E+00	4.78E-05	2.58E-07	0.00E+00	2.58E-07	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00	7.59E-05
7983	ALL	487217.2	3616451	NonCancer	8.40E-05	2.86E-07	5.29E-05	0.00E+00	0.00E+00	5.29E-05	2.86E-07	0.00E+00	2.86E-07	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	8.40E-05
7984	ALL	487196.2	3616440	NonCancer	9.21E-05	3.13E-07	5.80E-05	0.00E+00	0.00E+00	5.80E-05	3.13E-07	0.00E+00	3.13E-07	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	9.21E-05
7985	ALL	487175.1	3616428	NonCancer	1.00E-04	3.40E-07	6.29E-05	0.00E+00	0.00E+00	6.29E-05	3.40E-07	0.00E+00	3.40E-07	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00	1.00E-04
7986	ALL	487154.1	3616417	NonCancer	1.07E-04	3.65E-07	6.76E-05	0.00E+00	0.00E+00	6.76E-05	3.65E-07	0.00E+00	3.65E-07	0.00E+00	0.00E+00	6.76E-05	0.00E+00	0.00E+00	1.07E-04
7987	ALL	487133.1	3616405	NonCancer	1.14E-04	3.89E-07	7.20E-05	0.00E+00	0.00E+00	7.20E-05	3.89E-07	0.00E+00	3.89E-07	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	1.14E-04
7988	ALL	487112	3616394	NonCancer	1.21E-04	4.10E-07	7.59E-05	0.00E+00	0.00E+00	7.59E-05	4.10E-07	0.00E+00	4.10E-07	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	1.21E-04
7989	ALL	487091	3616382	NonCancer	1.26E-04	4.28E-07	7.92E-05	0.00E+00	0.00E+00	7.92E-05	4.28E-07	0.00E+00	4.28E-07	0.00E+00	0.00E+00	7.92E-05	0.00E+00	0.00E+00	1.26E-04
7990	ALL	487070	3616371	NonCancer	1.30E-04	4.42E-07	8.19E-05	0.00E+00	0.00E+00	8.19E-05	4.42E-07	0.00E+00	4.42E-07	0.00E+00	0.00E+00	8.19E-05	0.00E+00	0.00E+00	1.30E-04
7991	ALL	487048.9	3616359	NonCancer	1.33E-04	4.53E-07	8.39E-05	0.00E+00	0.00E+00	8.39E-05	4.53E-07	0.00E+00	4.53E-07	0.00E+00	0.00E+00	8.39E-05	0.00E+00	0.00E+00	1.33E-04
7992	ALL	487027.9	3616348	NonCancer	1.35E-04	4.60E-07	8.51E-05	0.00E+00	0.00E+00	8.51E-05	4.60E-07	0.00E+00	4.60E-07	0.00E+00	0.00E+00	8.51E-05	0.00E+00	0.00E+00	1.35E-04
7993	ALL	487006.9	3616336	NonCancer	1.36E-04	4.62E-07	8.56E-05	0.00E+00	0.00E+00	8.56E-05	4.62E-07	0.00E+00	4.62E-07	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	1.36E-04
7994	ALL	486985.8	3616325	NonCancer	1.35E-04	4.60E-07	8.52E-05	0.00E+00	0.00E+00	8.52E-05	4.60E-07	0.00E+00	4.60E-07	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00	1.35E-04
7995	ALL	486964.8	3616313	NonCancer	1.34E-04	4.54E-07	8.41E-05	0.00E+00	0.00E+00	8.41E-05	4.54E-07	0.00E+00	4.54E-07	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	1.34E-04
7996	ALL	486943.8	3616302	NonCancer	1.31E-04	4.44E-07	8.23E-05	0.00E+00	0.00E+00	8.23E-05	4.44E-07	0.00E+00	4.44E-07	0.00E+00	0.00E+00	8.23E-05	0.00E+00	0.00E+00	1.31E-04
7997	ALL	486922.7	3616290	NonCancer	1.27E-04	4.31E-07	7.98E-05	0.00E+00	0.00E+00	7.98E-05	4.31E-07	0.00E+00	4.31E-07	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	1.27E-04
7998	ALL	486901.7	3616279	NonCancer	1.22E-04	4.14E-07	7.66E-05	0.00E+00	0.00E+00	7.66E-05	4.14E-07	0.00E+00	4.14E-07	0.00E+00	0.00E+00	7.66E-05	0.00E+00	0.00E+00	1.22E-04
7999	ALL	486880.7	3616267	NonCancer	1.16E-04	3.94E-07	7.30E-05	0.00E+00	0.00E+00	7.30E-05	3.94E-07	0.00E+00	3.94E-07	0.00E+00	0.00E+00	7.30E-05	0.00E+00	0.00E+00	1.16E-04
8000	ALL	486859.6	3616256	NonCancer	1.10E-04	3.72E-07	6.90E-05	0.00E+00	0.00E+00	6.90E-05	3.72E-07	0.00E+00	3.72E-07	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00	1.10E-04
8001	ALL	486838.6	3616244	NonCancer	1.03E-04	3.49E-07	6.46E-05	0.00E+00	0.00E+00	6.46E-05	3.49E-07	0.00E+00	3.49E-07	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	1.03E-04
8002	ALL	486817.6	3616233	NonCancer	9.52E-05	3.24E-07	6.00E-05	0.00E+00	0.00E+00	6.00E-05	3.24E-07	0.00E+00	3.24E-07	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	9.52E-05
8003	ALL	486796.5	3616221	NonCancer	8.77E-05	2.98E-07	5.52E-05	0.00E+00	0.00E+00	5.52E-05	2.98E-07	0.00E+00	2.98E-07	0.00E+00	0.00E+00	5.52E-05	0.00E+00	0.00E+00	8.77E-05
8004	ALL	486775.5	3616209	NonCancer	8.65E-05	2.94E-07	5.45E-05	0.00E+00	0.00E+00	5.45E-05	2.94E-07	0.00E+00	2.94E-07	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00	8.65E-05
8005	ALL	486754.5	3616198	NonCancer	9.00E-05	3.06E-07	5.67E-05	0.00E+00	0.00E+00	5.67E-05	3.06E-07	0.00E+00	3.06E-07	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	9.00E-05
8006	ALL	486733.5	3616186	NonCancer	9.33E-05	3.17E-07	5.87E-05	0.00E+00	0.00E+00	5.87E-05	3.17E-07	0.00E+00	3.17E-07	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	9.33E-05
8007	ALL	486705.7	3616152	NonCancer	9.76E-05	3.32E-07	6.15E-05	0.00E+00	0.00E+00	6.15E-05	3.32E-07	0.00E+00	3.32E-07	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	9.76E-05

8008	ALL	486699.1	3616129	NonCancer	9.90E-05	3.36E-07	6.23E-05	0.00E+00	0.00E+00	6.23E-05	3.36E-07	0.00E+00	3.36E-07	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	9.90E-05
8009	ALL	486692.4	3616106	NonCancer	9.95E-05	3.38E-07	6.27E-05	0.00E+00	0.00E+00	6.27E-05	3.38E-07	0.00E+00	3.38E-07	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00	9.95E-05
8010	ALL	486685.7	3616083	NonCancer	9.93E-05	3.38E-07	6.25E-05	0.00E+00	0.00E+00	6.25E-05	3.38E-07	0.00E+00	3.38E-07	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	9.93E-05
8011	ALL	486679	3616060	NonCancer	9.83E-05	3.34E-07	6.19E-05	0.00E+00	0.00E+00	6.19E-05	3.34E-07	0.00E+00	3.34E-07	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	9.83E-05
8012	ALL	486672.3	3616037	NonCancer	9.65E-05	3.28E-07	6.08E-05	0.00E+00	0.00E+00	6.08E-05	3.28E-07	0.00E+00	3.28E-07	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	9.65E-05
8013	ALL	486665.7	3616014	NonCancer	9.40E-05	3.20E-07	5.92E-05	0.00E+00	0.00E+00	5.92E-05	3.20E-07	0.00E+00	3.20E-07	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00	9.40E-05
8014	ALL	486659	3615991	NonCancer	9.09E-05	3.09E-07	5.72E-05	0.00E+00	0.00E+00	5.72E-05	3.09E-07	0.00E+00	3.09E-07	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00	9.09E-05
8015	ALL	486652.3	3615968	NonCancer	9.28E-05	3.15E-07	5.84E-05	0.00E+00	0.00E+00	5.84E-05	3.15E-07	0.00E+00	3.15E-07	0.00E+00	0.00E+00	5.84E-05	0.00E+00	0.00E+00	9.28E-05
8016	ALL	486645.6	3615945	NonCancer	9.73E-05	3.31E-07	6.13E-05	0.00E+00	0.00E+00	6.13E-05	3.31E-07	0.00E+00	3.31E-07	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	9.73E-05
8017	ALL	486638.9	3615922	NonCancer	1.01E-04	3.44E-07	6.37E-05	0.00E+00	0.00E+00	6.37E-05	3.44E-07	0.00E+00	3.44E-07	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00	1.01E-04
8018	ALL	486632.3	3615899	NonCancer	1.04E-04	3.55E-07	6.58E-05	0.00E+00	0.00E+00	6.58E-05	3.55E-07	0.00E+00	3.55E-07	0.00E+00	0.00E+00	6.58E-05	0.00E+00	0.00E+00	1.04E-04
8019	ALL	486625.6	3615876	NonCancer	1.11E-04	3.77E-07	6.99E-05	0.00E+00	0.00E+00	6.99E-05	3.77E-07	0.00E+00	3.77E-07	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	1.11E-04
8020	ALL	486618.9	3615853	NonCancer	1.20E-04	4.09E-07	7.57E-05	0.00E+00	0.00E+00	7.57E-05	4.09E-07	0.00E+00	4.09E-07	0.00E+00	0.00E+00	7.57E-05	0.00E+00	0.00E+00	1.20E-04
8021	ALL	486612.2	3615829	NonCancer	1.29E-04	4.38E-07	8.12E-05	0.00E+00	0.00E+00	8.12E-05	4.38E-07	0.00E+00	4.38E-07	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	1.29E-04
8022	ALL	486605.5	3615806	NonCancer	1.37E-04	4.65E-07	8.62E-05	0.00E+00	0.00E+00	8.62E-05	4.65E-07	0.00E+00	4.65E-07	0.00E+00	0.00E+00	8.62E-05	0.00E+00	0.00E+00	1.37E-04
8023	ALL	486598.9	3615783	NonCancer	1.44E-04	4.89E-07	9.06E-05	0.00E+00	0.00E+00	9.06E-05	4.89E-07	0.00E+00	4.89E-07	0.00E+00	0.00E+00	9.06E-05	0.00E+00	0.00E+00	1.44E-04
8024	ALL	486592.2	3615760	NonCancer	1.50E-04	5.10E-07	9.44E-05	0.00E+00	0.00E+00	9.44E-05	5.10E-07	0.00E+00	5.10E-07	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	1.50E-04
8025	ALL	486585.5	3615737	NonCancer	1.55E-04	5.26E-07	9.73E-05	0.00E+00	0.00E+00	9.73E-05	5.26E-07	0.00E+00	5.26E-07	0.00E+00	0.00E+00	9.73E-05	0.00E+00	0.00E+00	1.55E-04
8026	ALL	486578.8	3615714	NonCancer	1.58E-04	5.37E-07	9.94E-05	0.00E+00	0.00E+00	9.94E-05	5.37E-07	0.00E+00	5.37E-07	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00	1.58E-04
8027	ALL	486572.1	3615691	NonCancer	1.63E-04	5.54E-07	1.03E-04	0.00E+00	0.00E+00	1.03E-04	5.54E-07	0.00E+00	5.54E-07	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	1.63E-04
8028	ALL	486565.5	3615668	NonCancer	1.71E-04	5.83E-07	1.08E-04	0.00E+00	0.00E+00	1.08E-04	5.83E-07	0.00E+00	5.83E-07	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	1.71E-04
8029	ALL	486558.8	3615645	NonCancer	1.79E-04	6.07E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.07E-07	0.00E+00	6.07E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.79E-04
8030	ALL	486552.1	3615622	NonCancer	1.84E-04	6.25E-07	1.16E-04	0.00E+00	0.00E+00	1.16E-04	6.25E-07	0.00E+00	6.25E-07	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.84E-04
8031	ALL	486545.4	3615599	NonCancer	1.87E-04	6.36E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.36E-07	0.00E+00	6.36E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.87E-04
8032	ALL	486538.7	3615576	NonCancer	1.88E-04	6.39E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.39E-07	0.00E+00	6.39E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.88E-04
8033	ALL	486532.1	3615553	NonCancer	1.87E-04	6.35E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.35E-07	0.00E+00	6.35E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.87E-04
8034	ALL	486525.4	3615530	NonCancer	1.84E-04	6.24E-07	1.16E-04	0.00E+00	0.00E+00	1.16E-04	6.24E-07	0.00E+00	6.24E-07	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.84E-04
8035	ALL	486518.7	3615507	NonCancer	1.78E-04	6.06E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.06E-07	0.00E+00	6.06E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.78E-04
8036	ALL	486512	3615484	NonCancer	1.80E-04	6.13E-07	1.14E-04	0.00E+00	0.00E+00	1.14E-04	6.13E-07	0.00E+00	6.13E-07	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	1.80E-04
8037	ALL	486505.3	3615461	NonCancer	2.03E-04	6.90E-07	1.28E-04	0.00E+00	0.00E+00	1.28E-04	6.90E-07	0.00E+00	6.90E-07	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	2.03E-04
8038	ALL	486498.7	3615438	NonCancer	2.25E-04	7.66E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.66E-07	0.00E+00	7.66E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.25E-04
8039	ALL	486492	3615415	NonCancer	2.47E-04	8.38E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.38E-07	0.00E+00	8.38E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.47E-04
8040	ALL	486485.3	3615392	NonCancer	2.66E-04	9.05E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.05E-07	0.00E+00	9.05E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.66E-04
8041	ALL	486478.6	3615369	NonCancer	2.83E-04	9.63E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.63E-07	0.00E+00	9.63E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.83E-04
8042	ALL	486472	3615346	NonCancer	2.97E-04	1.01E-06	1.87E-04	0.00E+00	0.00E+00	1.87E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	2.97E-04
8043	ALL	486465.3	3615323	NonCancer	3.07E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.07E-04
8044	ALL	486458.6	3615300	NonCancer	3.13E-04	1.06E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.13E-04
8045	ALL	486451.9	3615277	NonCancer	3.14E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.14E-04
8046	ALL	486445.2	3615254	NonCancer	3.11E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.11E-04
8047	ALL	486438.6	3615231	NonCancer	3.03E-04	1.03E-06	1.91E-04	0.00E+00	0.00E+00	1.91E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	3.03E-04
8048	ALL	486431.9	3615208	NonCancer	2.91E-04	9.89E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.89E-07	0.00E+00	9.89E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.91E-04
8049	ALL	486425.2	3615185	NonCancer	2.75E-04	9.35E-07	1.73E-04	0.00E+00	0.00E+00	1.73E-04	9.35E-07	0.00E+00	9.35E-07	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	2.75E-04
8050	ALL	486418.5	3615162	NonCancer	2.56E-04	8.72E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.72E-07	0.00E+00	8.72E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.56E-04
8051	ALL	486411.8	3615139	NonCancer	2.36E-04	8.01E-07	1.48E-04	0.00E+00	0.00E+00	1.48E-04	8.01E-07	0.00E+00	8.01E-07	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	2.36E-04
8052	ALL	486405.2	3615116	NonCancer	2.54E-04	8.64E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.64E-07	0.00E+00	8.64E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.54E-04
8053	ALL	486398.5	3615093	NonCancer	2.73E-04	9.28E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.28E-07	0.00E+00	9.28E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.73E-04
8054	ALL	486391.8	3615070	NonCancer	2.89E-04	9.82E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.82E-07	0.00E+00	9.82E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.89E-04
8055	ALL	486385.1	3615046	NonCancer	3.01E-04	1.02E-06	1.90E-04	0.00E+00	0.00E+00	1.90E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	3.01E-04
8056	ALL	486378.4	3615023	NonCancer	3.10E-04	1.05E-06	1.95E-04	0.00E+00	0.00E+00	1.95E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	3.10E-04
8057	ALL	486371.8	3615000	NonCancer	3.13E-04	1.07E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.13E-04
8058	ALL	486365.1	3614977	NonCancer	3.13E-04	1.06E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.13E-04
8059	ALL	486358.4	3614954	NonCancer	3.07E-04	1.04E-06	1.93E-04	0.00E+00	0.00E+00	1.93E-04	1.04E-06	0.00E+00	1.04E-06	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	3.07E-04

8060	ALL	486351.7	3614931	NonCancer	2.98E-04	1.01E-06	1.87E-04	0.00E+00	0.00E+00	1.87E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	2.98E-04
8061	ALL	486345	3614908	NonCancer	2.84E-04	9.66E-07	1.79E-04	0.00E+00	0.00E+00	1.79E-04	9.66E-07	0.00E+00	9.66E-07	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	2.84E-04
8062	ALL	486338.4	3614885	NonCancer	2.67E-04	9.09E-07	1.68E-04	0.00E+00	0.00E+00	1.68E-04	9.09E-07	0.00E+00	9.09E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	2.67E-04
8063	ALL	486331.7	3614862	NonCancer	2.48E-04	8.42E-07	1.56E-04	0.00E+00	0.00E+00	1.56E-04	8.42E-07	0.00E+00	8.42E-07	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.48E-04
8064	ALL	486325	3614839	NonCancer	2.30E-04	7.83E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.83E-07	0.00E+00	7.83E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
8065	ALL	486318.3	3614816	NonCancer	2.14E-04	7.28E-07	1.35E-04	0.00E+00	0.00E+00	1.35E-04	7.28E-07	0.00E+00	7.28E-07	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	2.14E-04
8066	ALL	486311.6	3614793	NonCancer	1.96E-04	6.67E-07	1.24E-04	0.00E+00	0.00E+00	1.24E-04	6.67E-07	0.00E+00	6.67E-07	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	1.96E-04
8067	ALL	486305	3614770	NonCancer	1.81E-04	6.14E-07	1.14E-04	0.00E+00	0.00E+00	1.14E-04	6.14E-07	0.00E+00	6.14E-07	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	1.81E-04
8068	ALL	486298.3	3614747	NonCancer	1.81E-04	6.16E-07	1.14E-04	0.00E+00	0.00E+00	1.14E-04	6.16E-07	0.00E+00	6.16E-07	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	1.81E-04
8069	ALL	486291.6	3614724	NonCancer	1.82E-04	6.20E-07	1.15E-04	0.00E+00	0.00E+00	1.15E-04	6.20E-07	0.00E+00	6.20E-07	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	1.82E-04
8070	ALL	486284.9	3614701	NonCancer	1.84E-04	6.24E-07	1.16E-04	0.00E+00	0.00E+00	1.16E-04	6.24E-07	0.00E+00	6.24E-07	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.84E-04
8071	ALL	486278.2	3614678	NonCancer	1.89E-04	6.41E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.41E-07	0.00E+00	6.41E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.89E-04
8072	ALL	486271.6	3614655	NonCancer	2.08E-04	7.08E-07	1.31E-04	0.00E+00	0.00E+00	1.31E-04	7.08E-07	0.00E+00	7.08E-07	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	2.08E-04
8073	ALL	486264.9	3614632	NonCancer	2.27E-04	7.71E-07	1.43E-04	0.00E+00	0.00E+00	1.43E-04	7.71E-07	0.00E+00	7.71E-07	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	2.27E-04
8074	ALL	486258.2	3614609	NonCancer	2.43E-04	8.28E-07	1.53E-04	0.00E+00	0.00E+00	1.53E-04	8.28E-07	0.00E+00	8.28E-07	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	2.43E-04
8075	ALL	486251.5	3614586	NonCancer	2.62E-04	8.91E-07	1.65E-04	0.00E+00	0.00E+00	1.65E-04	8.91E-07	0.00E+00	8.91E-07	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	2.62E-04
8076	ALL	486244.8	3614563	NonCancer	2.83E-04	9.61E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.61E-07	0.00E+00	9.61E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.83E-04
8077	ALL	486238.2	3614540	NonCancer	3.01E-04	1.02E-06	1.89E-04	0.00E+00	0.00E+00	1.89E-04	1.02E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	3.01E-04
8078	ALL	486231.5	3614517	NonCancer	3.15E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.15E-04
8079	ALL	486224.8	3614494	NonCancer	3.26E-04	1.11E-06	2.05E-04	0.00E+00	0.00E+00	2.05E-04	1.11E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	3.26E-04
8080	ALL	486218.1	3614471	NonCancer	3.31E-04	1.13E-06	2.09E-04	0.00E+00	0.00E+00	2.09E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.31E-04
8081	ALL	486211.4	3614448	NonCancer	3.33E-04	1.13E-06	2.09E-04	0.00E+00	0.00E+00	2.09E-04	1.13E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	3.33E-04
8082	ALL	486204.8	3614425	NonCancer	3.29E-04	1.12E-06	2.07E-04	0.00E+00	0.00E+00	2.07E-04	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	3.29E-04
8083	ALL	486198.1	3614402	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
8084	ALL	486191.4	3614379	NonCancer	3.09E-04	1.05E-06	1.94E-04	0.00E+00	0.00E+00	1.94E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	3.09E-04
8085	ALL	486184.7	3614356	NonCancer	2.94E-04	9.99E-07	1.85E-04	0.00E+00	0.00E+00	1.85E-04	9.99E-07	0.00E+00	9.99E-07	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.94E-04
8086	ALL	486178	3614333	NonCancer	2.92E-04	9.94E-07	1.84E-04	0.00E+00	0.00E+00	1.84E-04	9.94E-07	0.00E+00	9.94E-07	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	2.92E-04
8087	ALL	486171.4	3614310	NonCancer	2.87E-04	9.76E-07	1.81E-04	0.00E+00	0.00E+00	1.81E-04	9.76E-07	0.00E+00	9.76E-07	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	2.87E-04
8088	ALL	486164.7	3614287	NonCancer	3.20E-04	1.09E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.20E-04
8089	ALL	486158	3614263	NonCancer	3.54E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.54E-04
8090	ALL	486151.3	3614240	NonCancer	3.84E-04	1.31E-06	2.42E-04	0.00E+00	0.00E+00	2.42E-04	1.31E-06	0.00E+00	1.31E-06	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	3.84E-04
8091	ALL	486144.6	3614217	NonCancer	4.10E-04	1.39E-06	2.58E-04	0.00E+00	0.00E+00	2.58E-04	1.39E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.10E-04
8092	ALL	486138	3614194	NonCancer	4.30E-04	1.46E-06	2.71E-04	0.00E+00	0.00E+00	2.71E-04	1.46E-06	0.00E+00	1.46E-06	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	4.30E-04
8093	ALL	486131.3	3614171	NonCancer	4.43E-04	1.51E-06	2.79E-04	0.00E+00	0.00E+00	2.79E-04	1.51E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	4.43E-04
8094	ALL	486124.6	3614148	NonCancer	4.49E-04	1.53E-06	2.83E-04	0.00E+00	0.00E+00	2.83E-04	1.53E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	4.49E-04
8095	ALL	486117.9	3614125	NonCancer	4.48E-04	1.52E-06	2.82E-04	0.00E+00	0.00E+00	2.82E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	4.48E-04
8096	ALL	486111.2	3614102	NonCancer	4.39E-04	1.49E-06	2.76E-04	0.00E+00	0.00E+00	2.76E-04	1.49E-06	0.00E+00	1.49E-06	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	4.39E-04
8097	ALL	486104.6	3614079	NonCancer	4.23E-04	1.44E-06	2.66E-04	0.00E+00	0.00E+00	2.66E-04	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	4.23E-04
8098	ALL	486097.9	3614056	NonCancer	4.01E-04	1.36E-06	2.53E-04	0.00E+00	0.00E+00	2.53E-04	1.36E-06	0.00E+00	1.36E-06	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	4.01E-04
8099	ALL	486091.2	3614033	NonCancer	3.75E-04	1.27E-06	2.36E-04	0.00E+00	0.00E+00	2.36E-04	1.27E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	3.75E-04
8100	ALL	486084.5	3614010	NonCancer	3.44E-04	1.17E-06	2.17E-04	0.00E+00	0.00E+00	2.17E-04	1.17E-06	0.00E+00	1.17E-06	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.44E-04
8101	ALL	486077.8	3613987	NonCancer	3.11E-04	1.06E-06	1.96E-04	0.00E+00	0.00E+00	1.96E-04	1.06E-06	0.00E+00	1.06E-06	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	3.11E-04
8102	ALL	488731.5	3617281	NonCancer	4.14E-04	1.41E-06	2.61E-04	0.00E+00	0.00E+00	2.61E-04	1.41E-06	0.00E+00	1.41E-06	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	4.14E-04
8103	ALL	488755.5	3617283	NonCancer	3.38E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.38E-04
8104	ALL	488779.6	3617286	NonCancer	3.40E-04	1.16E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.16E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.40E-04
8105	ALL	488803.6	3617288	NonCancer	3.91E-04	1.33E-06	2.46E-04	0.00E+00	0.00E+00	2.46E-04	1.33E-06	0.00E+00	1.33E-06	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	3.91E-04
8106	ALL	488667.5	3617667	NonCancer	4.31E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.31E-04
8107	ALL	488646.3	3617655	NonCancer	3.66E-04	1.24E-06	2.30E-04	0.00E+00	0.00E+00	2.30E-04	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	3.66E-04
8108	ALL	488625.1	3617643	NonCancer	2.25E-04	7.66E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.66E-07	0.00E+00	7.66E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.25E-04
8109	ALL	488603.9	3617632	NonCancer	1.47E-04	5.01E-07	9.28E-05	0.00E+00	0.00E+00	9.28E-05	5.01E-07	0.00E+00	5.01E-07	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	1.47E-04
8110	ALL	488582.7	3617620	NonCancer	1.43E-04	4.85E-07	8.98E-05	0.00E+00	0.00E+00	8.98E-05	4.85E-07	0.00E+00	4.85E-07	0.00E+00	0.00E+00	8.98E-05	0.00E+00	0.00E+00	1.43E-04
8111	ALL	488561.5	3617609	NonCancer	1.37E-04	4.65E-07	8.62E-05	0.00E+00	0.00E+00	8.62E-05	4.65E-07	0.00E+00	4.65E-07	0.00E+00	0.00E+00	8.62E-05	0.00E+00	0.00E+00	1.37E-04

8112	ALL	488540.4	3617597	NonCancer	1.30E-04	4.43E-07	8.19E-05	0.00E+00	0.00E+00	8.19E-05	4.43E-07	0.00E+00	4.43E-07	0.00E+00	0.00E+00	8.19E-05	0.00E+00	0.00E+00	1.30E-04
8113	ALL	488519.2	3617585	NonCancer	1.23E-04	4.17E-07	7.73E-05	0.00E+00	0.00E+00	7.73E-05	4.17E-07	0.00E+00	4.17E-07	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	1.23E-04
8114	ALL	488498	3617574	NonCancer	1.15E-04	3.90E-07	7.22E-05	0.00E+00	0.00E+00	7.22E-05	3.90E-07	0.00E+00	3.90E-07	0.00E+00	0.00E+00	7.22E-05	0.00E+00	0.00E+00	1.15E-04
8115	ALL	488476.8	3617562	NonCancer	1.06E-04	3.61E-07	6.69E-05	0.00E+00	0.00E+00	6.69E-05	3.61E-07	0.00E+00	3.61E-07	0.00E+00	0.00E+00	6.69E-05	0.00E+00	0.00E+00	1.06E-04
8116	ALL	488455.6	3617551	NonCancer	9.76E-05	3.32E-07	6.15E-05	0.00E+00	0.00E+00	6.15E-05	3.32E-07	0.00E+00	3.32E-07	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	9.76E-05
8117	ALL	488434.4	3617539	NonCancer	8.89E-05	3.02E-07	5.60E-05	0.00E+00	0.00E+00	5.60E-05	3.02E-07	0.00E+00	3.02E-07	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	8.89E-05
8118	ALL	488413.2	3617527	NonCancer	8.44E-05	2.87E-07	5.31E-05	0.00E+00	0.00E+00	5.31E-05	2.87E-07	0.00E+00	2.87E-07	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00	8.44E-05
8119	ALL	488392	3617516	NonCancer	8.51E-05	2.89E-07	5.36E-05	0.00E+00	0.00E+00	5.36E-05	2.89E-07	0.00E+00	2.89E-07	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	8.51E-05
8120	ALL	488370.9	3617504	NonCancer	8.88E-04	3.02E-06	5.59E-04	0.00E+00	0.00E+00	5.59E-04	3.02E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	8.88E-04
8121	ALL	488349.7	3617493	NonCancer	9.31E-04	3.17E-06	5.86E-04	0.00E+00	0.00E+00	5.86E-04	3.17E-06	0.00E+00	3.17E-06	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	9.31E-04
8122	ALL	488328.5	3617481	NonCancer	9.16E-04	3.12E-06	5.77E-04	0.00E+00	0.00E+00	5.77E-04	3.12E-06	0.00E+00	3.12E-06	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	9.16E-04
8123	ALL	488307.3	3617469	NonCancer	8.78E-04	2.99E-06	5.53E-04	0.00E+00	0.00E+00	5.53E-04	2.99E-06	0.00E+00	2.99E-06	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	8.78E-04
8124	ALL	488286.1	3617458	NonCancer	8.16E-04	2.77E-06	5.14E-04	0.00E+00	0.00E+00	5.14E-04	2.77E-06	0.00E+00	2.77E-06	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	8.16E-04
8125	ALL	488264.9	3617446	NonCancer	6.79E-04	2.31E-06	4.28E-04	0.00E+00	0.00E+00	4.28E-04	2.31E-06	0.00E+00	2.31E-06	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	6.79E-04
8126	ALL	488243.7	3617435	NonCancer	5.25E-04	1.79E-06	3.31E-04	0.00E+00	0.00E+00	3.31E-04	1.79E-06	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	5.25E-04
8127	ALL	488222.5	3617423	NonCancer	4.91E-04	1.67E-06	3.09E-04	0.00E+00	0.00E+00	3.09E-04	1.67E-06	0.00E+00	1.67E-06	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	4.91E-04
8128	ALL	488201.4	3617411	NonCancer	4.47E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.47E-04
8129	ALL	488180.2	3617400	NonCancer	5.54E-04	1.88E-06	3.49E-04	0.00E+00	0.00E+00	3.49E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	5.54E-04
8130	ALL	488159	3617388	NonCancer	7.27E-04	2.47E-06	4.58E-04	0.00E+00	0.00E+00	4.58E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	7.27E-04
8131	ALL	488137.8	3617377	NonCancer	7.78E-04	2.65E-06	4.90E-04	0.00E+00	0.00E+00	4.90E-04	2.65E-06	0.00E+00	2.65E-06	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	7.78E-04
8132	ALL	488116.6	3617365	NonCancer	7.19E-04	2.45E-06	4.53E-04	0.00E+00	0.00E+00	4.53E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	7.19E-04
8133	ALL	488095.4	3617353	NonCancer	6.76E-04	2.30E-06	4.25E-04	0.00E+00	0.00E+00	4.25E-04	2.30E-06	0.00E+00	2.30E-06	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	6.76E-04
8134	ALL	488074.2	3617342	NonCancer	6.65E-04	2.26E-06	4.18E-04	0.00E+00	0.00E+00	4.18E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	6.65E-04
8135	ALL	488053	3617330	NonCancer	6.39E-04	2.17E-06	4.02E-04	0.00E+00	0.00E+00	4.02E-04	2.17E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	6.39E-04
8136	ALL	488031.9	3617319	NonCancer	7.08E-04	2.41E-06	4.46E-04	0.00E+00	0.00E+00	4.46E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	7.08E-04
8137	ALL	488010.7	3617307	NonCancer	7.96E-04	2.71E-06	5.01E-04	0.00E+00	0.00E+00	5.01E-04	2.71E-06	0.00E+00	2.71E-06	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	7.96E-04
8138	ALL	487989.5	3617295	NonCancer	8.69E-04	2.95E-06	5.47E-04	0.00E+00	0.00E+00	5.47E-04	2.95E-06	0.00E+00	2.95E-06	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	8.69E-04
8139	ALL	487968.3	3617284	NonCancer	9.11E-04	3.10E-06	5.73E-04	0.00E+00	0.00E+00	5.73E-04	3.10E-06	0.00E+00	3.10E-06	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	9.11E-04
8140	ALL	487947.1	3617272	NonCancer	9.09E-04	3.09E-06	5.72E-04	0.00E+00	0.00E+00	5.72E-04	3.09E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	9.09E-04
8141	ALL	487925.9	3617261	NonCancer	8.81E-04	3.00E-06	5.55E-04	0.00E+00	0.00E+00	5.55E-04	3.00E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	8.81E-04
8142	ALL	487904.7	3617249	NonCancer	8.31E-04	2.83E-06	5.23E-04	0.00E+00	0.00E+00	5.23E-04	2.83E-06	0.00E+00	2.83E-06	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	8.31E-04
8143	ALL	487883.5	3617237	NonCancer	8.27E-04	2.81E-06	5.20E-04	0.00E+00	0.00E+00	5.20E-04	2.81E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	8.27E-04
8144	ALL	487862.3	3617226	NonCancer	8.48E-04	2.88E-06	5.34E-04	0.00E+00	0.00E+00	5.34E-04	2.88E-06	0.00E+00	2.88E-06	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	8.48E-04
8145	ALL	487841.2	3617214	NonCancer	8.28E-04	2.82E-06	5.21E-04	0.00E+00	0.00E+00	5.21E-04	2.82E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	8.28E-04
8146	ALL	487820	3617203	NonCancer	7.73E-04	2.63E-06	4.87E-04	0.00E+00	0.00E+00	4.87E-04	2.63E-06	0.00E+00	2.63E-06	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	7.73E-04
8147	ALL	487798.8	3617191	NonCancer	7.07E-04	2.41E-06	4.45E-04	0.00E+00	0.00E+00	4.45E-04	2.41E-06	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	7.07E-04
8148	ALL	487777.6	3617179	NonCancer	6.84E-04	2.33E-06	4.31E-04	0.00E+00	0.00E+00	4.31E-04	2.33E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	6.84E-04
8149	ALL	487756.4	3617168	NonCancer	7.20E-04	2.45E-06	4.53E-04	0.00E+00	0.00E+00	4.53E-04	2.45E-06	0.00E+00	2.45E-06	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	7.20E-04
8150	ALL	487735.2	3617156	NonCancer	5.87E-04	1.99E-06	3.69E-04	0.00E+00	0.00E+00	3.69E-04	1.99E-06	0.00E+00	1.99E-06	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	5.87E-04
8151	ALL	487714	3617145	NonCancer	3.81E-04	1.30E-06	2.40E-04	0.00E+00	0.00E+00	2.40E-04	1.30E-06	0.00E+00	1.30E-06	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	3.81E-04
8152	ALL	487692.8	3617133	NonCancer	2.00E-04	6.80E-07	1.26E-04	0.00E+00	0.00E+00	1.26E-04	6.80E-07	0.00E+00	6.80E-07	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	2.00E-04
8153	ALL	487671.7	3617121	NonCancer	1.82E-04	6.20E-07	1.15E-04	0.00E+00	0.00E+00	1.15E-04	6.20E-07	0.00E+00	6.20E-07	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	1.82E-04
8154	ALL	487650.5	3617110	NonCancer	1.64E-04	5.58E-07	1.03E-04	0.00E+00	0.00E+00	1.03E-04	5.58E-07	0.00E+00	5.58E-07	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	1.64E-04
8155	ALL	487629.3	3617098	NonCancer	1.46E-04	4.97E-07	9.20E-05	0.00E+00	0.00E+00	9.20E-05	4.97E-07	0.00E+00	4.97E-07	0.00E+00	0.00E+00	9.20E-05	0.00E+00	0.00E+00	1.46E-04
8156	ALL	487608.1	3617087	NonCancer	1.29E-04	4.38E-07	8.10E-05	0.00E+00	0.00E+00	8.10E-05	4.38E-07	0.00E+00	4.38E-07	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	1.29E-04
8157	ALL	487586.9	3617075	NonCancer	1.12E-04	3.82E-07	7.07E-05	0.00E+00	0.00E+00	7.07E-05	3.82E-07	0.00E+00	3.82E-07	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	1.12E-04
8158	ALL	487565.7	3617063	NonCancer	9.69E-05	3.30E-07	6.10E-05	0.00E+00	0.00E+00	6.10E-05	3.30E-07	0.00E+00	3.30E-07	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	9.69E-05
8159	ALL	487544.5	3617052	NonCancer	8.31E-05	2.82E-07	5.23E-05	0.00E+00	0.00E+00	5.23E-05	2.82E-07	0.00E+00	2.82E-07	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	8.31E-05
8160	ALL	487523.3	3617040	NonCancer	7.08E-05	2.41E-07	4.45E-05	0.00E+00	0.00E+00	4.45E-05	2.41E-07	0.00E+00	2.41E-07	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	7.08E-05
8161	ALL	487502.2	3617029	NonCancer	6.00E-05	2.04E-07	3.78E-05	0.00E+00	0.00E+00	3.78E-05	2.04E-07	0.00E+00	2.04E-07	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	6.00E-05
8162	ALL	487481	3617017	NonCancer	5.15E-05	1.75E-07	3.24E-05	0.00E+00	0.00E+00	3.24E-05	1.75E-07	0.00E+00	1.75E-07	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	5.15E-05
8163	ALL	487459.8	3617005	NonCancer	4.55E-05	1.55E-07	2.86E-05	0.00E+00	0.00E+00	2.86E-05	1.55E-07	0.00E+00	1.55E-07	0.00E+00	0.00E+00	2.86E-05	0.00E+00	0.00E+00	4.55E-05

8164	ALL	487438.6	3616994	NonCancer	4.55E-05	1.55E-07	2.87E-05	0.00E+00	0.00E+00	2.87E-05	1.55E-07	0.00E+00	1.55E-07	0.00E+00	0.00E+00	2.87E-05	0.00E+00	0.00E+00	4.55E-05
8165	ALL	487417.4	3616982	NonCancer	4.63E-05	1.57E-07	2.92E-05	0.00E+00	0.00E+00	2.92E-05	1.57E-07	0.00E+00	1.57E-07	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	4.63E-05
8166	ALL	487396.2	3616970	NonCancer	4.74E-05	1.61E-07	2.98E-05	0.00E+00	0.00E+00	2.98E-05	1.61E-07	0.00E+00	1.61E-07	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	4.74E-05
8167	ALL	487375	3616959	NonCancer	4.89E-05	1.66E-07	3.08E-05	0.00E+00	0.00E+00	3.08E-05	1.66E-07	0.00E+00	1.66E-07	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	4.89E-05
8168	ALL	487353.8	3616947	NonCancer	5.01E-05	1.70E-07	3.16E-05	0.00E+00	0.00E+00	3.16E-05	1.70E-07	0.00E+00	1.70E-07	0.00E+00	0.00E+00	3.16E-05	0.00E+00	0.00E+00	5.01E-05
8169	ALL	487332.7	3616936	NonCancer	5.09E-05	1.73E-07	3.21E-05	0.00E+00	0.00E+00	3.21E-05	1.73E-07	0.00E+00	1.73E-07	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	5.09E-05
8170	ALL	487311.5	3616924	NonCancer	5.14E-05	1.75E-07	3.24E-05	0.00E+00	0.00E+00	3.24E-05	1.75E-07	0.00E+00	1.75E-07	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	5.14E-05
8171	ALL	487290.3	3616912	NonCancer	5.15E-05	1.75E-07	3.24E-05	0.00E+00	0.00E+00	3.24E-05	1.75E-07	0.00E+00	1.75E-07	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	5.15E-05
8172	ALL	487269.1	3616901	NonCancer	5.16E-05	1.76E-07	3.25E-05	0.00E+00	0.00E+00	3.25E-05	1.76E-07	0.00E+00	1.76E-07	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	5.16E-05
8173	ALL	487247.9	3616889	NonCancer	5.18E-05	1.76E-07	3.26E-05	0.00E+00	0.00E+00	3.26E-05	1.76E-07	0.00E+00	1.76E-07	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	5.18E-05
8174	ALL	487226.7	3616878	NonCancer	5.16E-05	1.76E-07	3.25E-05	0.00E+00	0.00E+00	3.25E-05	1.76E-07	0.00E+00	1.76E-07	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	5.16E-05
8175	ALL	487205.5	3616866	NonCancer	5.13E-05	1.74E-07	3.23E-05	0.00E+00	0.00E+00	3.23E-05	1.74E-07	0.00E+00	1.74E-07	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	5.13E-05
8176	ALL	487184.3	3616854	NonCancer	5.05E-05	1.72E-07	3.18E-05	0.00E+00	0.00E+00	3.18E-05	1.72E-07	0.00E+00	1.72E-07	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	5.05E-05
8177	ALL	487163.2	3616843	NonCancer	4.96E-05	1.69E-07	3.12E-05	0.00E+00	0.00E+00	3.12E-05	1.69E-07	0.00E+00	1.69E-07	0.00E+00	0.00E+00	3.12E-05	0.00E+00	0.00E+00	4.96E-05
8178	ALL	487142	3616831	NonCancer	4.83E-05	1.64E-07	3.04E-05	0.00E+00	0.00E+00	3.04E-05	1.64E-07	0.00E+00	1.64E-07	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	4.83E-05
8179	ALL	487120.8	3616820	NonCancer	4.70E-05	1.60E-07	2.96E-05	0.00E+00	0.00E+00	2.96E-05	1.60E-07	0.00E+00	1.60E-07	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	4.70E-05
8180	ALL	487099.6	3616808	NonCancer	4.58E-05	1.56E-07	2.89E-05	0.00E+00	0.00E+00	2.89E-05	1.56E-07	0.00E+00	1.56E-07	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	4.58E-05
8181	ALL	487078.4	3616796	NonCancer	4.39E-05	1.49E-07	2.77E-05	0.00E+00	0.00E+00	2.77E-05	1.49E-07	0.00E+00	1.49E-07	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	4.39E-05
8182	ALL	487057.2	3616785	NonCancer	4.58E-05	1.56E-07	2.88E-05	0.00E+00	0.00E+00	2.88E-05	1.56E-07	0.00E+00	1.56E-07	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	4.58E-05
8183	ALL	487036	3616773	NonCancer	5.21E-05	1.77E-07	3.28E-05	0.00E+00	0.00E+00	3.28E-05	1.77E-07	0.00E+00	1.77E-07	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	5.21E-05
8184	ALL	487014.8	3616762	NonCancer	5.85E-05	1.99E-07	3.68E-05	0.00E+00	0.00E+00	3.68E-05	1.99E-07	0.00E+00	1.99E-07	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	5.85E-05
8185	ALL	486993.7	3616750	NonCancer	6.52E-05	2.22E-07	4.10E-05	0.00E+00	0.00E+00	4.10E-05	2.22E-07	0.00E+00	2.22E-07	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	6.52E-05
8186	ALL	486972.5	3616738	NonCancer	7.20E-05	2.45E-07	4.53E-05	0.00E+00	0.00E+00	4.53E-05	2.45E-07	0.00E+00	2.45E-07	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	7.20E-05
8187	ALL	486951.3	3616727	NonCancer	7.88E-05	2.68E-07	4.96E-05	0.00E+00	0.00E+00	4.96E-05	2.68E-07	0.00E+00	2.68E-07	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	7.88E-05
8188	ALL	486930.1	3616715	NonCancer	8.56E-05	2.91E-07	5.39E-05	0.00E+00	0.00E+00	5.39E-05	2.91E-07	0.00E+00	2.91E-07	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	8.56E-05
8189	ALL	486908.9	3616704	NonCancer	9.22E-05	3.14E-07	5.81E-05	0.00E+00	0.00E+00	5.81E-05	3.14E-07	0.00E+00	3.14E-07	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	9.22E-05
8190	ALL	486887.7	3616692	NonCancer	9.85E-05	3.35E-07	6.20E-05	0.00E+00	0.00E+00	6.20E-05	3.35E-07	0.00E+00	3.35E-07	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	9.85E-05
8191	ALL	486866.5	3616680	NonCancer	1.04E-04	3.55E-07	6.57E-05	0.00E+00	0.00E+00	6.57E-05	3.55E-07	0.00E+00	3.55E-07	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	1.04E-04
8192	ALL	486845.3	3616669	NonCancer	1.10E-04	3.72E-07	6.90E-05	0.00E+00	0.00E+00	6.90E-05	3.72E-07	0.00E+00	3.72E-07	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00	1.10E-04
8193	ALL	486824.2	3616657	NonCancer	1.14E-04	3.88E-07	7.18E-05	0.00E+00	0.00E+00	7.18E-05	3.88E-07	0.00E+00	3.88E-07	0.00E+00	0.00E+00	7.18E-05	0.00E+00	0.00E+00	1.14E-04
8194	ALL	486803	3616646	NonCancer	1.18E-04	4.01E-07	7.42E-05	0.00E+00	0.00E+00	7.42E-05	4.01E-07	0.00E+00	4.01E-07	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	1.18E-04
8195	ALL	486781.8	3616634	NonCancer	1.21E-04	4.11E-07	7.61E-05	0.00E+00	0.00E+00	7.61E-05	4.11E-07	0.00E+00	4.11E-07	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	1.21E-04
8196	ALL	486760.6	3616622	NonCancer	1.23E-04	4.18E-07	7.73E-05	0.00E+00	0.00E+00	7.73E-05	4.18E-07	0.00E+00	4.18E-07	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	1.23E-04
8197	ALL	486739.4	3616611	NonCancer	1.24E-04	4.21E-07	7.80E-05	0.00E+00	0.00E+00	7.80E-05	4.21E-07	0.00E+00	4.21E-07	0.00E+00	0.00E+00	7.80E-05	0.00E+00	0.00E+00	1.24E-04
8198	ALL	486718.2	3616599	NonCancer	1.24E-04	4.23E-07	7.83E-05	0.00E+00	0.00E+00	7.83E-05	4.23E-07	0.00E+00	4.23E-07	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	1.24E-04
8199	ALL	486697	3616588	NonCancer	1.24E-04	4.20E-07	7.78E-05	0.00E+00	0.00E+00	7.78E-05	4.20E-07	0.00E+00	4.20E-07	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	1.24E-04
8200	ALL	486675.8	3616576	NonCancer	1.22E-04	4.14E-07	7.67E-05	0.00E+00	0.00E+00	7.67E-05	4.14E-07	0.00E+00	4.14E-07	0.00E+00	0.00E+00	7.67E-05	0.00E+00	0.00E+00	1.22E-04
8201	ALL	486654.7	3616564	NonCancer	1.19E-04	4.05E-07	7.49E-05	0.00E+00	0.00E+00	7.49E-05	4.05E-07	0.00E+00	4.05E-07	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	1.19E-04
8202	ALL	486633.5	3616553	NonCancer	1.15E-04	3.92E-07	7.27E-05	0.00E+00	0.00E+00	7.27E-05	3.92E-07	0.00E+00	3.92E-07	0.00E+00	0.00E+00	7.27E-05	0.00E+00	0.00E+00	1.15E-04
8203	ALL	486612.3	3616541	NonCancer	1.11E-04	3.78E-07	7.00E-05	0.00E+00	0.00E+00	7.00E-05	3.78E-07	0.00E+00	3.78E-07	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	1.11E-04
8204	ALL	486591.1	3616530	NonCancer	1.06E-04	3.61E-07	6.69E-05	0.00E+00	0.00E+00	6.69E-05	3.61E-07	0.00E+00	3.61E-07	0.00E+00	0.00E+00	6.69E-05	0.00E+00	0.00E+00	1.06E-04
8205	ALL	486569.9	3616518	NonCancer	1.01E-04	3.42E-07	6.34E-05	0.00E+00	0.00E+00	6.34E-05	3.42E-07	0.00E+00	3.42E-07	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00	1.01E-04
8206	ALL	486548.7	3616506	NonCancer	9.48E-05	3.22E-07	5.97E-05	0.00E+00	0.00E+00	5.97E-05	3.22E-07	0.00E+00	3.22E-07	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00	9.48E-05
8207	ALL	486527.5	3616495	NonCancer	8.87E-05	3.01E-07	5.58E-05	0.00E+00	0.00E+00	5.58E-05	3.01E-07	0.00E+00	3.01E-07	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	8.87E-05
8208	ALL	486506.3	3616483	NonCancer	8.23E-05	2.80E-07	5.18E-05	0.00E+00	0.00E+00	5.18E-05	2.80E-07	0.00E+00	2.80E-07	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	8.23E-05
8209	ALL	486485.2	3616472	NonCancer	7.59E-05	2.58E-07	4.78E-05	0.00E+00	0.00E+00	4.78E-05	2.58E-07	0.00E+00	2.58E-07	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00	7.59E-05
8210	ALL	486464	3616460	NonCancer	7.93E-05	2.70E-07	4.99E-05	0.00E+00	0.00E+00	4.99E-05	2.70E-07	0.00E+00	2.70E-07	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	7.93E-05
8211	ALL	486442.8	3616448	NonCancer	8.23E-05	2.80E-07	5.18E-05	0.00E+00	0.00E+00	5.18E-05	2.80E-07	0.00E+00	2.80E-07	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	8.23E-05
8212	ALL	486421.6	3616437	NonCancer	8.48E-05	2.88E-07	5.34E-05	0.00E+00	0.00E+00	5.34E-05	2.88E-07	0.00E+00	2.88E-07	0.00E+00	0.00E+00	5.34E-05	0.00E+00	0.00E+00	8.48E-05
8213	ALL	486393.7	3616402	NonCancer	8.88E-05	3.02E-07	5.59E-05	0.00E+00	0.00E+00	5.59E-05	3.02E-07	0.00E+00	3.02E-07	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00	8.88E-05
8214	ALL	486386.9	3616379	NonCancer	9.01E-05	3.06E-07	5.67E-05	0.00E+00	0.00E+00	5.67E-05	3.06E-07	0.00E+00	3.06E-07	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	9.01E-05
8215	ALL	486380.2	3616356	NonCancer	9.08E-05	3.09E-07	5.72E-05	0.00E+00	0.00E+00	5.72E-05	3.09E-07	0.00E+00	3.09E-07	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00	9.08E-05

8216	ALL	486373.5	3616332	NonCancer	9.10E-05	3.09E-07	5.73E-05	0.00E+00	0.00E+00	5.73E-05	3.09E-07	0.00E+00	3.09E-07	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00	9.10E-05
8217	ALL	486366.8	3616309	NonCancer	9.05E-05	3.08E-07	5.70E-05	0.00E+00	0.00E+00	5.70E-05	3.08E-07	0.00E+00	3.08E-07	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00	9.05E-05
8218	ALL	486360	3616286	NonCancer	8.94E-05	3.04E-07	5.63E-05	0.00E+00	0.00E+00	5.63E-05	3.04E-07	0.00E+00	3.04E-07	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00	8.94E-05
8219	ALL	486353.3	3616263	NonCancer	8.78E-05	2.98E-07	5.53E-05	0.00E+00	0.00E+00	5.53E-05	2.98E-07	0.00E+00	2.98E-07	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	8.78E-05
8220	ALL	486346.6	3616240	NonCancer	8.55E-05	2.91E-07	5.39E-05	0.00E+00	0.00E+00	5.39E-05	2.91E-07	0.00E+00	2.91E-07	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	8.55E-05
8221	ALL	486339.8	3616216	NonCancer	8.28E-05	2.81E-07	5.21E-05	0.00E+00	0.00E+00	5.21E-05	2.81E-07	0.00E+00	2.81E-07	0.00E+00	0.00E+00	5.21E-05	0.00E+00	0.00E+00	8.28E-05
8222	ALL	486333.1	3616193	NonCancer	7.95E-05	2.70E-07	5.01E-05	0.00E+00	0.00E+00	5.01E-05	2.70E-07	0.00E+00	2.70E-07	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	7.95E-05
8223	ALL	486326.4	3616170	NonCancer	7.95E-05	2.70E-07	5.00E-05	0.00E+00	0.00E+00	5.00E-05	2.70E-07	0.00E+00	2.70E-07	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	7.95E-05
8224	ALL	486319.7	3616147	NonCancer	8.28E-05	2.82E-07	5.21E-05	0.00E+00	0.00E+00	5.21E-05	2.82E-07	0.00E+00	2.82E-07	0.00E+00	0.00E+00	5.21E-05	0.00E+00	0.00E+00	8.28E-05
8225	ALL	486312.9	3616124	NonCancer	8.56E-05	2.91E-07	5.39E-05	0.00E+00	0.00E+00	5.39E-05	2.91E-07	0.00E+00	2.91E-07	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	8.56E-05
8226	ALL	486306.2	3616100	NonCancer	9.30E-05	3.16E-07	5.85E-05	0.00E+00	0.00E+00	5.85E-05	3.16E-07	0.00E+00	3.16E-07	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00	9.30E-05
8227	ALL	486299.5	3616077	NonCancer	1.01E-04	3.43E-07	6.36E-05	0.00E+00	0.00E+00	6.36E-05	3.43E-07	0.00E+00	3.43E-07	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	1.01E-04
8228	ALL	486292.7	3616054	NonCancer	1.09E-04	3.70E-07	6.85E-05	0.00E+00	0.00E+00	6.85E-05	3.70E-07	0.00E+00	3.70E-07	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	1.09E-04
8229	ALL	486286	3616031	NonCancer	1.16E-04	3.95E-07	7.31E-05	0.00E+00	0.00E+00	7.31E-05	3.95E-07	0.00E+00	3.95E-07	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	1.16E-04
8230	ALL	486279.3	3616008	NonCancer	1.23E-04	4.18E-07	7.75E-05	0.00E+00	0.00E+00	7.75E-05	4.18E-07	0.00E+00	4.18E-07	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	1.23E-04
8231	ALL	486272.5	3615984	NonCancer	1.29E-04	4.40E-07	8.14E-05	0.00E+00	0.00E+00	8.14E-05	4.40E-07	0.00E+00	4.40E-07	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	1.29E-04
8232	ALL	486265.8	3615961	NonCancer	1.35E-04	4.58E-07	8.48E-05	0.00E+00	0.00E+00	8.48E-05	4.58E-07	0.00E+00	4.58E-07	0.00E+00	0.00E+00	8.48E-05	0.00E+00	0.00E+00	1.35E-04
8233	ALL	486259.1	3615938	NonCancer	1.39E-04	4.73E-07	8.76E-05	0.00E+00	0.00E+00	8.76E-05	4.73E-07	0.00E+00	4.73E-07	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	1.39E-04
8234	ALL	486252.4	3615915	NonCancer	1.43E-04	4.85E-07	8.98E-05	0.00E+00	0.00E+00	8.98E-05	4.85E-07	0.00E+00	4.85E-07	0.00E+00	0.00E+00	8.98E-05	0.00E+00	0.00E+00	1.43E-04
8235	ALL	486245.6	3615892	NonCancer	1.45E-04	4.92E-07	9.11E-05	0.00E+00	0.00E+00	9.11E-05	4.92E-07	0.00E+00	4.92E-07	0.00E+00	0.00E+00	9.11E-05	0.00E+00	0.00E+00	1.45E-04
8236	ALL	486238.9	3615868	NonCancer	1.46E-04	4.95E-07	9.17E-05	0.00E+00	0.00E+00	9.17E-05	4.95E-07	0.00E+00	4.95E-07	0.00E+00	0.00E+00	9.17E-05	0.00E+00	0.00E+00	1.46E-04
8237	ALL	486232.2	3615845	NonCancer	1.45E-04	4.94E-07	9.15E-05	0.00E+00	0.00E+00	9.15E-05	4.94E-07	0.00E+00	4.94E-07	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	1.45E-04
8238	ALL	486225.4	3615822	NonCancer	1.50E-04	5.10E-07	9.45E-05	0.00E+00	0.00E+00	9.45E-05	5.10E-07	0.00E+00	5.10E-07	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00	1.50E-04
8239	ALL	486218.7	3615799	NonCancer	1.54E-04	5.24E-07	9.71E-05	0.00E+00	0.00E+00	9.71E-05	5.24E-07	0.00E+00	5.24E-07	0.00E+00	0.00E+00	9.71E-05	0.00E+00	0.00E+00	1.54E-04
8240	ALL	486212	3615776	NonCancer	1.57E-04	5.34E-07	9.88E-05	0.00E+00	0.00E+00	9.88E-05	5.34E-07	0.00E+00	5.34E-07	0.00E+00	0.00E+00	9.88E-05	0.00E+00	0.00E+00	1.57E-04
8241	ALL	486205.3	3615752	NonCancer	1.58E-04	5.38E-07	9.95E-05	0.00E+00	0.00E+00	9.95E-05	5.38E-07	0.00E+00	5.38E-07	0.00E+00	0.00E+00	9.95E-05	0.00E+00	0.00E+00	1.58E-04
8242	ALL	486198.5	3615729	NonCancer	1.58E-04	5.36E-07	9.93E-05	0.00E+00	0.00E+00	9.93E-05	5.36E-07	0.00E+00	5.36E-07	0.00E+00	0.00E+00	9.93E-05	0.00E+00	0.00E+00	1.58E-04
8243	ALL	486191.8	3615706	NonCancer	1.56E-04	5.29E-07	9.80E-05	0.00E+00	0.00E+00	9.80E-05	5.29E-07	0.00E+00	5.29E-07	0.00E+00	0.00E+00	9.80E-05	0.00E+00	0.00E+00	1.56E-04
8244	ALL	486185.1	3615683	NonCancer	1.52E-04	5.17E-07	9.58E-05	0.00E+00	0.00E+00	9.58E-05	5.17E-07	0.00E+00	5.17E-07	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00	1.52E-04
8245	ALL	486178.3	3615660	NonCancer	1.47E-04	5.00E-07	9.27E-05	0.00E+00	0.00E+00	9.27E-05	5.00E-07	0.00E+00	5.00E-07	0.00E+00	0.00E+00	9.27E-05	0.00E+00	0.00E+00	1.47E-04
8246	ALL	486171.6	3615636	NonCancer	1.50E-04	5.10E-07	9.44E-05	0.00E+00	0.00E+00	9.44E-05	5.10E-07	0.00E+00	5.10E-07	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	1.50E-04
8247	ALL	486164.9	3615613	NonCancer	1.68E-04	5.70E-07	1.05E-04	0.00E+00	0.00E+00	1.05E-04	5.70E-07	0.00E+00	5.70E-07	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.68E-04
8248	ALL	486158.2	3615590	NonCancer	1.85E-04	6.29E-07	1.16E-04	0.00E+00	0.00E+00	1.16E-04	6.29E-07	0.00E+00	6.29E-07	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.85E-04
8249	ALL	486151.4	3615567	NonCancer	2.02E-04	6.87E-07	1.27E-04	0.00E+00	0.00E+00	1.27E-04	6.87E-07	0.00E+00	6.87E-07	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	2.02E-04
8250	ALL	486144.7	3615544	NonCancer	2.18E-04	7.40E-07	1.37E-04	0.00E+00	0.00E+00	1.37E-04	7.40E-07	0.00E+00	7.40E-07	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	2.18E-04
8251	ALL	486138	3615520	NonCancer	2.32E-04	7.89E-07	1.46E-04	0.00E+00	0.00E+00	1.46E-04	7.89E-07	0.00E+00	7.89E-07	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	2.32E-04
8252	ALL	486131.2	3615497	NonCancer	2.44E-04	8.30E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.30E-07	0.00E+00	8.30E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.44E-04
8253	ALL	486124.5	3615474	NonCancer	2.54E-04	8.62E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.62E-07	0.00E+00	8.62E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.54E-04
8254	ALL	486117.8	3615451	NonCancer	2.60E-04	8.85E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.85E-07	0.00E+00	8.85E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.60E-04
8255	ALL	486111	3615428	NonCancer	2.64E-04	8.97E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.97E-07	0.00E+00	8.97E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.64E-04
8256	ALL	486104.3	3615404	NonCancer	2.64E-04	8.97E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.97E-07	0.00E+00	8.97E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.64E-04
8257	ALL	486097.6	3615381	NonCancer	2.61E-04	8.86E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.86E-07	0.00E+00	8.86E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.61E-04
8258	ALL	486090.9	3615358	NonCancer	2.54E-04	8.64E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.64E-07	0.00E+00	8.64E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.54E-04
8259	ALL	486084.1	3615335	NonCancer	2.45E-04	8.32E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.32E-07	0.00E+00	8.32E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.45E-04
8260	ALL	486077.4	3615312	NonCancer	2.33E-04	7.91E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.91E-07	0.00E+00	7.91E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.33E-04
8261	ALL	486070.7	3615288	NonCancer	2.19E-04	7.43E-07	1.38E-04	0.00E+00	0.00E+00	1.38E-04	7.43E-07	0.00E+00	7.43E-07	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	2.19E-04
8262	ALL	486063.9	3615265	NonCancer	2.03E-04	6.89E-07	1.28E-04	0.00E+00	0.00E+00	1.28E-04	6.89E-07	0.00E+00	6.89E-07	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	2.03E-04
8263	ALL	486057.2	3615242	NonCancer	2.00E-04	6.79E-07	1.26E-04	0.00E+00	0.00E+00	1.26E-04	6.79E-07	0.00E+00	6.79E-07	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	2.00E-04
8264	ALL	486050.5	3615219	NonCancer	2.16E-04	7.33E-07	1.36E-04	0.00E+00	0.00E+00	1.36E-04	7.33E-07	0.00E+00	7.33E-07	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	2.16E-04
8265	ALL	486043.8	3615196	NonCancer	2.30E-04	7.82E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.82E-07	0.00E+00	7.82E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
8266	ALL	486037	3615172	NonCancer	2.42E-04	8.24E-07	1.53E-04	0.00E+00	0.00E+00	1.53E-04	8.24E-07	0.00E+00	8.24E-07	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	2.42E-04
8267	ALL	486030.3	3615149	NonCancer	2.52E-04	8.57E-07	1.59E-04	0.00E+00	0.00E+00	1.59E-04	8.57E-07	0.00E+00	8.57E-07	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	2.52E-04

8268	ALL	486023.6	3615126	NonCancer	2.59E-04	8.81E-07	1.63E-04	0.00E+00	0.00E+00	1.63E-04	8.81E-07	0.00E+00	8.81E-07	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	2.59E-04
8269	ALL	486016.8	3615103	NonCancer	2.63E-04	8.93E-07	1.65E-04	0.00E+00	0.00E+00	1.65E-04	8.93E-07	0.00E+00	8.93E-07	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	2.63E-04
8270	ALL	486010.1	3615080	NonCancer	2.63E-04	8.95E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.95E-07	0.00E+00	8.95E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.63E-04
8271	ALL	486003.4	3615056	NonCancer	2.60E-04	8.85E-07	1.64E-04	0.00E+00	0.00E+00	1.64E-04	8.85E-07	0.00E+00	8.85E-07	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.60E-04
8272	ALL	485996.7	3615033	NonCancer	2.54E-04	8.64E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.64E-07	0.00E+00	8.64E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.54E-04
8273	ALL	485989.9	3615010	NonCancer	2.45E-04	8.33E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.33E-07	0.00E+00	8.33E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.45E-04
8274	ALL	485983.2	3614987	NonCancer	2.33E-04	7.94E-07	1.47E-04	0.00E+00	0.00E+00	1.47E-04	7.94E-07	0.00E+00	7.94E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	2.33E-04
8275	ALL	485976.5	3614964	NonCancer	2.20E-04	7.46E-07	1.38E-04	0.00E+00	0.00E+00	1.38E-04	7.46E-07	0.00E+00	7.46E-07	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	2.20E-04
8276	ALL	485969.7	3614940	NonCancer	2.04E-04	6.93E-07	1.28E-04	0.00E+00	0.00E+00	1.28E-04	6.93E-07	0.00E+00	6.93E-07	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	2.04E-04
8277	ALL	485963	3614917	NonCancer	1.92E-04	6.53E-07	1.21E-04	0.00E+00	0.00E+00	1.21E-04	6.53E-07	0.00E+00	6.53E-07	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.92E-04
8278	ALL	485956.3	3614894	NonCancer	1.79E-04	6.10E-07	1.13E-04	0.00E+00	0.00E+00	1.13E-04	6.10E-07	0.00E+00	6.10E-07	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	1.79E-04
8279	ALL	485949.5	3614871	NonCancer	1.66E-04	5.63E-07	1.04E-04	0.00E+00	0.00E+00	1.04E-04	5.63E-07	0.00E+00	5.63E-07	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	1.66E-04
8280	ALL	485942.8	3614848	NonCancer	1.51E-04	5.15E-07	9.54E-05	0.00E+00	0.00E+00	9.54E-05	5.15E-07	0.00E+00	5.15E-07	0.00E+00	0.00E+00	9.54E-05	0.00E+00	0.00E+00	1.51E-04
8281	ALL	485936.1	3614824	NonCancer	1.53E-04	5.20E-07	9.62E-05	0.00E+00	0.00E+00	9.62E-05	5.20E-07	0.00E+00	5.20E-07	0.00E+00	0.00E+00	9.62E-05	0.00E+00	0.00E+00	1.53E-04
8282	ALL	485929.4	3614801	NonCancer	1.53E-04	5.19E-07	9.61E-05	0.00E+00	0.00E+00	9.61E-05	5.19E-07	0.00E+00	5.19E-07	0.00E+00	0.00E+00	9.61E-05	0.00E+00	0.00E+00	1.53E-04
8283	ALL	485922.6	3614778	NonCancer	1.53E-04	5.20E-07	9.63E-05	0.00E+00	0.00E+00	9.63E-05	5.20E-07	0.00E+00	5.20E-07	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00	1.53E-04
8284	ALL	485915.9	3614755	NonCancer	1.53E-04	5.22E-07	9.66E-05	0.00E+00	0.00E+00	9.66E-05	5.22E-07	0.00E+00	5.22E-07	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	1.53E-04
8285	ALL	485909.2	3614732	NonCancer	1.55E-04	5.26E-07	9.73E-05	0.00E+00	0.00E+00	9.73E-05	5.26E-07	0.00E+00	5.26E-07	0.00E+00	0.00E+00	9.73E-05	0.00E+00	0.00E+00	1.55E-04
8286	ALL	485902.4	3614708	NonCancer	1.70E-04	5.78E-07	1.07E-04	0.00E+00	0.00E+00	1.07E-04	5.78E-07	0.00E+00	5.78E-07	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	1.70E-04
8287	ALL	485895.7	3614685	NonCancer	1.85E-04	6.28E-07	1.16E-04	0.00E+00	0.00E+00	1.16E-04	6.28E-07	0.00E+00	6.28E-07	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.85E-04
8288	ALL	485889	3614662	NonCancer	1.98E-04	6.74E-07	1.25E-04	0.00E+00	0.00E+00	1.25E-04	6.74E-07	0.00E+00	6.74E-07	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	1.98E-04
8289	ALL	485882.3	3614639	NonCancer	2.10E-04	7.16E-07	1.33E-04	0.00E+00	0.00E+00	1.33E-04	7.16E-07	0.00E+00	7.16E-07	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.10E-04
8290	ALL	485875.5	3614616	NonCancer	2.26E-04	7.69E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.69E-07	0.00E+00	7.69E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.26E-04
8291	ALL	485868.8	3614592	NonCancer	2.42E-04	8.22E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.22E-07	0.00E+00	8.22E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.42E-04
8292	ALL	485862.1	3614569	NonCancer	2.55E-04	8.67E-07	1.61E-04	0.00E+00	0.00E+00	1.61E-04	8.67E-07	0.00E+00	8.67E-07	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.55E-04
8293	ALL	485855.3	3614546	NonCancer	2.66E-04	9.04E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.04E-07	0.00E+00	9.04E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.66E-04
8294	ALL	485848.6	3614523	NonCancer	2.74E-04	9.31E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.31E-07	0.00E+00	9.31E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.74E-04
8295	ALL	485841.9	3614500	NonCancer	2.78E-04	9.46E-07	1.75E-04	0.00E+00	0.00E+00	1.75E-04	9.46E-07	0.00E+00	9.46E-07	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	2.78E-04
8296	ALL	485835.1	3614476	NonCancer	2.80E-04	9.50E-07	1.76E-04	0.00E+00	0.00E+00	1.76E-04	9.50E-07	0.00E+00	9.50E-07	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	2.80E-04
8297	ALL	485828.4	3614453	NonCancer	2.77E-04	9.43E-07	1.75E-04	0.00E+00	0.00E+00	1.75E-04	9.43E-07	0.00E+00	9.43E-07	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	2.77E-04
8298	ALL	485821.7	3614430	NonCancer	2.72E-04	9.24E-07	1.71E-04	0.00E+00	0.00E+00	1.71E-04	9.24E-07	0.00E+00	9.24E-07	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.72E-04
8299	ALL	485815	3614407	NonCancer	2.63E-04	8.94E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.94E-07	0.00E+00	8.94E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.63E-04
8300	ALL	485808.2	3614384	NonCancer	2.52E-04	8.56E-07	1.58E-04	0.00E+00	0.00E+00	1.58E-04	8.56E-07	0.00E+00	8.56E-07	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	2.52E-04
8301	ALL	485801.5	3614360	NonCancer	2.47E-04	8.38E-07	1.55E-04	0.00E+00	0.00E+00	1.55E-04	8.38E-07	0.00E+00	8.38E-07	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	2.47E-04
8302	ALL	485794.8	3614337	NonCancer	2.44E-04	8.31E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.31E-07	0.00E+00	8.31E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.44E-04
8303	ALL	485788	3614314	NonCancer	2.39E-04	8.14E-07	1.51E-04	0.00E+00	0.00E+00	1.51E-04	8.14E-07	0.00E+00	8.14E-07	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	2.39E-04
8304	ALL	485781.3	3614291	NonCancer	2.63E-04	8.96E-07	1.66E-04	0.00E+00	0.00E+00	1.66E-04	8.96E-07	0.00E+00	8.96E-07	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.63E-04
8305	ALL	485774.6	3614268	NonCancer	2.90E-04	9.86E-07	1.83E-04	0.00E+00	0.00E+00	1.83E-04	9.86E-07	0.00E+00	9.86E-07	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.90E-04
8306	ALL	485767.9	3614244	NonCancer	3.15E-04	1.07E-06	1.98E-04	0.00E+00	0.00E+00	1.98E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	3.15E-04
8307	ALL	485761.1	3614221	NonCancer	3.36E-04	1.14E-06	2.12E-04	0.00E+00	0.00E+00	2.12E-04	1.14E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	3.36E-04
8308	ALL	485754.4	3614198	NonCancer	3.54E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.54E-04
8309	ALL	485747.7	3614175	NonCancer	3.67E-04	1.25E-06	2.31E-04	0.00E+00	0.00E+00	2.31E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	3.67E-04
8310	ALL	485740.9	3614152	NonCancer	3.76E-04	1.28E-06	2.36E-04	0.00E+00	0.00E+00	2.36E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	3.76E-04
8311	ALL	485734.2	3614128	NonCancer	3.78E-04	1.29E-06	2.38E-04	0.00E+00	0.00E+00	2.38E-04	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	3.78E-04
8312	ALL	485727.5	3614105	NonCancer	3.76E-04	1.28E-06	2.37E-04	0.00E+00	0.00E+00	2.37E-04	1.28E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	3.76E-04
8313	ALL	485720.8	3614082	NonCancer	3.68E-04	1.25E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.68E-04
8314	ALL	485714	3614059	NonCancer	3.55E-04	1.21E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.55E-04
8315	ALL	485707.3	3614036	NonCancer	3.38E-04	1.15E-06	2.13E-04	0.00E+00	0.00E+00	2.13E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	3.38E-04
8316	ALL	485700.6	3614012	NonCancer	3.17E-04	1.08E-06	2.00E-04	0.00E+00	0.00E+00	2.00E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	3.17E-04
8317	ALL	485693.8	3613989	NonCancer	2.94E-04	9.98E-07	1.85E-04	0.00E+00	0.00E+00	1.85E-04	9.98E-07	0.00E+00	9.98E-07	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.94E-04
8318	ALL	485687.1	3613966	NonCancer	2.68E-04	9.12E-07	1.69E-04	0.00E+00	0.00E+00	1.69E-04	9.12E-07	0.00E+00	9.12E-07	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.68E-04
8319	ALL	485680.4	3613943	NonCancer	2.42E-04	8.22E-07	1.52E-04	0.00E+00	0.00E+00	1.52E-04	8.22E-07	0.00E+00	8.22E-07	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	2.42E-04

8320	ALL	488688.7	3617678	NonCancer	4.76E-04	1.62E-06	3.00E-04	0.00E+00	0.00E+00	3.00E-04	1.62E-06	0.00E+00	1.62E-06	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	4.76E-04
8321	ALL	488712.7	3617681	NonCancer	5.84E-04	1.98E-06	3.68E-04	0.00E+00	0.00E+00	3.68E-04	1.98E-06	0.00E+00	1.98E-06	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	5.84E-04
8322	ALL	488736.7	3617683	NonCancer	4.97E-04	1.69E-06	3.13E-04	0.00E+00	0.00E+00	3.13E-04	1.69E-06	0.00E+00	1.69E-06	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	4.97E-04
8323	ALL	488760.8	3617686	NonCancer	5.88E-04	2.00E-06	3.70E-04	0.00E+00	0.00E+00	3.70E-04	2.00E-06	0.00E+00	2.00E-06	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	5.88E-04
8324	ALL	488784.8	3617689	NonCancer	6.64E-04	2.26E-06	4.18E-04	0.00E+00	0.00E+00	4.18E-04	2.26E-06	0.00E+00	2.26E-06	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	6.64E-04
8325	ALL	488624.7	3618064	NonCancer	1.32E-04	4.49E-07	8.32E-05	0.00E+00	0.00E+00	8.32E-05	4.49E-07	0.00E+00	4.49E-07	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	1.32E-04
8326	ALL	488603.6	3618053	NonCancer	1.32E-04	4.49E-07	8.31E-05	0.00E+00	0.00E+00	8.31E-05	4.49E-07	0.00E+00	4.49E-07	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	1.32E-04
8327	ALL	488582.4	3618041	NonCancer	1.31E-04	4.45E-07	8.23E-05	0.00E+00	0.00E+00	8.23E-05	4.45E-07	0.00E+00	4.45E-07	0.00E+00	0.00E+00	8.23E-05	0.00E+00	0.00E+00	1.31E-04
8328	ALL	488561.3	3618030	NonCancer	1.29E-04	4.37E-07	8.10E-05	0.00E+00	0.00E+00	8.10E-05	4.37E-07	0.00E+00	4.37E-07	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	1.29E-04
8329	ALL	488540.2	3618018	NonCancer	1.26E-04	4.27E-07	7.91E-05	0.00E+00	0.00E+00	7.91E-05	4.27E-07	0.00E+00	4.27E-07	0.00E+00	0.00E+00	7.91E-05	0.00E+00	0.00E+00	1.26E-04
8330	ALL	488519	3618006	NonCancer	1.22E-04	4.14E-07	7.67E-05	0.00E+00	0.00E+00	7.67E-05	4.14E-07	0.00E+00	4.14E-07	0.00E+00	0.00E+00	7.67E-05	0.00E+00	0.00E+00	1.22E-04
8331	ALL	488497.9	3617995	NonCancer	1.17E-04	3.99E-07	7.38E-05	0.00E+00	0.00E+00	7.38E-05	3.99E-07	0.00E+00	3.99E-07	0.00E+00	0.00E+00	7.38E-05	0.00E+00	0.00E+00	1.17E-04
8332	ALL	488476.8	3617983	NonCancer	1.12E-04	3.81E-07	7.05E-05	0.00E+00	0.00E+00	7.05E-05	3.81E-07	0.00E+00	3.81E-07	0.00E+00	0.00E+00	7.05E-05	0.00E+00	0.00E+00	1.12E-04
8333	ALL	488455.6	3617972	NonCancer	1.06E-04	3.61E-07	6.69E-05	0.00E+00	0.00E+00	6.69E-05	3.61E-07	0.00E+00	3.61E-07	0.00E+00	0.00E+00	6.69E-05	0.00E+00	0.00E+00	1.06E-04
8334	ALL	488434.5	3617960	NonCancer	9.99E-05	3.40E-07	6.29E-05	0.00E+00	0.00E+00	6.29E-05	3.40E-07	0.00E+00	3.40E-07	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00	9.99E-05
8335	ALL	488413.4	3617949	NonCancer	9.33E-05	3.17E-07	5.87E-05	0.00E+00	0.00E+00	5.87E-05	3.17E-07	0.00E+00	3.17E-07	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	9.33E-05
8336	ALL	488392.2	3617937	NonCancer	8.65E-05	2.94E-07	5.44E-05	0.00E+00	0.00E+00	5.44E-05	2.94E-07	0.00E+00	2.94E-07	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	8.65E-05
8337	ALL	488371.1	3617925	NonCancer	8.35E-05	2.84E-07	5.26E-05	0.00E+00	0.00E+00	5.26E-05	2.84E-07	0.00E+00	2.84E-07	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	8.35E-05
8338	ALL	488350	3617914	NonCancer	8.05E-05	2.74E-07	5.07E-05	0.00E+00	0.00E+00	5.07E-05	2.74E-07	0.00E+00	2.74E-07	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00	8.05E-05
8339	ALL	488328.8	3617902	NonCancer	5.92E-04	2.01E-06	3.73E-04	0.00E+00	0.00E+00	3.73E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	5.92E-04
8340	ALL	488307.7	3617891	NonCancer	6.80E-04	2.31E-06	4.28E-04	0.00E+00	0.00E+00	4.28E-04	2.31E-06	0.00E+00	2.31E-06	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	6.80E-04
8341	ALL	488286.5	3617879	NonCancer	5.92E-04	2.01E-06	3.73E-04	0.00E+00	0.00E+00	3.73E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	5.92E-04
8342	ALL	488265.4	3617868	NonCancer	4.87E-04	1.66E-06	3.07E-04	0.00E+00	0.00E+00	3.07E-04	1.66E-06	0.00E+00	1.66E-06	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	4.87E-04
8343	ALL	488244.3	3617856	NonCancer	3.60E-04	1.22E-06	2.27E-04	0.00E+00	0.00E+00	2.27E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	3.60E-04
8344	ALL	488223.1	3617844	NonCancer	3.54E-04	1.20E-06	2.23E-04	0.00E+00	0.00E+00	2.23E-04	1.20E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	3.54E-04
8345	ALL	488202	3617833	NonCancer	4.32E-04	1.47E-06	2.72E-04	0.00E+00	0.00E+00	2.72E-04	1.47E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	4.32E-04
8346	ALL	488180.9	3617821	NonCancer	5.31E-04	1.80E-06	3.34E-04	0.00E+00	0.00E+00	3.34E-04	1.80E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	5.31E-04
8347	ALL	488159.7	3617810	NonCancer	6.22E-04	2.11E-06	3.92E-04	0.00E+00	0.00E+00	3.92E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	6.22E-04
8348	ALL	488138.6	3617798	NonCancer	6.80E-04	2.31E-06	4.28E-04	0.00E+00	0.00E+00	4.28E-04	2.31E-06	0.00E+00	2.31E-06	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	6.80E-04
8349	ALL	488117.5	3617787	NonCancer	7.23E-04	2.46E-06	4.55E-04	0.00E+00	0.00E+00	4.55E-04	2.46E-06	0.00E+00	2.46E-06	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	7.23E-04
8350	ALL	488096.3	3617775	NonCancer	7.59E-04	2.58E-06	4.78E-04	0.00E+00	0.00E+00	4.78E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	7.59E-04
8351	ALL	488075.2	3617763	NonCancer	7.69E-04	2.61E-06	4.84E-04	0.00E+00	0.00E+00	4.84E-04	2.61E-06	0.00E+00	2.61E-06	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	7.69E-04
8352	ALL	488054	3617752	NonCancer	7.18E-04	2.44E-06	4.52E-04	0.00E+00	0.00E+00	4.52E-04	2.44E-06	0.00E+00	2.44E-06	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	7.18E-04
8353	ALL	488032.9	3617740	NonCancer	6.19E-04	2.11E-06	3.90E-04	0.00E+00	0.00E+00	3.90E-04	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	6.19E-04
8354	ALL	488011.8	3617729	NonCancer	5.52E-04	1.88E-06	3.47E-04	0.00E+00	0.00E+00	3.47E-04	1.88E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	5.52E-04
8355	ALL	487990.6	3617717	NonCancer	5.20E-04	1.77E-06	3.28E-04	0.00E+00	0.00E+00	3.28E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	5.20E-04
8356	ALL	487969.5	3617706	NonCancer	5.35E-04	1.82E-06	3.37E-04	0.00E+00	0.00E+00	3.37E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	5.35E-04
8357	ALL	487948.4	3617694	NonCancer	5.41E-04	1.84E-06	3.41E-04	0.00E+00	0.00E+00	3.41E-04	1.84E-06	0.00E+00	1.84E-06	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	5.41E-04
8358	ALL	487927.2	3617682	NonCancer	5.37E-04	1.82E-06	3.38E-04	0.00E+00	0.00E+00	3.38E-04	1.82E-06	0.00E+00	1.82E-06	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	5.37E-04
8359	ALL	487906.1	3617671	NonCancer	5.20E-04	1.77E-06	3.27E-04	0.00E+00	0.00E+00	3.27E-04	1.77E-06	0.00E+00	1.77E-06	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	5.20E-04
8360	ALL	487885	3617659	NonCancer	6.08E-04	2.07E-06	3.83E-04	0.00E+00	0.00E+00	3.83E-04	2.07E-06	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	6.08E-04
8361	ALL	487863.8	3617648	NonCancer	6.89E-04	2.34E-06	4.34E-04	0.00E+00	0.00E+00	4.34E-04	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	6.89E-04
8362	ALL	487842.7	3617636	NonCancer	7.53E-04	2.56E-06	4.74E-04	0.00E+00	0.00E+00	4.74E-04	2.56E-06	0.00E+00	2.56E-06	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	7.53E-04
8363	ALL	487821.5	3617625	NonCancer	7.90E-04	2.69E-06	4.97E-04	0.00E+00	0.00E+00	4.97E-04	2.69E-06	0.00E+00	2.69E-06	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	7.90E-04
8364	ALL	487800.4	3617613	NonCancer	8.00E-04	2.72E-06	5.04E-04	0.00E+00	0.00E+00	5.04E-04	2.72E-06	0.00E+00	2.72E-06	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	8.00E-04
8365	ALL	487779.3	3617601	NonCancer	7.93E-04	2.70E-06	4.99E-04	0.00E+00	0.00E+00	4.99E-04	2.70E-06	0.00E+00	2.70E-06	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	7.93E-04
8366	ALL	487758.1	3617590	NonCancer	7.60E-04	2.58E-06	4.78E-04	0.00E+00	0.00E+00	4.78E-04	2.58E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	7.60E-04
8367	ALL	487737	3617578	NonCancer	7.41E-04	2.52E-06	4.66E-04	0.00E+00	0.00E+00	4.66E-04	2.52E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	7.41E-04
8368	ALL	487715.9	3617567	NonCancer	7.90E-04	2.69E-06	4.98E-04	0.00E+00	0.00E+00	4.98E-04	2.69E-06	0.00E+00	2.69E-06	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	7.90E-04
8369	ALL	487694.7	3617555	NonCancer	8.11E-04	2.76E-06	5.10E-04	0.00E+00	0.00E+00	5.10E-04	2.76E-06	0.00E+00	2.76E-06	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	8.11E-04
8370	ALL	487673.6	3617544	NonCancer	8.07E-04	2.74E-06	5.08E-04	0.00E+00	0.00E+00	5.08E-04	2.74E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	8.07E-04
8371	ALL	487652.5	3617532	NonCancer	8.33E-04	2.83E-06	5.24E-04	0.00E+00	0.00E+00	5.24E-04	2.83E-06	0.00E+00	2.83E-06	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	8.33E-04

8372	ALL	487631.3	3617520	NonCancer	8.41E-04	2.86E-06	5.30E-04	0.00E+00	0.00E+00	5.30E-04	2.86E-06	0.00E+00	2.86E-06	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	8.41E-04
8373	ALL	487610.2	3617509	NonCancer	8.83E-04	3.00E-06	5.56E-04	0.00E+00	0.00E+00	5.56E-04	3.00E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	8.83E-04
8374	ALL	487589.1	3617497	NonCancer	9.09E-04	3.09E-06	5.72E-04	0.00E+00	0.00E+00	5.72E-04	3.09E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	9.09E-04
8375	ALL	487567.9	3617486	NonCancer	8.18E-04	2.78E-06	5.15E-04	0.00E+00	0.00E+00	5.15E-04	2.78E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	8.18E-04
8376	ALL	487546.8	3617474	NonCancer	5.25E-04	1.78E-06	3.30E-04	0.00E+00	0.00E+00	3.30E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	5.25E-04
8377	ALL	487525.6	3617463	NonCancer	4.46E-04	1.52E-06	2.81E-04	0.00E+00	0.00E+00	2.81E-04	1.52E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.46E-04
8378	ALL	487504.5	3617451	NonCancer	5.92E-04	2.01E-06	3.73E-04	0.00E+00	0.00E+00	3.73E-04	2.01E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	5.92E-04
8379	ALL	487483.4	3617439	NonCancer	6.69E-04	2.27E-06	4.21E-04	0.00E+00	0.00E+00	4.21E-04	2.27E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	6.69E-04
8380	ALL	487462.2	3617428	NonCancer	6.58E-04	2.24E-06	4.14E-04	0.00E+00	0.00E+00	4.14E-04	2.24E-06	0.00E+00	2.24E-06	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	6.58E-04
8381	ALL	487441.1	3617416	NonCancer	7.25E-04	2.47E-06	4.57E-04	0.00E+00	0.00E+00	4.57E-04	2.47E-06	0.00E+00	2.47E-06	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	7.25E-04
8382	ALL	487420	3617405	NonCancer	7.62E-04	2.59E-06	4.80E-04	0.00E+00	0.00E+00	4.80E-04	2.59E-06	0.00E+00	2.59E-06	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	7.62E-04
8383	ALL	487398.8	3617393	NonCancer	7.87E-04	2.67E-06	4.95E-04	0.00E+00	0.00E+00	4.95E-04	2.67E-06	0.00E+00	2.67E-06	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	7.87E-04
8384	ALL	487377.7	3617381	NonCancer	7.82E-04	2.66E-06	4.92E-04	0.00E+00	0.00E+00	4.92E-04	2.66E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	7.82E-04
8385	ALL	487356.6	3617370	NonCancer	7.65E-04	2.60E-06	4.82E-04	0.00E+00	0.00E+00	4.82E-04	2.60E-06	0.00E+00	2.60E-06	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	7.65E-04
8386	ALL	487335.4	3617358	NonCancer	7.12E-04	2.42E-06	4.49E-04	0.00E+00	0.00E+00	4.49E-04	2.42E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	7.12E-04
8387	ALL	487314.3	3617347	NonCancer	6.63E-04	2.25E-06	4.17E-04	0.00E+00	0.00E+00	4.17E-04	2.25E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	6.63E-04
8388	ALL	487293.1	3617335	NonCancer	6.00E-04	2.04E-06	3.78E-04	0.00E+00	0.00E+00	3.78E-04	2.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	6.00E-04
8389	ALL	487272	3617324	NonCancer	5.24E-04	1.78E-06	3.30E-04	0.00E+00	0.00E+00	3.30E-04	1.78E-06	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	5.24E-04
8390	ALL	487250.9	3617312	NonCancer	4.42E-04	1.50E-06	2.78E-04	0.00E+00	0.00E+00	2.78E-04	1.50E-06	0.00E+00	1.50E-06	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	4.42E-04
8391	ALL	487229.7	3617300	NonCancer	4.13E-04	1.40E-06	2.60E-04	0.00E+00	0.00E+00	2.60E-04	1.40E-06	0.00E+00	1.40E-06	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	4.13E-04
8392	ALL	487208.6	3617289	NonCancer	3.56E-04	1.21E-06	2.24E-04	0.00E+00	0.00E+00	2.24E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.56E-04
8393	ALL	487187.5	3617277	NonCancer	3.55E-04	1.21E-06	2.24E-04	0.00E+00	0.00E+00	2.24E-04	1.21E-06	0.00E+00	1.21E-06	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.55E-04
8394	ALL	487166.3	3617266	NonCancer	3.46E-04	1.18E-06	2.18E-04	0.00E+00	0.00E+00	2.18E-04	1.18E-06	0.00E+00	1.18E-06	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	3.46E-04
8395	ALL	487145.2	3617254	NonCancer	3.19E-04	1.08E-06	2.01E-04	0.00E+00	0.00E+00	2.01E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.19E-04
8396	ALL	487124.1	3617243	NonCancer	3.68E-04	1.25E-06	2.32E-04	0.00E+00	0.00E+00	2.32E-04	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	3.68E-04
8397	ALL	487102.9	3617231	NonCancer	3.58E-04	1.22E-06	2.25E-04	0.00E+00	0.00E+00	2.25E-04	1.22E-06	0.00E+00	1.22E-06	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	3.58E-04
8398	ALL	487081.8	3617219	NonCancer	3.39E-04	1.15E-06	2.14E-04	0.00E+00	0.00E+00	2.14E-04	1.15E-06	0.00E+00	1.15E-06	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.39E-04
8399	ALL	487060.6	3617208	NonCancer	2.44E-04	8.29E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.29E-07	0.00E+00	8.29E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.44E-04
8400	ALL	487039.5	3617196	NonCancer	5.15E-05	1.75E-07	3.24E-05	0.00E+00	0.00E+00	3.24E-05	1.75E-07	0.00E+00	1.75E-07	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	5.15E-05
8401	ALL	487018.4	3617185	NonCancer	5.04E-05	1.71E-07	3.17E-05	0.00E+00	0.00E+00	3.17E-05	1.71E-07	0.00E+00	1.71E-07	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	5.04E-05
8402	ALL	486997.2	3617173	NonCancer	4.99E-05	1.70E-07	3.14E-05	0.00E+00	0.00E+00	3.14E-05	1.70E-07	0.00E+00	1.70E-07	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	4.99E-05
8403	ALL	486976.1	3617162	NonCancer	4.84E-05	1.65E-07	3.05E-05	0.00E+00	0.00E+00	3.05E-05	1.65E-07	0.00E+00	1.65E-07	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	4.84E-05
8404	ALL	486955	3617150	NonCancer	4.76E-05	1.62E-07	3.00E-05	0.00E+00	0.00E+00	3.00E-05	1.62E-07	0.00E+00	1.62E-07	0.00E+00	0.00E+00	3.00E-05	0.00E+00	0.00E+00	4.76E-05
8405	ALL	486933.8	3617138	NonCancer	4.69E-05	1.59E-07	2.95E-05	0.00E+00	0.00E+00	2.95E-05	1.59E-07	0.00E+00	1.59E-07	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	4.69E-05
8406	ALL	486912.7	3617127	NonCancer	4.61E-05	1.57E-07	2.90E-05	0.00E+00	0.00E+00	2.90E-05	1.57E-07	0.00E+00	1.57E-07	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	4.61E-05
8407	ALL	486891.6	3617115	NonCancer	4.50E-05	1.53E-07	2.83E-05	0.00E+00	0.00E+00	2.83E-05	1.53E-07	0.00E+00	1.53E-07	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	4.50E-05
8408	ALL	486870.4	3617104	NonCancer	4.38E-05	1.49E-07	2.76E-05	0.00E+00	0.00E+00	2.76E-05	1.49E-07	0.00E+00	1.49E-07	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	4.38E-05
8409	ALL	486849.3	3617092	NonCancer	4.24E-05	1.44E-07	2.67E-05	0.00E+00	0.00E+00	2.67E-05	1.44E-07	0.00E+00	1.44E-07	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	4.24E-05
8410	ALL	486828.1	3617081	NonCancer	4.08E-05	1.39E-07	2.57E-05	0.00E+00	0.00E+00	2.57E-05	1.39E-07	0.00E+00	1.39E-07	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	4.08E-05
8411	ALL	486807	3617069	NonCancer	4.24E-05	1.44E-07	2.67E-05	0.00E+00	0.00E+00	2.67E-05	1.44E-07	0.00E+00	1.44E-07	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	4.24E-05
8412	ALL	486785.9	3617057	NonCancer	4.77E-05	1.62E-07	3.01E-05	0.00E+00	0.00E+00	3.01E-05	1.62E-07	0.00E+00	1.62E-07	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	4.77E-05
8413	ALL	486764.7	3617046	NonCancer	5.32E-05	1.81E-07	3.35E-05	0.00E+00	0.00E+00	3.35E-05	1.81E-07	0.00E+00	1.81E-07	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	5.32E-05
8414	ALL	486743.6	3617034	NonCancer	5.91E-05	2.01E-07	3.72E-05	0.00E+00	0.00E+00	3.72E-05	2.01E-07	0.00E+00	2.01E-07	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	5.91E-05
8415	ALL	486722.5	3617023	NonCancer	6.51E-05	2.21E-07	4.10E-05	0.00E+00	0.00E+00	4.10E-05	2.21E-07	0.00E+00	2.21E-07	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	6.51E-05
8416	ALL	486701.3	3617011	NonCancer	7.11E-05	2.42E-07	4.48E-05	0.00E+00	0.00E+00	4.48E-05	2.42E-07	0.00E+00	2.42E-07	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	7.11E-05
8417	ALL	486680.2	3617000	NonCancer	7.70E-05	2.62E-07	4.85E-05	0.00E+00	0.00E+00	4.85E-05	2.62E-07	0.00E+00	2.62E-07	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	7.70E-05
8418	ALL	486659.1	3616988	NonCancer	8.28E-05	2.82E-07	5.22E-05	0.00E+00	0.00E+00	5.22E-05	2.82E-07	0.00E+00	2.82E-07	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00	8.28E-05
8419	ALL	486637.9	3616976	NonCancer	8.85E-05	3.01E-07	5.57E-05	0.00E+00	0.00E+00	5.57E-05	3.01E-07	0.00E+00	3.01E-07	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	8.85E-05
8420	ALL	486616.8	3616965	NonCancer	9.30E-05	3.16E-07	5.86E-05	0.00E+00	0.00E+00	5.86E-05	3.16E-07	0.00E+00	3.16E-07	0.00E+00	0.00E+00	5.86E-05	0.00E+00	0.00E+00	9.30E-05
8421	ALL	486595.7	3616953	NonCancer	9.74E-05	3.31E-07	6.13E-05	0.00E+00	0.00E+00	6.13E-05	3.31E-07	0.00E+00	3.31E-07	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	9.74E-05
8422	ALL	486574.5	3616942	NonCancer	1.02E-04	3.46E-07	6.41E-05	0.00E+00	0.00E+00	6.41E-05	3.46E-07	0.00E+00	3.46E-07	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00	1.02E-04
8423	ALL	486553.4	3616930	NonCancer	1.06E-04	3.59E-07	6.65E-05	0.00E+00	0.00E+00	6.65E-05	3.59E-07	0.00E+00	3.59E-07	0.00E+00	0.00E+00	6.65E-05	0.00E+00	0.00E+00	1.06E-04

8424	ALL	486532.2	3616919	NonCancer	1.09E-04	3.70E-07	6.86E-05	0.00E+00	0.00E+00	6.86E-05	3.70E-07	0.00E+00	3.70E-07	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00	1.09E-04
8425	ALL	486511.1	3616907	NonCancer	1.11E-04	3.79E-07	7.02E-05	0.00E+00	0.00E+00	7.02E-05	3.79E-07	0.00E+00	3.79E-07	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	1.11E-04
8426	ALL	486490	3616895	NonCancer	1.13E-04	3.85E-07	7.14E-05	0.00E+00	0.00E+00	7.14E-05	3.85E-07	0.00E+00	3.85E-07	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00	1.13E-04
8427	ALL	486468.8	3616884	NonCancer	1.14E-04	3.89E-07	7.20E-05	0.00E+00	0.00E+00	7.20E-05	3.89E-07	0.00E+00	3.89E-07	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	1.14E-04
8428	ALL	486447.7	3616872	NonCancer	1.15E-04	3.90E-07	7.23E-05	0.00E+00	0.00E+00	7.23E-05	3.90E-07	0.00E+00	3.90E-07	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	1.15E-04
8429	ALL	486426.6	3616861	NonCancer	1.14E-04	3.89E-07	7.20E-05	0.00E+00	0.00E+00	7.20E-05	3.89E-07	0.00E+00	3.89E-07	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	1.14E-04
8430	ALL	486405.4	3616849	NonCancer	1.13E-04	3.85E-07	7.12E-05	0.00E+00	0.00E+00	7.12E-05	3.85E-07	0.00E+00	3.85E-07	0.00E+00	0.00E+00	7.12E-05	0.00E+00	0.00E+00	1.13E-04
8431	ALL	486384.3	3616838	NonCancer	1.11E-04	3.78E-07	7.00E-05	0.00E+00	0.00E+00	7.00E-05	3.78E-07	0.00E+00	3.78E-07	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	1.11E-04
8432	ALL	486363.2	3616826	NonCancer	1.09E-04	3.69E-07	6.83E-05	0.00E+00	0.00E+00	6.83E-05	3.69E-07	0.00E+00	3.69E-07	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	1.09E-04
8433	ALL	486342	3616814	NonCancer	1.05E-04	3.58E-07	6.63E-05	0.00E+00	0.00E+00	6.63E-05	3.58E-07	0.00E+00	3.58E-07	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	1.05E-04
8434	ALL	486320.9	3616803	NonCancer	1.01E-04	3.45E-07	6.39E-05	0.00E+00	0.00E+00	6.39E-05	3.45E-07	0.00E+00	3.45E-07	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	1.01E-04
8435	ALL	486299.7	3616791	NonCancer	9.72E-05	3.30E-07	6.12E-05	0.00E+00	0.00E+00	6.12E-05	3.30E-07	0.00E+00	3.30E-07	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	9.72E-05
8436	ALL	486278.6	3616780	NonCancer	9.25E-05	3.14E-07	5.82E-05	0.00E+00	0.00E+00	5.82E-05	3.14E-07	0.00E+00	3.14E-07	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00	9.25E-05
8437	ALL	486257.5	3616768	NonCancer	8.75E-05	2.97E-07	5.51E-05	0.00E+00	0.00E+00	5.51E-05	2.97E-07	0.00E+00	2.97E-07	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	8.75E-05
8438	ALL	486236.3	3616757	NonCancer	8.22E-05	2.80E-07	5.18E-05	0.00E+00	0.00E+00	5.18E-05	2.80E-07	0.00E+00	2.80E-07	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	8.22E-05
8439	ALL	486215.2	3616745	NonCancer	7.68E-05	2.61E-07	4.84E-05	0.00E+00	0.00E+00	4.84E-05	2.61E-07	0.00E+00	2.61E-07	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	7.68E-05
8440	ALL	486194.1	3616733	NonCancer	7.13E-05	2.43E-07	4.49E-05	0.00E+00	0.00E+00	4.49E-05	2.43E-07	0.00E+00	2.43E-07	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00	7.13E-05
8441	ALL	486172.9	3616722	NonCancer	7.01E-05	2.38E-07	4.41E-05	0.00E+00	0.00E+00	4.41E-05	2.38E-07	0.00E+00	2.38E-07	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00	7.01E-05
8442	ALL	486151.8	3616710	NonCancer	7.30E-05	2.48E-07	4.59E-05	0.00E+00	0.00E+00	4.59E-05	2.48E-07	0.00E+00	2.48E-07	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	7.30E-05
8443	ALL	486130.7	3616699	NonCancer	7.56E-05	2.57E-07	4.76E-05	0.00E+00	0.00E+00	4.76E-05	2.57E-07	0.00E+00	2.57E-07	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	7.56E-05
8444	ALL	486109.5	3616687	NonCancer	7.78E-05	2.64E-07	4.90E-05	0.00E+00	0.00E+00	4.90E-05	2.64E-07	0.00E+00	2.64E-07	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	7.78E-05
8445	ALL	486081.7	3616652	NonCancer	8.14E-05	2.77E-07	5.12E-05	0.00E+00	0.00E+00	5.12E-05	2.77E-07	0.00E+00	2.77E-07	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	8.14E-05
8446	ALL	486075	3616629	NonCancer	8.27E-05	2.81E-07	5.21E-05	0.00E+00	0.00E+00	5.21E-05	2.81E-07	0.00E+00	2.81E-07	0.00E+00	0.00E+00	5.21E-05	0.00E+00	0.00E+00	8.27E-05
8447	ALL	486068.2	3616606	NonCancer	8.35E-05	2.84E-07	5.26E-05	0.00E+00	0.00E+00	5.26E-05	2.84E-07	0.00E+00	2.84E-07	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	8.35E-05
8448	ALL	486061.5	3616583	NonCancer	8.39E-05	2.85E-07	5.28E-05	0.00E+00	0.00E+00	5.28E-05	2.85E-07	0.00E+00	2.85E-07	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00	8.39E-05
8449	ALL	486054.8	3616560	NonCancer	8.38E-05	2.85E-07	5.28E-05	0.00E+00	0.00E+00	5.28E-05	2.85E-07	0.00E+00	2.85E-07	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00	8.38E-05
8450	ALL	486048.1	3616537	NonCancer	8.33E-05	2.83E-07	5.24E-05	0.00E+00	0.00E+00	5.24E-05	2.83E-07	0.00E+00	2.83E-07	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	8.33E-05
8451	ALL	486041.4	3616513	NonCancer	8.22E-05	2.79E-07	5.18E-05	0.00E+00	0.00E+00	5.18E-05	2.79E-07	0.00E+00	2.79E-07	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	8.22E-05
8452	ALL	486034.7	3616490	NonCancer	8.07E-05	2.74E-07	5.08E-05	0.00E+00	0.00E+00	5.08E-05	2.74E-07	0.00E+00	2.74E-07	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	8.07E-05
8453	ALL	486028	3616467	NonCancer	7.87E-05	2.68E-07	4.96E-05	0.00E+00	0.00E+00	4.96E-05	2.68E-07	0.00E+00	2.68E-07	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	7.87E-05
8454	ALL	486021.3	3616444	NonCancer	7.63E-05	2.60E-07	4.81E-05	0.00E+00	0.00E+00	4.81E-05	2.60E-07	0.00E+00	2.60E-07	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00	7.63E-05
8455	ALL	486014.5	3616421	NonCancer	7.36E-05	2.50E-07	4.63E-05	0.00E+00	0.00E+00	4.63E-05	2.50E-07	0.00E+00	2.50E-07	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	7.36E-05
8456	ALL	486007.8	3616398	NonCancer	7.05E-05	2.40E-07	4.44E-05	0.00E+00	0.00E+00	4.44E-05	2.40E-07	0.00E+00	2.40E-07	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	7.05E-05
8457	ALL	486001.1	3616375	NonCancer	6.87E-05	2.34E-07	4.33E-05	0.00E+00	0.00E+00	4.33E-05	2.34E-07	0.00E+00	2.34E-07	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	6.87E-05
8458	ALL	485994.4	3616351	NonCancer	7.12E-05	2.42E-07	4.48E-05	0.00E+00	0.00E+00	4.48E-05	2.42E-07	0.00E+00	2.42E-07	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	7.12E-05
8459	ALL	485987.7	3616328	NonCancer	7.80E-05	2.65E-07	4.91E-05	0.00E+00	0.00E+00	4.91E-05	2.65E-07	0.00E+00	2.65E-07	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	7.80E-05
8460	ALL	485981	3616305	NonCancer	8.48E-05	2.88E-07	5.34E-05	0.00E+00	0.00E+00	5.34E-05	2.88E-07	0.00E+00	2.88E-07	0.00E+00	0.00E+00	5.34E-05	0.00E+00	0.00E+00	8.48E-05
8461	ALL	485974.3	3616282	NonCancer	9.17E-05	3.12E-07	5.77E-05	0.00E+00	0.00E+00	5.77E-05	3.12E-07	0.00E+00	3.12E-07	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	9.17E-05
8462	ALL	485967.6	3616259	NonCancer	9.84E-05	3.34E-07	6.19E-05	0.00E+00	0.00E+00	6.19E-05	3.34E-07	0.00E+00	3.34E-07	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	9.84E-05
8463	ALL	485960.8	3616236	NonCancer	1.05E-04	3.56E-07	6.60E-05	0.00E+00	0.00E+00	6.60E-05	3.56E-07	0.00E+00	3.56E-07	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	1.05E-04
8464	ALL	485954.1	3616213	NonCancer	1.11E-04	3.77E-07	6.98E-05	0.00E+00	0.00E+00	6.98E-05	3.77E-07	0.00E+00	3.77E-07	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	1.11E-04
8465	ALL	485947.4	3616189	NonCancer	1.16E-04	3.96E-07	7.33E-05	0.00E+00	0.00E+00	7.33E-05	3.96E-07	0.00E+00	3.96E-07	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	1.16E-04
8466	ALL	485940.7	3616166	NonCancer	1.21E-04	4.13E-07	7.65E-05	0.00E+00	0.00E+00	7.65E-05	4.13E-07	0.00E+00	4.13E-07	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	1.21E-04
8467	ALL	485934	3616143	NonCancer	1.26E-04	4.28E-07	7.92E-05	0.00E+00	0.00E+00	7.92E-05	4.28E-07	0.00E+00	4.28E-07	0.00E+00	0.00E+00	7.92E-05	0.00E+00	0.00E+00	1.26E-04
8468	ALL	485927.3	3616120	NonCancer	1.29E-04	4.40E-07	8.14E-05	0.00E+00	0.00E+00	8.14E-05	4.40E-07	0.00E+00	4.40E-07	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	1.29E-04
8469	ALL	485920.6	3616097	NonCancer	1.32E-04	4.48E-07	8.30E-05	0.00E+00	0.00E+00	8.30E-05	4.48E-07	0.00E+00	4.48E-07	0.00E+00	0.00E+00	8.30E-05	0.00E+00	0.00E+00	1.32E-04
8470	ALL	485913.9	3616074	NonCancer	1.34E-04	4.54E-07	8.41E-05	0.00E+00	0.00E+00	8.41E-05	4.54E-07	0.00E+00	4.54E-07	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	1.34E-04
8471	ALL	485907.1	3616051	NonCancer	1.34E-04	4.57E-07	8.45E-05	0.00E+00	0.00E+00	8.45E-05	4.57E-07	0.00E+00	4.57E-07	0.00E+00	0.00E+00	8.45E-05	0.00E+00	0.00E+00	1.34E-04
8472	ALL	485900.4	3616027	NonCancer	1.34E-04	4.56E-07	8.44E-05	0.00E+00	0.00E+00	8.44E-05	4.56E-07	0.00E+00	4.56E-07	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00	1.34E-04
8473	ALL	485893.7	3616004	NonCancer	1.33E-04	4.51E-07	8.35E-05	0.00E+00	0.00E+00	8.35E-05	4.51E-07	0.00E+00	4.51E-07	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	1.33E-04
8474	ALL	485887	3615981	NonCancer	1.31E-04	4.46E-07	8.25E-05	0.00E+00	0.00E+00	8.25E-05	4.46E-07	0.00E+00	4.46E-07	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	1.31E-04
8475	ALL	485880.3	3615958	NonCancer	1.34E-04	4.54E-07	8.41E-05	0.00E+00	0.00E+00	8.41E-05	4.54E-07	0.00E+00	4.54E-07	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	1.34E-04

8476	ALL	485873.6	3615935	NonCancer	1.35E-04	4.59E-07	8.50E-05	0.00E+00	0.00E+00	8.50E-05	4.59E-07	0.00E+00	4.59E-07	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	1.35E-04
8477	ALL	485866.9	3615912	NonCancer	1.35E-04	4.60E-07	8.52E-05	0.00E+00	0.00E+00	8.52E-05	4.60E-07	0.00E+00	4.60E-07	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00	1.35E-04
8478	ALL	485860.1	3615889	NonCancer	1.35E-04	4.57E-07	8.47E-05	0.00E+00	0.00E+00	8.47E-05	4.57E-07	0.00E+00	4.57E-07	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00	1.35E-04
8479	ALL	485853.4	3615865	NonCancer	1.32E-04	4.50E-07	8.34E-05	0.00E+00	0.00E+00	8.34E-05	4.50E-07	0.00E+00	4.50E-07	0.00E+00	0.00E+00	8.34E-05	0.00E+00	0.00E+00	1.32E-04
8480	ALL	485846.7	3615842	NonCancer	1.29E-04	4.40E-07	8.14E-05	0.00E+00	0.00E+00	8.14E-05	4.40E-07	0.00E+00	4.40E-07	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	1.29E-04
8481	ALL	485840	3615819	NonCancer	1.25E-04	4.26E-07	7.88E-05	0.00E+00	0.00E+00	7.88E-05	4.26E-07	0.00E+00	4.26E-07	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00	1.25E-04
8482	ALL	485833.3	3615796	NonCancer	1.23E-04	4.17E-07	7.71E-05	0.00E+00	0.00E+00	7.71E-05	4.17E-07	0.00E+00	4.17E-07	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	1.23E-04
8483	ALL	485826.6	3615773	NonCancer	1.36E-04	4.64E-07	8.58E-05	0.00E+00	0.00E+00	8.58E-05	4.64E-07	0.00E+00	4.64E-07	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	1.36E-04
8484	ALL	485819.9	3615750	NonCancer	1.50E-04	5.11E-07	9.46E-05	0.00E+00	0.00E+00	9.46E-05	5.11E-07	0.00E+00	5.11E-07	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	1.50E-04
8485	ALL	485813.2	3615727	NonCancer	1.64E-04	5.58E-07	1.03E-04	0.00E+00	0.00E+00	1.03E-04	5.58E-07	0.00E+00	5.58E-07	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	1.64E-04
8486	ALL	485806.4	3615703	NonCancer	1.77E-04	6.02E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.02E-07	0.00E+00	6.02E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.77E-04
8487	ALL	485799.7	3615680	NonCancer	1.89E-04	6.44E-07	1.19E-04	0.00E+00	0.00E+00	1.19E-04	6.44E-07	0.00E+00	6.44E-07	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.89E-04
8488	ALL	485793	3615657	NonCancer	2.00E-04	6.81E-07	1.26E-04	0.00E+00	0.00E+00	1.26E-04	6.81E-07	0.00E+00	6.81E-07	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	2.00E-04
8489	ALL	485786.3	3615634	NonCancer	2.10E-04	7.13E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.13E-07	0.00E+00	7.13E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.10E-04
8490	ALL	485779.6	3615611	NonCancer	2.17E-04	7.38E-07	1.37E-04	0.00E+00	0.00E+00	1.37E-04	7.38E-07	0.00E+00	7.38E-07	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	2.17E-04
8491	ALL	485772.9	3615588	NonCancer	2.22E-04	7.56E-07	1.40E-04	0.00E+00	0.00E+00	1.40E-04	7.56E-07	0.00E+00	7.56E-07	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	2.22E-04
8492	ALL	485766.2	3615565	NonCancer	2.25E-04	7.66E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.66E-07	0.00E+00	7.66E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.25E-04
8493	ALL	485759.5	3615541	NonCancer	2.26E-04	7.68E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.68E-07	0.00E+00	7.68E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.26E-04
8494	ALL	485752.7	3615518	NonCancer	2.24E-04	7.62E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.62E-07	0.00E+00	7.62E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.24E-04
8495	ALL	485746	3615495	NonCancer	2.20E-04	7.47E-07	1.38E-04	0.00E+00	0.00E+00	1.38E-04	7.47E-07	0.00E+00	7.47E-07	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	2.20E-04
8496	ALL	485739.3	3615472	NonCancer	2.13E-04	7.25E-07	1.34E-04	0.00E+00	0.00E+00	1.34E-04	7.25E-07	0.00E+00	7.25E-07	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	2.13E-04
8497	ALL	485732.6	3615449	NonCancer	2.05E-04	6.96E-07	1.29E-04	0.00E+00	0.00E+00	1.29E-04	6.96E-07	0.00E+00	6.96E-07	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	2.05E-04
8498	ALL	485725.9	3615426	NonCancer	1.94E-04	6.60E-07	1.22E-04	0.00E+00	0.00E+00	1.22E-04	6.60E-07	0.00E+00	6.60E-07	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	1.94E-04
8499	ALL	485719.2	3615403	NonCancer	1.82E-04	6.20E-07	1.15E-04	0.00E+00	0.00E+00	1.15E-04	6.20E-07	0.00E+00	6.20E-07	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	1.82E-04
8500	ALL	485712.5	3615379	NonCancer	1.69E-04	5.76E-07	1.07E-04	0.00E+00	0.00E+00	1.07E-04	5.76E-07	0.00E+00	5.76E-07	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	1.69E-04
8501	ALL	485705.8	3615356	NonCancer	1.67E-04	5.67E-07	1.05E-04	0.00E+00	0.00E+00	1.05E-04	5.67E-07	0.00E+00	5.67E-07	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.67E-04
8502	ALL	485699	3615333	NonCancer	1.80E-04	6.11E-07	1.13E-04	0.00E+00	0.00E+00	1.13E-04	6.11E-07	0.00E+00	6.11E-07	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	1.80E-04
8503	ALL	485692.3	3615310	NonCancer	1.92E-04	6.52E-07	1.21E-04	0.00E+00	0.00E+00	1.21E-04	6.52E-07	0.00E+00	6.52E-07	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.92E-04
8504	ALL	485685.6	3615287	NonCancer	2.02E-04	6.88E-07	1.27E-04	0.00E+00	0.00E+00	1.27E-04	6.88E-07	0.00E+00	6.88E-07	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	2.02E-04
8505	ALL	485678.9	3615264	NonCancer	2.11E-04	7.18E-07	1.33E-04	0.00E+00	0.00E+00	1.33E-04	7.18E-07	0.00E+00	7.18E-07	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.11E-04
8506	ALL	485672.2	3615241	NonCancer	2.18E-04	7.41E-07	1.37E-04	0.00E+00	0.00E+00	1.37E-04	7.41E-07	0.00E+00	7.41E-07	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	2.18E-04
8507	ALL	485665.5	3615217	NonCancer	2.23E-04	7.57E-07	1.40E-04	0.00E+00	0.00E+00	1.40E-04	7.57E-07	0.00E+00	7.57E-07	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	2.23E-04
8508	ALL	485658.8	3615194	NonCancer	2.25E-04	7.65E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.65E-07	0.00E+00	7.65E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.25E-04
8509	ALL	485652	3615171	NonCancer	2.25E-04	7.64E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.64E-07	0.00E+00	7.64E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.25E-04
8510	ALL	485645.3	3615148	NonCancer	2.22E-04	7.56E-07	1.40E-04	0.00E+00	0.00E+00	1.40E-04	7.56E-07	0.00E+00	7.56E-07	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	2.22E-04
8511	ALL	485638.6	3615125	NonCancer	2.17E-04	7.39E-07	1.37E-04	0.00E+00	0.00E+00	1.37E-04	7.39E-07	0.00E+00	7.39E-07	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	2.17E-04
8512	ALL	485631.9	3615102	NonCancer	2.10E-04	7.15E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.15E-07	0.00E+00	7.15E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.10E-04
8513	ALL	485625.2	3615079	NonCancer	2.01E-04	6.84E-07	1.27E-04	0.00E+00	0.00E+00	1.27E-04	6.84E-07	0.00E+00	6.84E-07	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	2.01E-04
8514	ALL	485618.5	3615055	NonCancer	1.91E-04	6.48E-07	1.20E-04	0.00E+00	0.00E+00	1.20E-04	6.48E-07	0.00E+00	6.48E-07	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	1.91E-04
8515	ALL	485611.8	3615032	NonCancer	1.79E-04	6.07E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.07E-07	0.00E+00	6.07E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.79E-04
8516	ALL	485605.1	3615009	NonCancer	1.69E-04	5.73E-07	1.06E-04	0.00E+00	0.00E+00	1.06E-04	5.73E-07	0.00E+00	5.73E-07	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.69E-04
8517	ALL	485598.3	3614986	NonCancer	1.59E-04	5.41E-07	1.00E-04	0.00E+00	0.00E+00	1.00E-04	5.41E-07	0.00E+00	5.41E-07	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	1.59E-04
8518	ALL	485591.6	3614963	NonCancer	1.49E-04	5.05E-07	9.36E-05	0.00E+00	0.00E+00	9.36E-05	5.05E-07	0.00E+00	5.05E-07	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	1.49E-04
8519	ALL	485584.9	3614940	NonCancer	1.37E-04	4.67E-07	8.65E-05	0.00E+00	0.00E+00	8.65E-05	4.67E-07	0.00E+00	4.67E-07	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00	1.37E-04
8520	ALL	485578.2	3614917	NonCancer	1.30E-04	4.42E-07	8.18E-05	0.00E+00	0.00E+00	8.18E-05	4.42E-07	0.00E+00	4.42E-07	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	1.30E-04
8521	ALL	485571.5	3614893	NonCancer	1.31E-04	4.46E-07	8.25E-05	0.00E+00	0.00E+00	8.25E-05	4.46E-07	0.00E+00	4.46E-07	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	1.31E-04
8522	ALL	485564.8	3614870	NonCancer	1.31E-04	4.46E-07	8.26E-05	0.00E+00	0.00E+00	8.26E-05	4.46E-07	0.00E+00	4.46E-07	0.00E+00	0.00E+00	8.26E-05	0.00E+00	0.00E+00	1.31E-04
8523	ALL	485558.1	3614847	NonCancer	1.30E-04	4.42E-07	8.19E-05	0.00E+00	0.00E+00	8.19E-05	4.42E-07	0.00E+00	4.42E-07	0.00E+00	0.00E+00	8.19E-05	0.00E+00	0.00E+00	1.30E-04
8524	ALL	485551.4	3614824	NonCancer	1.31E-04	4.44E-07	8.22E-05	0.00E+00	0.00E+00	8.22E-05	4.44E-07	0.00E+00	4.44E-07	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	1.31E-04
8525	ALL	485544.6	3614801	NonCancer	1.30E-04	4.43E-07	8.20E-05	0.00E+00	0.00E+00	8.20E-05	4.43E-07	0.00E+00	4.43E-07	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00	1.30E-04
8526	ALL	485537.9	3614778	NonCancer	1.33E-04	4.52E-07	8.37E-05	0.00E+00	0.00E+00	8.37E-05	4.52E-07	0.00E+00	4.52E-07	0.00E+00	0.00E+00	8.37E-05	0.00E+00	0.00E+00	1.33E-04
8527	ALL	485531.2	3614755	NonCancer	1.45E-04	4.93E-07	9.13E-05	0.00E+00	0.00E+00	9.13E-05	4.93E-07	0.00E+00	4.93E-07	0.00E+00	0.00E+00	9.13E-05	0.00E+00	0.00E+00	1.45E-04

8528	ALL	485524.5	3614731	NonCancer	1.57E-04	5.33E-07	9.87E-05	0.00E+00	0.00E+00	9.87E-05	5.33E-07	0.00E+00	5.33E-07	0.00E+00	0.00E+00	9.87E-05	0.00E+00	0.00E+00	1.57E-04
8529	ALL	485517.8	3614708	NonCancer	1.68E-04	5.70E-07	1.06E-04	0.00E+00	0.00E+00	1.06E-04	5.70E-07	0.00E+00	5.70E-07	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.68E-04
8530	ALL	485511.1	3614685	NonCancer	1.77E-04	6.03E-07	1.12E-04	0.00E+00	0.00E+00	1.12E-04	6.03E-07	0.00E+00	6.03E-07	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.77E-04
8531	ALL	485504.4	3614662	NonCancer	1.88E-04	6.39E-07	1.18E-04	0.00E+00	0.00E+00	1.18E-04	6.39E-07	0.00E+00	6.39E-07	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.88E-04
8532	ALL	485497.7	3614639	NonCancer	2.01E-04	6.83E-07	1.26E-04	0.00E+00	0.00E+00	1.26E-04	6.83E-07	0.00E+00	6.83E-07	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	2.01E-04
8533	ALL	485490.9	3614616	NonCancer	2.12E-04	7.22E-07	1.34E-04	0.00E+00	0.00E+00	1.34E-04	7.22E-07	0.00E+00	7.22E-07	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	2.12E-04
8534	ALL	485484.2	3614593	NonCancer	2.22E-04	7.55E-07	1.40E-04	0.00E+00	0.00E+00	1.40E-04	7.55E-07	0.00E+00	7.55E-07	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	2.22E-04
8535	ALL	485477.5	3614569	NonCancer	2.30E-04	7.81E-07	1.45E-04	0.00E+00	0.00E+00	1.45E-04	7.81E-07	0.00E+00	7.81E-07	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.30E-04
8536	ALL	485470.8	3614546	NonCancer	2.35E-04	8.00E-07	1.48E-04	0.00E+00	0.00E+00	1.48E-04	8.00E-07	0.00E+00	8.00E-07	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	2.35E-04
8537	ALL	485464.1	3614523	NonCancer	2.38E-04	8.10E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04	8.10E-07	0.00E+00	8.10E-07	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	2.38E-04
8538	ALL	485457.4	3614500	NonCancer	2.39E-04	8.12E-07	1.50E-04	0.00E+00	0.00E+00	1.50E-04	8.12E-07	0.00E+00	8.12E-07	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	2.39E-04
8539	ALL	485450.7	3614477	NonCancer	2.37E-04	8.05E-07	1.49E-04	0.00E+00	0.00E+00	1.49E-04	8.05E-07	0.00E+00	8.05E-07	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	2.37E-04
8540	ALL	485444	3614454	NonCancer	2.32E-04	7.90E-07	1.46E-04	0.00E+00	0.00E+00	1.46E-04	7.90E-07	0.00E+00	7.90E-07	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	2.32E-04
8541	ALL	485437.2	3614431	NonCancer	2.26E-04	7.68E-07	1.42E-04	0.00E+00	0.00E+00	1.42E-04	7.68E-07	0.00E+00	7.68E-07	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.26E-04
8542	ALL	485430.5	3614407	NonCancer	2.17E-04	7.38E-07	1.37E-04	0.00E+00	0.00E+00	1.37E-04	7.38E-07	0.00E+00	7.38E-07	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	2.17E-04
8543	ALL	485423.8	3614384	NonCancer	2.10E-04	7.16E-07	1.33E-04	0.00E+00	0.00E+00	1.33E-04	7.16E-07	0.00E+00	7.16E-07	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.10E-04
8544	ALL	485417.1	3614361	NonCancer	2.10E-04	7.14E-07	1.32E-04	0.00E+00	0.00E+00	1.32E-04	7.14E-07	0.00E+00	7.14E-07	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	2.10E-04
8545	ALL	485410.4	3614338	NonCancer	2.07E-04	7.04E-07	1.30E-04	0.00E+00	0.00E+00	1.30E-04	7.04E-07	0.00E+00	7.04E-07	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	2.07E-04
8546	ALL	485403.7	3614315	NonCancer	2.02E-04	6.88E-07	1.27E-04	0.00E+00	0.00E+00	1.27E-04	6.88E-07	0.00E+00	6.88E-07	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	2.02E-04
8547	ALL	485397	3614292	NonCancer	2.24E-04	7.62E-07	1.41E-04	0.00E+00	0.00E+00	1.41E-04	7.62E-07	0.00E+00	7.62E-07	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.24E-04
8548	ALL	485390.2	3614269	NonCancer	2.45E-04	8.34E-07	1.54E-04	0.00E+00	0.00E+00	1.54E-04	8.34E-07	0.00E+00	8.34E-07	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.45E-04
8549	ALL	485383.5	3614245	NonCancer	2.65E-04	9.02E-07	1.67E-04	0.00E+00	0.00E+00	1.67E-04	9.02E-07	0.00E+00	9.02E-07	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.65E-04
8550	ALL	485376.8	3614222	NonCancer	2.83E-04	9.62E-07	1.78E-04	0.00E+00	0.00E+00	1.78E-04	9.62E-07	0.00E+00	9.62E-07	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	2.83E-04
8551	ALL	485370.1	3614199	NonCancer	2.98E-04	1.01E-06	1.88E-04	0.00E+00	0.00E+00	1.88E-04	1.01E-06	0.00E+00	1.01E-06	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.98E-04
8552	ALL	485363.4	3614176	NonCancer	3.10E-04	1.05E-06	1.95E-04	0.00E+00	0.00E+00	1.95E-04	1.05E-06	0.00E+00	1.05E-06	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	3.10E-04
8553	ALL	485356.7	3614153	NonCancer	3.18E-04	1.08E-06	2.00E-04	0.00E+00	0.00E+00	2.00E-04	1.08E-06	0.00E+00	1.08E-06	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	3.18E-04
8554	ALL	485350	3614130	NonCancer	3.23E-04	1.10E-06	2.03E-04	0.00E+00	0.00E+00	2.03E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	3.23E-04
8555	ALL	485343.3	3614107	NonCancer	3.24E-04	1.10E-06	2.04E-04	0.00E+00	0.00E+00	2.04E-04	1.10E-06	0.00E+00	1.10E-06	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	3.24E-04
8556	ALL	485336.5	3614083	NonCancer	3.21E-04	1.09E-06	2.02E-04	0.00E+00	0.00E+00	2.02E-04	1.09E-06	0.00E+00	1.09E-06	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	3.21E-04
8557	ALL	485329.8	3614060	NonCancer	3.14E-04	1.07E-06	1.97E-04	0.00E+00	0.00E+00	1.97E-04	1.07E-06	0.00E+00	1.07E-06	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	3.14E-04
8558	ALL	485323.1	3614037	NonCancer	3.03E-04	1.03E-06	1.91E-04	0.00E+00	0.00E+00	1.91E-04	1.03E-06	0.00E+00	1.03E-06	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	3.03E-04
8559	ALL	485316.4	3614014	NonCancer	2.89E-04	9.84E-07	1.82E-04	0.00E+00	0.00E+00	1.82E-04	9.84E-07	0.00E+00	9.84E-07	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.89E-04
8560	ALL	485309.7	3613991	NonCancer	2.73E-04	9.28E-07	1.72E-04	0.00E+00	0.00E+00	1.72E-04	9.28E-07	0.00E+00	9.28E-07	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	2.73E-04
8561	ALL	485303	3613968	NonCancer	2.54E-04	8.65E-07	1.60E-04	0.00E+00	0.00E+00	1.60E-04	8.65E-07	0.00E+00	8.65E-07	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	2.54E-04
8562	ALL	485296.3	3613945	NonCancer	2.34E-04	7.97E-07	1.48E-04	0.00E+00	0.00E+00	1.48E-04	7.97E-07	0.00E+00	7.97E-07	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	2.34E-04
8563	ALL	485289.6	3613921	NonCancer	2.13E-04	7.26E-07	1.34E-04	0.00E+00	0.00E+00	1.34E-04	7.26E-07	0.00E+00	7.26E-07	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	2.13E-04
8564	ALL	485282.8	3613898	NonCancer	1.92E-04	6.53E-07	1.21E-04	0.00E+00	0.00E+00	1.21E-04	6.53E-07	0.00E+00	6.53E-07	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.92E-04
8565	ALL	488645.9	3618076	NonCancer	1.31E-04	4.47E-07	8.28E-05	0.00E+00	0.00E+00	8.28E-05	4.47E-07	0.00E+00	4.47E-07	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00	1.31E-04
8566	ALL	488669.9	3618079	NonCancer	1.30E-04	4.42E-07	8.18E-05	0.00E+00	0.00E+00	8.18E-05	4.42E-07	0.00E+00	4.42E-07	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	1.30E-04
8567	ALL	488693.9	3618081	NonCancer	1.28E-04	4.34E-07	8.03E-05	0.00E+00	0.00E+00	8.03E-05	4.34E-07	0.00E+00	4.34E-07	0.00E+00	0.00E+00	8.03E-05	0.00E+00	0.00E+00	1.28E-04
8568	ALL	488718	3618084	NonCancer	2.58E-04	8.78E-07	1.63E-04	0.00E+00	0.00E+00	1.63E-04	8.78E-07	0.00E+00	8.78E-07	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	2.58E-04
8569	ALL	489052.6	3614298	NonCancer	2.16E-02	7.36E-05	1.36E-02	0.00E+00	0.00E+00	1.36E-02	7.36E-05	0.00E+00	7.36E-05	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.16E-02
8570	ALL	489148.7	3614308	NonCancer	4.14E-02	1.41E-04	2.61E-02	0.00E+00	0.00E+00	2.61E-02	1.41E-04	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.61E-02	0.00E+00	0.00E+00	4.14E-02
8571	ALL	489151.3	3614286	NonCancer	7.63E-02	2.59E-04	4.80E-02	0.00E+00	0.00E+00	4.80E-02	2.59E-04	0.00E+00	2.59E-04	0.00E+00	0.00E+00	4.80E-02	0.00E+00	0.00E+00	7.63E-02
8572	ALL	489165.5	3614287	NonCancer	7.07E-02	2.40E-04	4.45E-02	0.00E+00	0.00E+00	4.45E-02	2.40E-04	0.00E+00	2.40E-04	0.00E+00	0.00E+00	4.45E-02	0.00E+00	0.00E+00	7.07E-02
8573	ALL	489175.4	3614281	NonCancer	6.29E-02	2.14E-04	3.96E-02	0.00E+00	0.00E+00	3.96E-02	2.14E-04	0.00E+00	2.14E-04	0.00E+00	0.00E+00	3.96E-02	0.00E+00	0.00E+00	6.29E-02
8574	ALL	489171.6	3614268	NonCancer	9.41E-02	3.20E-04	5.92E-02	0.00E+00	0.00E+00	5.92E-02	3.20E-04	0.00E+00	3.20E-04	0.00E+00	0.00E+00	5.92E-02	0.00E+00	0.00E+00	9.41E-02
8575	ALL	489178	3614265	NonCancer	7.86E-02	2.67E-04	4.95E-02	0.00E+00	0.00E+00	4.95E-02	2.67E-04	0.00E+00	2.67E-04	0.00E+00	0.00E+00	4.95E-02	0.00E+00	0.00E+00	7.86E-02
8576	ALL	489165.5	3614117	NonCancer	2.94E-02	9.98E-05	1.85E-02	0.00E+00	0.00E+00	1.85E-02	9.98E-05	0.00E+00	9.98E-05	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	2.94E-02
8577	ALL	489073.3	3614113	NonCancer	2.51E-02	8.52E-05	1.58E-02	0.00E+00	0.00E+00	1.58E-02	8.52E-05	0.00E+00	8.52E-05	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.51E-02