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Environmental Restoration Program

RECONNAISSANCE SAMPLING REPORT SOIL GAS SURVEY AND GEOPHYSICAL INVESTIGATIONS, MOUND PLANT MAIN HILL AND SM/PP HILL

REPORT
APPENDICES A, B AND D

MOUND PLANT
MIAMISBURG, OHIO

February 1993

Department of Energy
Albuquerque Field Office

Environmental Restoration Program
EG&G Mound Applied Technologies

ENVIRONMENTAL RESTORATION PROGRAM

SOIL GAS SURVEY AND GEOPHYSICAL INVESTIGATIONS MAIN HILL AND SM/PP HILL AREAS RECONNAISSANCE SAMPLING

MOUND PLANT
MIAMISBURG, OHIO

February 1993

DEPARTMENT OF ENERGY
ALBUQUERQUE OFFICE

ENVIRONMENTAL RESTORATION PROGRAM
EG&G MOUND APPLIED TECHNOLOGIES

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LIST OF ACRONYMS

ARARs	applicable or relevant and appropriate requirements
BVA	buried valley aquifer
CIS12DCE	cis-1,2-dichloroethyene
DOE	Department of Energy
EPA	Environmental Protection Agency
ER	environmental restoration
FFA	Federal Facility Agreement
LCD	liquid crystal display
MAG/GRAD	magnetometer/gradiometer
OFRDSS	Old Firing Range Drum Storage Site
OU	Operable Unit
PAW	proposal for additional work
PCE	tetrachloroethyene
SM/PP	Special Metallurgical/Plutonium Processing
TCE	trichloroethyene
T12DCE	trans-1,2-dichloroethyene
VOC	volatile organic compound
111TCA	1,1,1-trichloroethane

EXECUTIVE SUMMARY

Installation Background

Mound Plant is a federal facility operated by EG&G Mound Applied Technologies, Inc., for the DOE. The Mound site occupies 306 acres (124 ha) in Miamisburg, Ohio, which is approximately 10 miles south-southwest of Dayton, Ohio (Figures 1.1 and 1.2).

Mound Plant originated as a technical organization in 1943 when Monsanto Chemical Company was requested to accept responsibility for determining the chemical and metallurgical properties of polonium as a project of the Manhattan Engineering District. The facility relocated to Mound Plant, which was named after the Miamisburg Indian Mound adjacent to the site, upon its completion in 1949.

Mound Plant is currently an integrated research, development, and production facility, which operates in support of the DOE weapons and energy programs (DOE, 1986). Mound Plant manufactures non-nuclear components and tritium-containing components for nuclear weapons and develops small heat sources for the space and defense programs.

In November 1989, Mound Plant was placed on the CERCLA National Priority List (NPL). Subsequently, a Federal Facility Agreement (FFA) was signed between the U.S. EPA and the DOE. This reconnaissance sampling was conducted in conjunction with the CERCLA RI/FS process underway at the Mound site.

Task Description

In February 1992, a proposal for additional work was submitted to U.S. EPA for review and approval. The proposal included an extensive soil gas survey and geophysical surveys. This report compiles the results obtained from the field investigation.

The soil gas survey was primarily a scoping effort. The main objective was to provide data to enhance the planning of future site characterization activities. Specifically, areas of the site containing VOC-contaminated soils would be identified. An assessment could then be made of the extent of contamination and the potentially associated release sites. As a part of the soil gas survey, over 200 investigative samples were collected and analyzed. All were soil gas samples except for 5 groundwater samples. Groundwater samples were collected at locations where water entered the soil gas sampling probe. Of the sample locations, 188 were sampled at the planned locations described in the work plan and 45 were sampled at discretionary locations during the final week of the field effort. Soil gas

sampling depths varied according either to planned objectives or to probe penetration refusal which was frequently caused by shallow bedrock or the presence of buried rock/debris. All soil vapor and groundwater samples were analyzed in an on-site mobile laboratory for the VOCs described in Subsection 1.3. using U.S. EPA Method 8021.

The Operable Unit 5 (OU 5) soil gas investigation involved the sampling of soil gas at Mound Plant from four primary areas: the Main Hill, Area 7, Building 51, and Area J. Discretionary locations were also sampled from areas within the Main Parking Lot and southwest of the Main Hill. The soil gas data were collected from 27 August to 29 September 1992.

Sample locations were chosen primarily at probable source areas. In addition, the sample locations on the Main Hill were chosen based on accessibility from the roadways, locations of underground utilities, proximity of buildings where solvents have been or are currently being used, and a systematic sampling approach along the roadways. The sample locations at Area 7, Building 51, and Area J were chosen based on a systematic grid surveyed at each area. The discretionary locations throughout the site were selected following interpretation of data collected earlier in the investigation from the four primary areas.

All soil vapor survey locations were surveyed at the completion of the field effort and assigned to the Ohio State Plane Coordinate System.

The geophysical investigations consisted of both magnetometer/gradiometer and electromagnetic surveys conducted over a portion of the old Miami-Erie Canal in OU 4 and at Area J in OU 5. The primary objective of the surveys was to locate near-surface and subsurface objects that could impact subsequent intrusive investigations.

The purposes for conducting the geophysical survey in the Miami-Erie Canal were to locate a power plant boiler reported to have been buried there, and to locate any other man-made materials that could limit the effectiveness of further investigations in the canal. Subsequent to the geophysical surveys in the canal, communication with Mound personnel verified that long-time residents of Miamisburg believe that tanks (from the old Power Plant) were placed into the Canal to control high water flow periods. These tanks were to serve as reservoirs or runoff basins but failed due to excessive silt buildup.

The survey covered an area of approximately 18,000 square feet northward from that point where the Plant drainage ditch joins the canal. The investigation combined the use of both magnetometer/gradiometer and electromagnetic (EM-31) equipment to locate metallic and non-metallic

objects buried in the Canal. The Area J survey combined the use of magnetometer/gradiometer and electromagnetic (EM31 and EM34-3XL) instruments to locate buried objects that may interfere with subsequent soil boring activities. The survey covered approximately 90,000 square feet in a portion of a construction debris disposal area.

Findings and Conclusions

Results of the soil vapor survey show peak Main Hill detections for the eight target compounds ranged from 247 to 131,000 ppb, with the highest being Freon 113. Peak Area J detections ranged from 11 to 46 ppb, with the highest being Freon 11. Peak Building 51 detections ranged from 18 to 89 ppb, with the highest being Freon 11. Peak Area 7 detections ranged from 7 to 825 ppb, with the highest being toluene. Peak detections from the Main Parking Lot and southwest of Main Hill ranged from 21 to 131 ppb, with the highest being Freon 113.

During the investigation, the laboratory chemist noted 35 samples which showed the presence of other volatile organic constituents not quantified in analysis. Most of these occurrences were hydrocarbon compounds associated with petroleum distillates.

The lateral distribution of VOC detections from the study areas shows the occurrence of many low-concentration detections located across much of the site with a limited number of locations showing relatively elevated VOC concentrations. Of the approximately 60 Main Hill sample locations showing the presence of one or more of the target compounds, 12 samples had total VOC concentrations exceeding 1,000 ppb. These 12 detections ranged from 1,067 to 206,827 total ppb, and appear to be associated with five primary vicinities; Building HH, I Building, Buildings 11 and 16, Building 17, and Building B. These detection locations may also be due to factors other than waste handling activities at each of these buildings, such as isolated surface spillage not related to the buildings, or the migration of soil vapors along preferred pathways (i.e., sewer lines, buried utilities, bedrock fractures). Much of the Main Hill is underlain by these buried features. The B Building area contains abundant buried utilities which, in fact, limited site accessibility to the sampling rig.

Excluding the Main Hill, no other sample locations showed detections greater than 1,000 ppb. Area J had a maximum detection of 43 ppb total VOCs. Building 51 had a maximum detection of 395 ppb total VOCs. Area 7 had a maximum detection of 834 ppb total VOCs. The contingency samples collected near the Main Parking Lot had a maximum detection of 104 ppb total VOCs (toluene only, adjacent to Building 61). Southwest of Main Hill had a maximum detection of 218 ppb total VOCs (adjacent to Building 19).

Vertical profiling of contaminated soils was performed at the four primary study areas. Area J and Area 7 did not show any elevated detections at greater depths. Building 51 deep samples did contain elevated vapors at locations having shallow-depth vapor detections. On the Main Hill vertical profiling was limited by the shallow depth to bedrock; however, the B Building solvent storage shed area showed elevated vapor levels at all measurable depths (2, 5, and 6 feet).

Results of the geophysical investigation in the Miami-Erie Canal identified at least one anomaly interpreted as being a vertically oriented iron-bearing cylinder that could be caused by a boiler or other tank-like object with its top buried within 3 feet of the ground surface. Based on data from the magnetic gradient survey, a smaller anomaly associated with an iron-bearing object was detected in the same area as the suspected boiler. This second anomaly may be: (1) another boiler (or tank) buried at a depth of about 10 feet, (2) extraneous material attached to the suspect boiler (or tank), or (3) some other iron-bearing material not associated with the boiler/tank.

Based on field observations and the interpretations of the geophysical surveys conducted in Area J, most of the surveyed area probably contains construction debris. A triangular-shaped area in the southwest part of the surveyed area may not contain substantial amounts of construction debris. More than 70 large individual geophysical anomalies were identified. Additional sources of anomalies are likely to exist but they were not identified either because: (1) the sources are buried too deeply to be detected, (2) the sources are below the limits of resolution of the instruments, or (3) the anomaly associated with these sources are masked by larger anomalies in the area. Anomalies identified with the EM34-3XL instrument suggest the presence of debris buried approximately 20 feet below the surface in the upper flat area of the eastern third of Area J. Geophysical data and field observations indicate that Area J contains a wide range of construction debris, including 55-gallon drums, concrete blocks, ferrous and non-ferrous metal, plastic, rubber, and limestone blocks.

Recommendations

Based on the results of the soil vapor survey and geophysical investigations the following recommendations can be made for further remedial activities:

- The primary purpose of the soil vapor survey was to identify areas of the site which had VOC contamination within the subsurface, especially the vadose zone. This effort identified numerous locations with elevated VOC concentrations. The highest contaminated locations described in Subsection 2.4.2 should be better characterized as potential release sites through the most effective investigative techniques applicable. For vadose zone contamination the most common technique is the collection of subsurface soil samples. Sampling plans should be developed to provide adequate data regarding horizontal and vertical contaminant extent, types and magnitude of

contaminants present, and to provide enough information relating the contamination to probable release sites.

- Some of the areas exhibiting elevated vadose zone VOC concentrations are underlain by saturated unconsolidated material, such as the valley fill area at Building 51 and Area 7. Although it is yet unclear whether the soil vapors present at these locations are due to residual contamination within the vadose zone or to VOCs emanating from contamination within the underlying groundwater, an assessment of groundwater quality within and downgradient of these locations is warranted. The relatively narrow buried valley in which Building 51 and Area 7 lie would allow a relatively localized groundwater investigation.

- A detailed assessment of the probable release site(s) associated with each of the elevated soil vapor sample locations is warranted. In many cases the details regarding potential contaminant release sites have already been gathered in previous submittals. In these cases the contaminant source characterization effort would involve correlating existing information to each associated soil vapor detection.

- Area J subsurface geophysical anomalies are described in Section 3. The soil vapor survey at Area J did not show elevated VOC vapor in the deep samples, and further subsurface characterization using soil borings is not warranted on the basis of soil gas results.

- Continue the ongoing correlation of the multiple site investigations which have been performed to date. This correlation will be especially useful at areas where multiple investigations have overlapped and multi-media data exists. Some of the previous studies to be correlated with this soil vapor investigation include the recently completed OU 3 soil sampling effort, the 1987 soil vapor survey performed southwest of the Main Hill, and numerous others.

- Some of the elevated soil vapor locations may be well enough defined to allow an expedited initiation of soil remediation activities. These locations would be limited in vertical and horizontal extent as defined by shallow depth to bedrock and decreases in VOC concentrations radially away from each location. Each of the locations showing the highest concentrations (>1,000 ppb) detected on the Main Hill during this study may meet these limiting criteria. Removal site evaluations (40 CFR 300.415) designed to determine the potential threat to human health and the environment at these areas could be completed, followed by a screening of appropriate remedial technologies.

- The potential impact of buried utilities or the presence and migration of soil vapors and other types of VOC contamination should be evaluated during future site investigation or remediation activities. Engineered plant drawings specifying the underground utilities need to be referenced. In addition, field inspections of local areas of activity need to be performed during utility clearing tasks to verify the drawing depictions and to check for unknown/unrecorded structures.

- At Area J, if drilling is performed, it should be done with extreme care and with the knowledge that the bit may strike debris. Boreholes should be located away from the sources of obvious anomalies as shown on the geophysical maps (Plates) and from obvious debris observed at the surface.

1. INTRODUCTION

1.1. ENVIRONMENTAL RESTORATION PROGRAM DESCRIPTION

Mound Plant was placed on the National Priorities List in November 1989. Pursuant to that status, the Department of Energy (DOE) and the U.S. Environmental Protection Agency (EPA) signed a CERCLA Section 120 Federal Facility Agreement (FFA), Administrative Docket Number V-W-90-C-075, that became effective 12 October 1990. As a result of this agreement, the remedial investigation/feasibility study (RI/FS) process at Mound Plant follows the methodology that the National Contingency Plan (i.e., Superfund) program has established for characterizing the nature and extent of risks posed by uncontrolled hazardous waste sites and for evaluating potential remedial options.

The goal of the Environmental Restoration (ER) Program at Mound Plant is to reduce adverse impacts on public health and the environment by reducing releases of hazardous or radioactive materials, and then by bringing all inactive waste sites requiring remediation into compliance with existing state and federal applicable or relevant and appropriate requirements (ARARs). These goals will be accomplished, in part, by the following activities, which stem from the RI/FS process:

- Investigating the nature and extent of contamination.
- Performing risk assessment(s) to identify and evaluate potential threats to human health and the environment.
- Developing and evaluating remedial action alternatives to reduce these threats to acceptable levels.
- Implementing the selected remedial actions.

The DOE is currently preparing reports specified by the FFA, including a background report (FFA Attachment I, Section 1.1) and RI/FS work plans for several operable units, including:

- Operable Unit 2, Main Hill.
- Operable Unit 3, Miscellaneous Sites.
- Operable Unit 4, Miami-Erie Canal.
- Operable Unit 5, Radioactively Contaminated Soil (SM/PP Hill).

Information developed during the research for the background report (DOE 1991b) indicated that additional work or modification to work is necessary for work planned or being planned in the respective work plans for Operable Units 2, 3, 4, and 5. Under Section XIII of the FFA between DOE and EPA, Region V, for the DOE Mound Plant, "all additional work or modification to work determined

to be necessary by DOE shall be subject to approval by EPA prior to initiating any work or modification of work." The DOE determined the necessity for soil gas sampling and analysis and geophysical surveys and prepared a Proposal for Additional Work (PAW) (DOE 1992b).

The work specified in this report is mostly of a reconnaissance nature, i.e., it is a scoping task. The objective of this work is to provide sufficient data to enhance the planning of site characterization data. These data will be used during the preparation of work plans to identify areas needing further investigation. The scope of work was originally described in the ER Program document titled: "Proposal For Additional Work, Soil Gas Survey and Geophysical Investigations, Mound Plant Main Hill and SM/PP Areas," dated February 1992.

1.2. INSTALLATION BACKGROUND

Mound Plant is a federal facility operated by EG&G Mound Applied Technologies, Inc., for the DOE. The Mound site occupies 306 acres (124 ha) in Miamisburg, Ohio, which is approximately 10 miles south-southwest of Dayton, Ohio (Figures 1.1 and 1.2).

Mound Plant originated as a technical organization in 1943 when Monsanto Chemical Company was requested to accept responsibility for determining the chemical and metallurgical properties of polonium as a project of the Manhattan Engineering District. The facility relocated to Mound Plant, which was named after the Miamisburg Indian Mound adjacent to the site, upon its completion in 1949.

The successive federal agencies that have been the owners of Mound Plant are: the Manhattan Engineering District, the Atomic Energy Commission, the Energy Research and Development Agency, and the DOE. The Monsanto Research Corporation operated Mound Plant for each of these agencies until December 1988, when EG&G Mound Applied Technologies succeeded Monsanto as the plant operator.

Mound Plant is currently an integrated research, development, and production facility, which operates in support of the DOE weapons and energy programs. Mound Plant manufactures non-nuclear components and tritium-containing components for nuclear weapons and develops small heat sources for the space and defense programs.

1.3. TASK DESCRIPTION

As a part of the soil gas survey, over 200 investigative samples were collected and analyzed. All were soil gas samples except for 5 groundwater samples. Groundwater samples were collected at locations

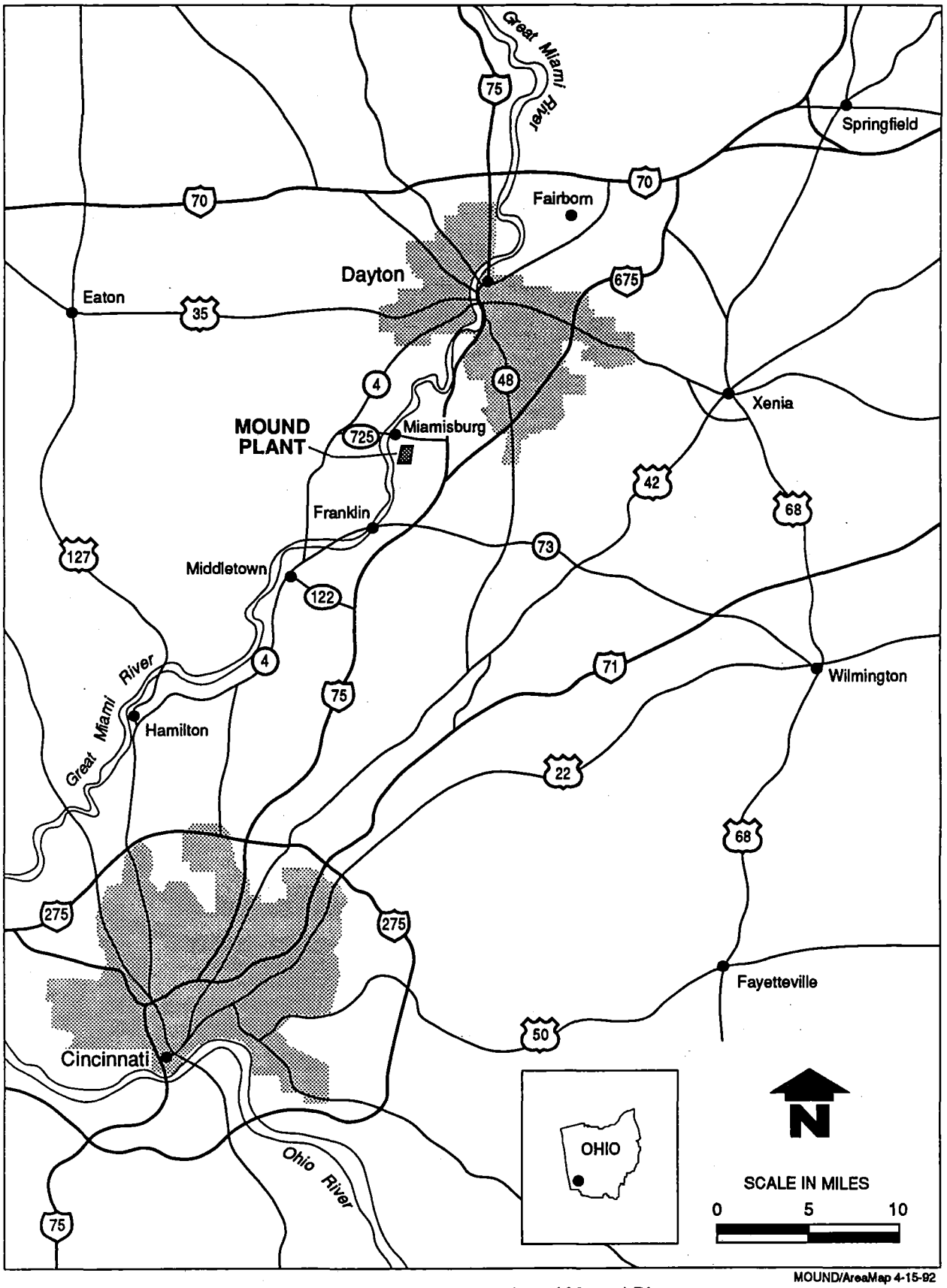

Figure 1.1. Regional location of Mound Plant.

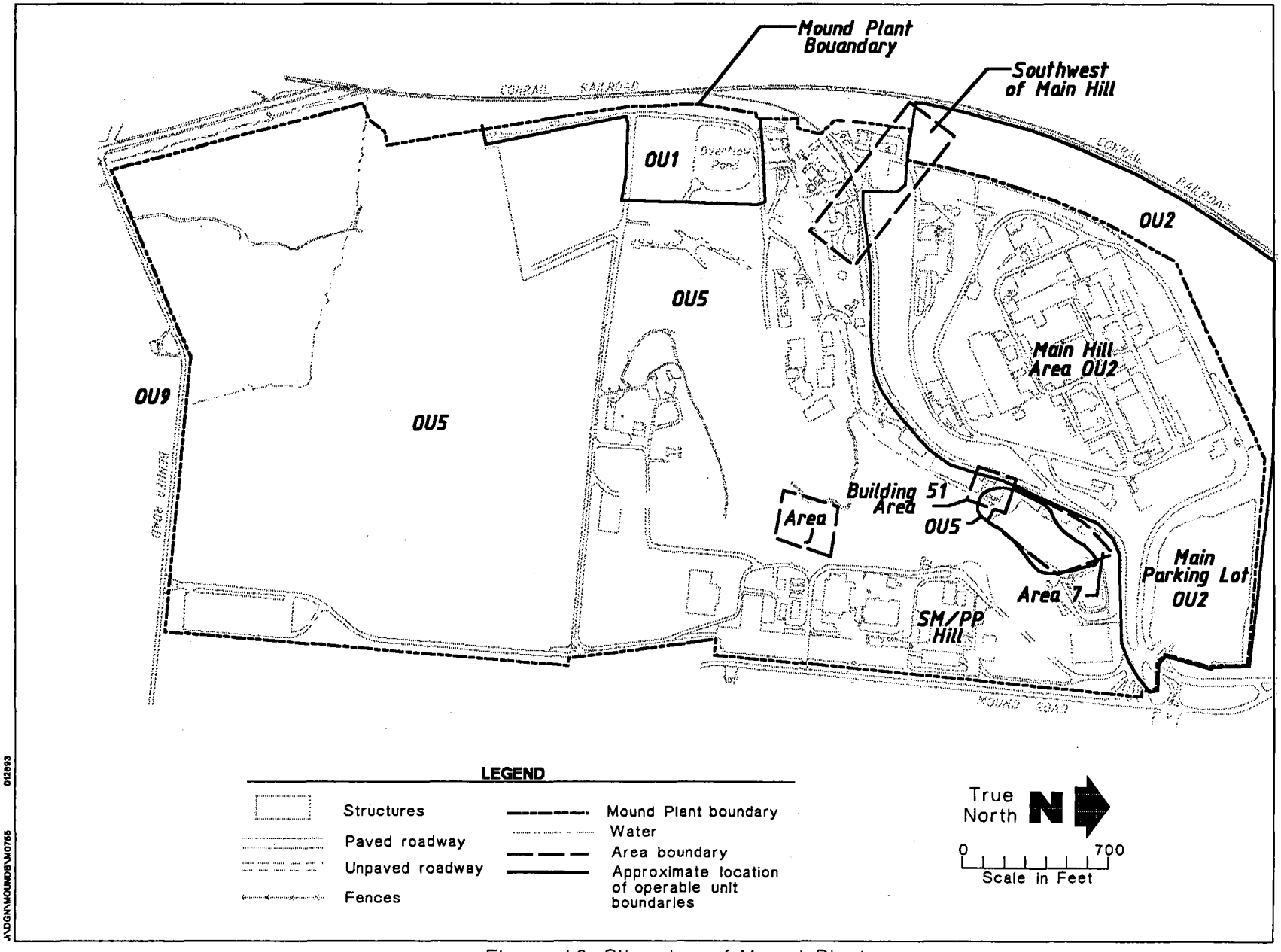

Figure 1.2. Site plan of Mound Plant.

where water entered the soil gas sampling probe. Of the sample locations, 188 were sampled at the planned locations described in the work plan and 45 were sampled at discretionary locations during the final week of the field effort. The Operable Units mentioned in this report were designated during initial data collection and site scoping activities (DOE 1992a). Most of the soil gas investigation was performed within OU2 (Main Hill Seeps) and OU5 (Radioactively Contaminated Soils).

As part of the geophysical survey, magnetometer/gradiometer and electromagnetic conductivity measurements were made over gridded areas at the Miami-Erie Canal in Operable Unit (OU) 4, and at Area J in OU 5.

1.3.1. Soil Gas Investigations

1.3.1.1. Time Period and Duration of This and Previous Soil Gas Investigations

The soil gas investigation involved the sampling of soil gas at Mound Plant from four primary areas: the Main Hill, Area 7, Building 51, and Area J. Contingency locations were also sampled from areas within the Main Parking Lot and southwest of the Main Hill. The soil gas data were collected from 27 August to 29 September 1992.

Sample locations were chosen primarily at probable source areas. In addition, the sample locations on the Main Hill were chosen based on accessibility from the roadways, locations of underground utilities, proximity of buildings where solvents have been or are currently being used, and a systematic sampling approach along the roadways. The sample locations at Area 7, Building 51, and Area J were chosen based on a systematic grid surveyed at each area. The contingency locations throughout the site were selected following interpretation of data collected earlier in the investigation from the four primary areas.

A previous soil gas investigation was performed in 1987 to help define the locations of new monitoring wells. Soil gas samples from 58 locations were collected southwest of the Main Hill. Target compounds for this investigation were chosen based on previous sampling of existing monitoring wells. The target compounds consisted of trichloroethene, trans-1,2-dichloroethene, vinyl chloride, benzene, ethylbenzene, and toluene. Each of these target compounds was detected in the 1987 soil gas survey. Appendix A includes figures and a data table summarizing the sample locations and investigative findings of the previous soil gas study, as originally presented in the September 1989 DOE report entitled "Remedial Investigation Plan: Task AL-MD-1, Stage 3."

1.3.1.2. Objectives and Scope of This Investigation

The soil gas survey performed during this investigation was primarily a scoping effort. The main objective was to provide sufficient data to enhance the planning of site characterization activities. These data will be used during the preparation of future work plans to identify areas needing further investigation. Specifically, the soil gas survey was performed to identify areas of the site containing VOC contamination within the subsurface soils. An assessment of the apparent lateral and vertical extent of contamination, and the potential release site responsible for the contamination can then be made.

The soil gas samples collected from the Main Hill, Area 7, Building 51, and Area J at the Mound Plant were initially collected for the analysis of six target compounds, including trichloroethene, trans- and cis-1,2-dichloroethene, 1,1,1-trichloroethane, toluene, and trichlorofluoromethane (Freon 11). These compounds were targeted based on the results of previous contaminant characterization efforts, including the analysis of groundwater seeps and the study of underground storage tanks at the site. Following the completion of the first 10-day field shift, the target compound list was expanded to include 1,1,2-trichloro-1,2,2-fluoroethane (Freon 113) and tetrachloroethene based on interpretations made by the field laboratory chemist.

All soil vapor survey locations were surveyed at the completion of the field effort and assigned to the Ohio State Plane Coordinate System.

1.3.1.3. General Locations and Descriptions of Sites, Including Brief Histories

Although the February 1992 work plan for this investigation refers to the study areas as the Main Hill, the SM/PP Hill, and the Old Firing Range Drum Site, this report delineates these areas more specifically as the Main Hill, Building 51, Area 7, and the Old Firing Range Drum Storage Site/Area J. In addition, discretionary sampling occurred within areas referred to in this report as the main parking lot and southwest of Main Hill.

Numerous investigations have previously been conducted within the perimeter of the Main Hill. Histories for individual potential release sites are described in the Operable Unit 9 RI/FS Work Plan (DOE 1992a); the history of waste management at these sites is described in the Operable Unit 9, Site Scoping Report: Volume 7-Waste Management Report (DOE 1992c). Potential release sites on the Main Hill that are contiguous within the Operable Unit 5 soil gas survey are shown in Table I.1.

Table I.1. Main Hill Sites Contiguous Within Area of Soil Vapor Survey (Page 1 of 6)

Site Name	Location	Potential Contaminants	Relative Soil Vapor Survey Target Compounds
E Building Solvent Storage Shed	E Bldg.	Trichloroethene, Ethanol, Methanol	TCE
G Building/Garage Area; including miscellaneous tanks	G Bldg.	Waste oil, Waste antifreeze, Automotive batteries, Asbestos	Toluene
Monitor Well 0034	Northeast of HH Bldg.	Waste oil	Toluene
Underground Sewer Lines	Locations throughout the plant	Laboratory chemicals, Organic solvents, Photo-processing solutions, Plating solutions, Strong acids and bases, Lead, Methylene chloride, Nitric acid, Hydrochloric acid, Ethylene glycol, Acetone, Ammonium hydroxide, Sulfuric acid, Sodium bisulfate, Phosphoric acid, Hydroiodic acid, Trimethylbenzene and scintillators, Blackflush water from the zeolite water softners, Sodium sulfate, Octadecylamine, Cyclohexylamine, Sodium phosphate, Effluent from Bldg. 51 Waste Solvent Incinerator Scrubber	Freon 11, Freon 113, 12 DCE, TCE, 111 TCA, PCE
Paint Shop Area	PS Bldg.	Paints, Solvents (including toluene and methylene chloride), Thinners, Lead, Chromates	Toluene
Powerhouse Area Fuel Tanks, including:			
– Powerhouse Fuel Oil Storage Tank (Tank 113)	Powerhouse	Fuel Oil	Toluene
– Powerhouse Fuel Oil Storage Tank (Tank 114)	Powerhouse	Fuel Oil	Toluene
– Powerhouse Fuel Oil Storage Tank (Tank 115)	Powerhouse	Fuel Oil	Toluene
– Powerhouse Fuel Oil Storage Tank (Tank 116)	Powerhouse	Fuel Oil	Toluene
WD Building Annex Basement Wash Sump (Tank 11)	WD Bldg. Annex	Alpha wastewater from floor and sink drains in WD Annex Bldg.	
Glass Melter Room Sump	WD Bldg. Annex	Janitorial wash water, Acrylonitrile, Phenol, Acetonitrile, Kerosene, Chlorobenzene, Carbon tetrachloride, Xylene, Acetone, Ethanol, Methylene chloride	

Table I.1. Main Hill Sites Contiguous With... Area of Soil Vapor Survey (Page 2 of 6)

Site Name	Location	Potential Contaminants	Relative Soil Vapor Survey Target Compounds
WD Building Drum Staging Area	WD Bldg.	Solidified plutonium sludge from the Alpha Wastewater Treatment System, Low specific activity decontamination and decommissioning wastes	
Area 4, WD Building Influent Tank Overflow	WD Bldg.	Sanitary wastewater, Plutonium-238, Thorium, Cesium-137, Cobalt-60, Sludge from old sanitary wastewater or treatment plant	
Area 4A, Sewage Sludge Drying Pits	WD Bldg.	Sanitary wastewater, Plutonium-238, Thorium, Cesium-137, Cobalt-60, Sludge from old sanitary wastewater or treatment plant, Polonium, Chromic acid, Calcium cyanide, Nickel sulfate, Nickel chloride, Black oxide, Copper cyanide, Radioactive wastes, Process effluent, Metal finishing rinse water	
Old Sanitary Wastewater Treatment Plant	Old SD Bldg.	Polonium-210, Chromic acid, Calcium cyanide Nickel sulfate, Nickel chloride, Black oxide, Copper cyanide, Radioactive wastes, Process effluent, Metal finishing rinse water, Photo-processing solutions	
Old Sanitary Wastewater Treatment Plant Tank (Tank 205)	Old SD Bldg.	Contaminants listed under Old Sanitary Wastewater Treatment Plant	
Old Sanitary Wastewater Treatment Plant Tank (Tank 206)	Old SD Bldg.	Contaminants listed under Old Sanitary Wastewater Treatment Plant	
Old Sanitary Wastewater Treatment Plant Tank (Tank 207)	Old SD Bldg.	Contaminants listed under Old Sanitary Wastewater Treatment Plant	
Building 28 Solvent Storage Area	Bldg. 28	Organic solvents (including alcohol, methylene chloride, and acetone)	Freon 11, Freon 113, 12 DCE, TCE, 111 TCA, PCE
DS Building Solvent Storage Shed	DS Bldg.	Organic solvents (including 1,1,1-trichlorethane, trichlorofluoromethane, ethanol, and trichloroethene)	Freon 11, Freon 113, 12 DCE, TCE, 111 TCA, PCE

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Table I.1. Main Hill Sites Contiguous Within Area of Soil Vapor Survey (Page 3 of 6)

Site Name	Location	Potential Contaminants	Relative Soil Vapor Survey Target Compounds
B Building Solvent Storage Shed	B Bldg.	Organic solvents (including trichloroethene, trichlorofluoromethane, ethanol, methanol, isopropanol, acetone, methylene chloride, and toluene)	Freon 11, Freon 113, 12 DCE, TCE, 111 TCA, PCE
B Building Temporary Drum Storage Area	B Bldg.	Waste solvents, waste oil, and trash from E and B bldgs.	Freon 11, Freon 113, 12 DCE, TCE, 111 TCA, PCE
Radioactive/Mixed Waste Storage Area	Bldg. 23	Tritium, Trimethylbenzene, Various chemicals (including mercury, acids, solvents, etc.), Oils, Octane, Cleaning materials, Polychlorinated biphenyls, Lead, Thorium compounds, Uranium compounds, Plutonium-238	Freon 11, Freon 113, 12 DCE, TCE, 111 TCA, PCE
Glass Melter Feed Drum	WD Bldg. Annex	Liquid solvent wastes	Freon 11, Freon 113, 12 DCE, TCE, 111 TCA, PCE
Vapor Degreaser	M Bldg.	Perclene D (perchloroethylene)	PCE
SW Building Drum Storage Area	Vicinity of SW Bldg.	Hazardous wastes, Asbestos, Waste oils, Antifreeze	Toluene
Glass Melter Furnace	WD Bldg. Annex	Ion exchange resins, SD Bldg. sludge, Scintilation fluid constituents, Acetonitriles, Nitrate salt wastes, SD Building sludge, Cobalt, Strontium, Cesium	
Off-Gas Treatment System, including:	WD Bldg. Annex	Contaminants listed under Glass Melter Feed Drum, Contaminants listed under Cyclone Incinerator, SD Building sludge, Contaminants listed under Deluge Tank	Freon 11, Freon 113, 12 DCE, TCE, 111 TCA, PCE
Ventilation Hoods	Locations throughtout the Plant	Acidic and caustic gases, Tritium, Asbestos, Acetone, Trichloroethylene, Plutonium, Polonium, Benzene, Chloroform, Toluene, Radium-226, Actinium-227, Radon-222, Radium-226 and Actinium-227 Programs	TCE

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Table I.1. Main Hill Sites Contiguous Within Area of Soil Vapor Survey (Page 4 of 6)

Site Name	Location	Potential Contaminants	Relative Soil Vapor Survey Target Compounds
WD Building Alpha Wastewater Treatment System, including: – WD Building Alpha Wastewater Influent Tanks (misc. tanks)	WD Bldg.	Influent alpha wastewater from H Bldg., SW/R Complex, Low-risk alpha wastewater from SW Bldg., R Bldg., H Bldg., SM Bldg., and Bldg. 38, Low-risk alpha wastewater from WD Bldg. sumps, Supernatant liquids from polonium processes in the HH Bldg., Aqueous waste from Thorium-232 Refinery Program, Wastewater from B and R Bldgs., Organic chemicals with alpha and beta activity, Detergents, Organic solvents, Waste chemicals, Lubricating oil, Sodium nitrate, Sodium nitrite, Supernatant liquid waste generated from processing of Polonium Project aluminum chloride and bismuth chloride wastes, Strong inorganic acids, Citric acid, Chelating agents, Sodium hydroxide, Formic acid, Sodium tartrate, Formaldehyde, Potassium carbonate, Potassium sulfate, Copper sulfate, Calcium carbonate, Oxalic acid, Lithium chloride, Ziconium oxide, Sodium carbonate, Potassium pyrosulfite, Potassium bromide, Nickel sulfate, Asbestos fiber, Methylene blue, Mercury, Lead, Berylium, Cyanides, Many other substances	Freon 11, Freon 113, 12 DCE, TCE, 111 TCA, PCE
– Clariflocculators (2 units)	WD Bldg.	Contaminants listed under WD Building Alpha Wastewater Influent Tank (Tank 3)	Freon 11, Freon 113, 12 DCE, TCE, 111 TCA, PCE
– Mixing Box	WD Bldg.	Contaminants listed under WD Building Alpha Wastewater Influent Tank (Tank 3)	Freon 11, Freon 113, 12 DCE, TCE, 111 TCA, PCE

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Table I.1. Main Hill Sites Contiguous Within Area of Soil Vapor Survey (Page 5 of 6)

Site Name	Location	Potential Contaminants	Relative Soil Vapor Survey Target Compounds
– Sand Filters (2 units)	WD Bldg.	Contaminants listed under WD Building Alpha Wastewater Influent Tank (Tank 3)	Freon 11, Freon 113, 12 DCE, TCE, 111 TCA, PCE
– Bone Char Columns (2 units)	WD Bldg.	Contaminants listed under WD Building Alpha Wastewater Influent Tank (Tank 3)	Freon 11, Freon 113, 12 DCE, TCE, 111 TCA, PCE
– Sludge Pits (2 units)	WD Bldg.	Contaminants listed under WD Building Alpha Wastewater Influent Tank (Tank 3)	Freon 11, Freon 113, 12 DCE, TCE, 111 TCA, PCE
– Sludge Solidification/Drumming Unit	WD Bldg.	Contaminants listed under WD Building Alpha Wastewater Influent Tank (Tank 3)	Freon 11, Freon 113, 12 DCE, TCE, 111 TCA, PCE
WD Building Beta Wastewater Treatment System, including:	WD Bldg. Annex		
WD Building Annex Beta Wastewater Influent Tank (misc. tanks)	WD Bldg. Annex	Beta wastewater from T Bldg. equipment decontamination, floor mopping, and sprinkler system	
Room WD–1 Basement Sump (Tank 12)	WD Bldg. Annex	Alpha wastewater from floor and sink drains in the WD Bldg.	
WD Building Wastewater Influent Tank (Tank 15)	WD Bldg. Annex	Influent Alpha wastewater	
WD Building Wastewater Influent Tank (Tank 16)	WD Bldg. Annex	Influent Alpha wastewater	
Room WD–1 Alpha Wastewater Sump (Tank 17)	WD Bldg.	Alpha wastewater	
Room WD–8 Alpha Wastewater Sump (Tank 18)	WD Bldg.	Alpha wastewater from floor drains	

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Table I.1. Main Hill Sites Contiguous Within Area of Soil Vapor Survey (Page 6 of 6)

Site Name	Location	Potential Contaminants	Relative Soil Vapor Survey Target Compounds
Room RD-128 Alpha Wastewater Tank (Tank 19)	R Bldg.	Alpha wastewater generated in R Bldg.	
Room SW-8 Beta Wastewater Tank (Tank 20)	SW Bldg.	Beta wastewaters from Rooms SW-8, SW-13, and SW-19, Tritium	
Room SW-125 Beta Wastewater Tank (Tank 21)	SW Bldg.	Beta wastewaters from Room SW-125, Tritium	
Room SW-143 Beta Wastewater Tank (Tank 22)	SW Bldg.	Beta wastewaters from production processes in SW Bldg., Tritium	
R/SW/T Building Stack Diesel Fuel Storage Tank (Tank 117)	R/SW/T Bldg. Stack	Diesel fuel	Toluene
Building 57 Diesel Fuel Storage Tank (Tank 118)	Bldg. 57	Diesel fuel	Toluene
TF2 Building Diesel Fuel Storage Tank (Tank 122)	TF2 Bldg.	Diesel Fuel	Toluene
WD Building Annex Alpha Effluent Tank (Tank 214)	WD Bldg. Annex	Contaminants listed under WD Building Alpha Wastewater Influent Tank (Tank 3)	
WD Building Annex Alpha Effluent Tank (Tank 215)	WD Bldg. Annex	Contaminants listed under WD Building Alpha Wastewater Influent Tank (Tank 3)	
WD Building Annex Alpha Effluent Tank (Tank 216)	WD Bldg. Annex	Contaminants listed under WD Building Alpha Wastewater Influent Tank (Tank 3)	
Building 58 Diesel Fuel Storage Tank (Tank 222)	Bldg. 58	Diesel fuel	Toluene
Building 56 Diesel Fuel Storage Tank (Tank 223)	Bldg. 56	Diesel fuel	Toluene
Room T-3 Floor Drain Sump (Tank 228)	T Bldg.	Wastewater from nonradiological work area floor drains	

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This table identifies the location of each potential source and the chemicals of concern associated with each location. The target compounds for the soil gas survey were selected based largely on the potential contaminants identified from previous investigations at some of these sites.

The Old Firing Range Drum Site (OFRDSS) is a potential release site assigned to Operable Unit 3, Miscellaneous Sites. In preparation for the OFRDSS field work under the OU 3 Work Plan, the area originally staked was not properly located. This conflict was resolved through a photo interpretation map which was compiled from vertical aerial photographs taken by the Ohio Department of Transportation on April 14, 1973, and March 3, 1975. These photographs accurately depict the firing range and the drum storage area without the distortions common to oblique photographs, such as those used to locate the site originally (DOE 1991a). However, the misidentification indicated that it would be prudent to do additional work to corroborate the location of the OFRDSS. The contaminants of concern at the area include solvents, specifically trichloroethane and Freon 11. Overlapping with the OFRDSS is Area J, which is an area where construction debris (including excess soil) was pushed over the side of SM/PP Hill. Because there is no indication of disposal of liquid waste at Area J, the possibility of large quantities of chemical waste was not expected. However, soil gas sampling was performed to verify this assumption.

Area 7, in the valley between the Main Hill and the SM/PP Hill, has been the site of considerable infilling (DOE 1991c) with soil, debris, and radioactive waste. A rumor that trash from the Historic Landfill (Area B, Operable Unit 1) was removed to the ravine could not be confirmed (DOE 1991b); if true, it would suggest the possibility that some hazardous chemicals could have been relocated to Area 7. Because of the disposal of bulk quantities of soil and debris and the possibility of the relocation of hazardous chemicals, soil gas sampling was performed to assist in scoping further investigations.

Building 51, located down-valley from Area 7, contained an incinerator used to destroy oil and solvents. These wastes were stored in an underground tank located behind the building. The incinerator was built and used in the early 1970s; the underground tank was removed in 1990. Sampling of the tank contents and adjacent soil indicated the presence of trichloroethene (DOE 1992d). Soil gas sampling was performed to help characterize the extent of contamination.

Contingency samples were collected from locations within the main parking lot to assess the potential release of VOCs from suspected burial sites (based upon historical aerial photographs showing disturbed soils). Additional contingency samples were collected from areas associated with Buildings 19, 67, 72, and 89 southwest of the Main Hill, all of which have historically been associated with VOC materials handling. Plate A illustrates the Mound Plant site plan and identifies the 233 soil vapor/groundwater sample locations investigated during this study.

1.3.2. Geophysical Surveys

1.3.2.1. Time Period and Duration of Investigations

Two sites were selected for geophysical investigations at the Mound Plant: (1) the Miami-Erie Canal in OU 4, and (2) Area J in OU 5. At both sites, the geophysical investigations consisted of magnetometer/gradiometer and electromagnetic surveys conducted on a uniform grid. The on-site geophysical surveys were performed from 30 June to 20 October 1992. In addition, several days of preparatory field work was required to clear the vegetation in the survey areas and provide access to the proposed grid lines. Because of interferences caused by several drums located at the surface in the construction debris area, a second magnetometer/gradiometer survey was conducted over a portion of Area J after the drums were removed. This additional survey was performed on 20 October 1992. Although the purposes for the surveys at the Miami-Erie Canal and Area J sites were different, the primary objective of both surveys was the location of subsurface objects and the provision of data that could be used for planning more detailed investigations for site characterization. Specific objectives of the geophysical surveys are further detailed in the individual site descriptions below.

1.3.2.2. Objectives and Scope of Investigation

The purpose for conducting the geophysical survey in the Miami-Erie Canal was, as stated in the scope of work, to locate the boiler reported to have been buried there and other materials that could affect further investigations. The geophysical survey at the Canal covered an area of approximately 18,000 square feet north of the approximate point where the Plant drainage ditch enters the Canal. The investigation combined the use of magnetometer/gradiometer and electromagnetic (EM-31) equipment to locate metallic and non-metallic objects buried in the Canal.

The geophysical survey in Area J was conducted on a grid covering approximately 90,000 square feet in the southern part of a large construction debris area. This investigation combined magnetometer/gradiometer and electromagnetic (EM-31 and EM34-3XL) equipment for the purpose of locating buried metallic and non-metallic objects (e.g., 55-gallon drums, large blocks of concrete, ferrous and non-ferrous metal) that might interfere with drilling soil borings for subsequent site characterization.

1.3.2.3. General Locations and Brief Histories of the Sites

OU 4 includes all off-plant property west of the Mound facility including active and inactive waterways associated with the old Miami-Erie Canal. The canal is oriented north-south and lies between the Conrail Railroad right-of-way to the east and Dayton-Cincinnati Road immediately along its western edge (Figure 1.3). The Canal was constructed during the 1800s, and once served as a major public transportation waterway until it was abandoned in 1915. An approximate 7,000-foot-long portion of

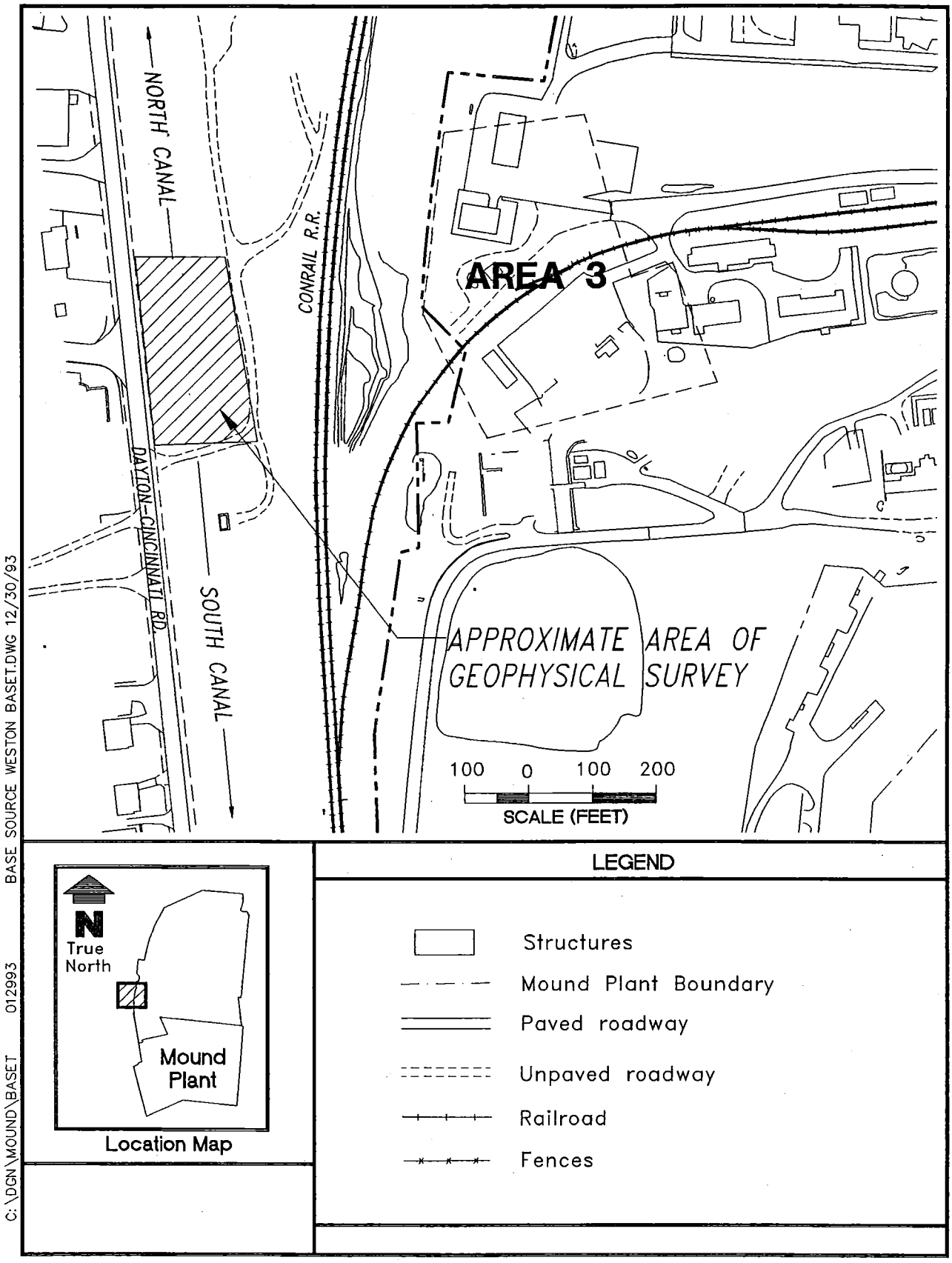

Figure 1.3. Location Map of the Miami-Erie Canal.

the Canal acts as a drainage pathway for surface water runoff from the plant to the Great Miami River. Effluent from much of the main Plant flows into an improved ditch that flows westward from the Plant through a pair of concrete box culverts located beneath the railroad tracks and discharges into the Miami-Erie Canal. The effluent originally flowed both to the north and south along the Canal, but flow to the north was structurally blocked in 1976. Currently, the effluent flows through the southern part of the Canal to a culvert, under Dayton-Cincinnati Road, and then in an open ditch to an outfall on the Great Miami River. Access to all areas of the waterway is generally uncontrolled, except for the Plant's drainage ditch.

Water currently enters the canal system at a controlled rate because the Mound Plant installed a surface water drainage control system during 1975-1979 on the lined drainage ditch. The North Canal is normally dry and heavily vegetated with grass, whereas the South Canal contains 4 to 8 inches of water. The banks of the South Canal are also heavily vegetated. Following periods of heavy rainfall, flow through the South Canal may correspondingly increase.

Historically, the Miami-Erie Canal and associated waterways have had influxes of past releases from operations at the Mound Plant. Concentrations of plutonium-238 and tritium are known to exist in a portion of the Canal at depths ranging from approximately 2 to 4 feet. Lower levels of tritium have been identified as deep as 30 feet in test borings around the Canal (Dames and Moore 1976). The full extent of contamination has not yet been determined. An evaluation of potential chemical contamination is presently being conducted in the Canal.

A steel boiler from the former power plant for the City of Miamisburg is reported to have been buried at the approximate location where the plant drainage ditch enters the canal. Very little information was available regarding the contents of this boiler, but the possibility exists that it may contain water treatment chemicals or asbestos insulating materials. The boiler, if present, is significant in that it could collect or contain a source of contamination to the canal. Furthermore, a large metallic structure of this nature would impose limitations for locating borings and for acquiring subsurface environmental samples for subsequent site characterization. Subsequent to the geophysical surveys in the canal, communication with Mound personnel verified that long-time residents of Miamisburg believe that tanks (from the old Power Plant) were placed into the Canal to control high water flow periods. These tanks were to serve as reservoirs or runoff basins but failed due to excessive silt buildup.

Area J covers approximately 4 acres in the eastern portion of the Mound Plant at the west side of the SM/PP Hill (Figure 1.4.). It consists of an upper flat area and a west facing hillside slope west of Building 38. The site lies about 150 feet northeast of Area 21 in Operable Unit 5 and less than 100 feet southwest of Areas 12 and D in OUs 5 and 6, respectively. Because the site at Area J was used for disposing of construction spoils from the early 1950s to the early 1980s, it is commonly referred

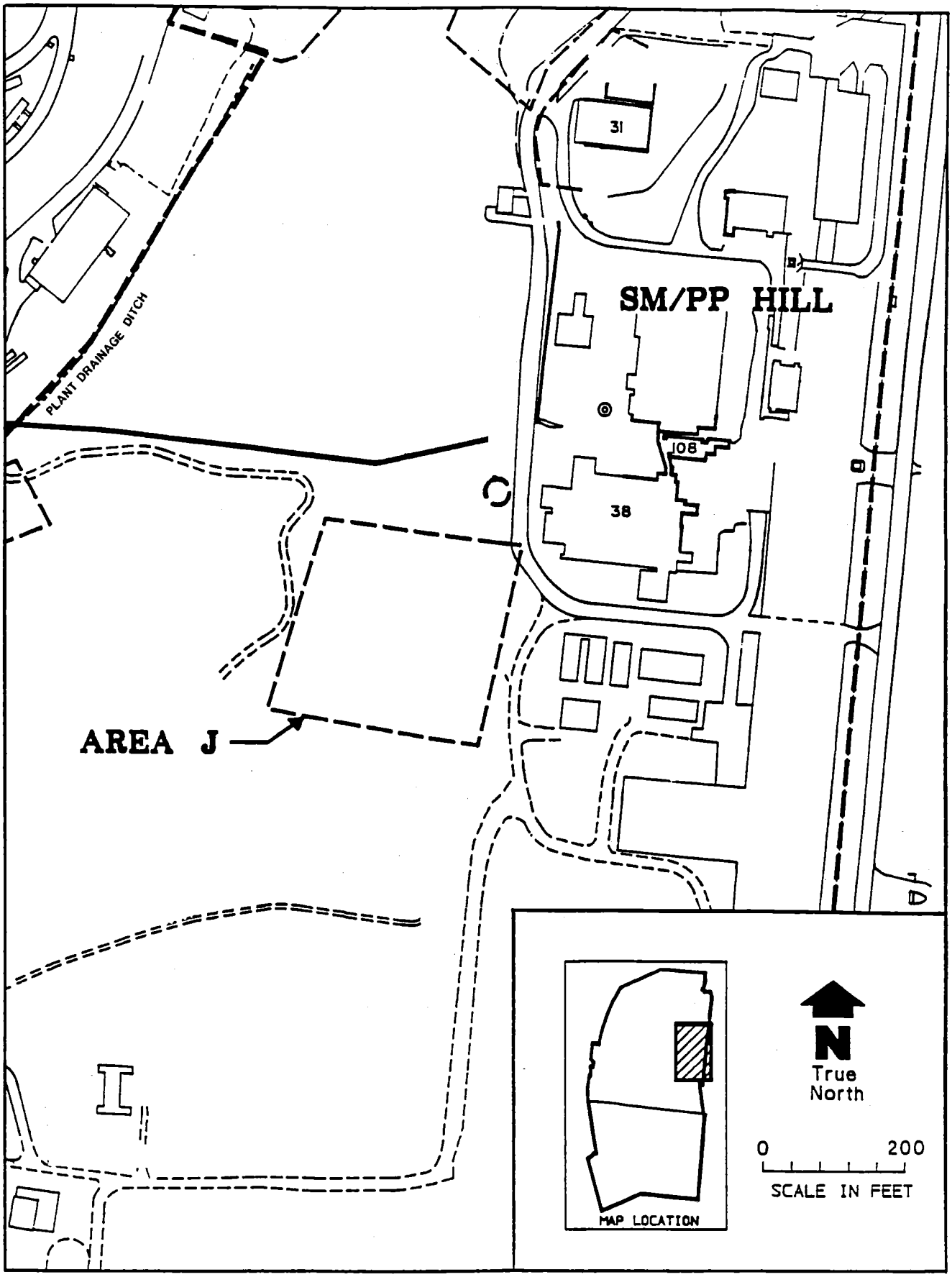

Figure 1.4. Location map of Area J.

to as the Hillside Disposal Area. The volume of construction debris placed at the site is estimated to exceed 100,000 cubic yards. The debris includes excavated soils, blocks of concrete, pipes of various types and sizes, metal banding, plumbing fixtures, roofing shingles, and other materials that have been dumped or bulldozed over the hillside (DOE 1991a). At nearby Areas 12 and D, plutonium and thorium are suspected to be present because these radioactive elements were either used or disposed at those areas. Portions of Area J could receive surface water runoff from these adjoining areas. Soil samples collected during the Mound Site Survey Project (Stought, et al. 1988) identified three radiological contaminants in Area J: (1) plutonium-238 (maximum 71.3 pCi/g), (2) thorium (maximum 30.42 pCi/g), and (3) Cobalt-60 (maximum 3.0 pCi/g). The maximum depth at which contaminants were detected in the soil samples was 19.5 feet below ground surface. Because no historical records of liquid waste disposal at Area J exist, the possibility of large quantities of chemical contaminants have not been fully addressed. However, because of the types of materials believed to have been abandoned in Area J, suspected waste materials could include paint, paint thinners, petroleum products, and asbestos (DOE 1991a).

1.4. REPORT ORGANIZATION

Section 2 describes the soil gas investigation and analytical results, includes a discussion of the nature and extent of contamination, and provides a recommendation for further work. Section 3 presents the investigative approach and findings of the geophysical surveys conducted during this study, and provides a recommendation for further work.

2. SOIL GAS SURVEY

2.1. SOIL GAS SAMPLING AND ANALYSIS PROCEDURE

All soil gas sampling was performed by driving 5-foot sections of drill rod and steel points into the subsurface and drawing soil vapor to a gas collection system mounted on a soil gas collection rig. As described in Appendix A of the February 1992 work plan, a vacuum pump draws soil vapors through the sampling apparatus at a flow rate of 100 ml/min. After at least three purge volumes have been vacuumed, a sample cartridge containing a 3-layer carbon sorption tube is attached and used to collect the soil gas sample.

During this investigation, most soil gas probes were installed using a truck-mounted hydraulic hammer. A few locations required manual hammering due to rig access difficulty; however, all sample collection activities were consistent and utilized the truck-mounted soil gas collection rig. Soil gas sampling depths varied according either to planned objectives or to probe penetration refusal which was frequently caused by shallow bedrock or the presence of buried rock/debris.

The five groundwater samples collected during this study were retrieved using 3/8-inch stainless steel bailers and nylon cord lowered down the inside of each probe. Each water sample was carefully poured into laboratory-prepared 40 ml VOA vials for subsequent analysis. Water samples were collected at sample locations 1065 and 1105 (Main Hill at 5 feet in depth), 2036 (Area 7 at 5 feet), and 4157 and 4160 (Building 51 at 25 feet).

All sampling equipment was decontaminated between locations using the procedures described in the work plan. Following the collection of each sample, the probes were pulled from the ground and the remaining hole backfilled with bentonite pellets.

All soil vapor and groundwater samples were analyzed in an on-site mobile laboratory for VOCs using U.S. EPA Method 8021. During the first 10-day field work shift the samples were analyzed for the six compounds described in the PAW. These included Freon 11, 1,2-dichloroethene (cis and trans), TCE, 111TCA, and toluene. Peaks on the gas chromatograph curves showed the presence of additional solvent-type VOCs. Consequently, the laboratory chemist added standards for Freon 113 and PCE, which were the most prevalent of the additional VOCs detected. Quality control samples were collected and analyzed throughout the field effort to monitor VOC interference, check data accuracy, and instrument calibrations, and evaluate purging efficiencies.

Prior to each day's soil gas sampling, field blanks of the entire sampling apparatus were taken and analyzed to check background contamination in the sampling system and cartridges. Duplicate soil gas or shallow groundwater samples were collected from each sampling location. Duplicate analyses were performed on at least 10% of the samples collected. For trip blanks, an unused sample cartridge was transported into the field with the sampling equipment. The trip blank cartridge was handled in the same manner as a sample, but a sample was not collected through this cartridge. The trip blank was returned to the lab with the other samples and analyzed. For ambient blanks, a randomly selected sampling cartridge was analyzed at the first daily location to detail interferences from cartridges or the analytical system.

Table II.1 summarizes the sample identification plan along with a description of quality control samples.

2.2. SAMPLE LOCATIONS AND DEPTHS

Table II.2 summarizes the sampling effort performed during this investigation, including a description of the collection dates, locations, depths, QA/QC identifications, and miscellaneous comments. The samples identified in Table II.2 were analyzed by the mobile laboratory. The variability of the identifications presented in the table is due to the discretion of the laboratory chemist, who for quality control purposes, would analyze some or all of the investigative, duplicate, or quality control samples collected at each location. Factors such as sample volume and sample dilution dictated whether the investigative or duplicate sample was analyzed. For ease of presentation, the base map included as Plate A is divided into six individual base maps within the text. These six base maps consist of Main Hill West, Main Hill East, Area J, Building 51 and Area 7, Main Parking Lot, and southwest of Main Hill. Sample locations within each of these areas are illustrated on Figures 2.1 through 2.6, respectively.

The discretionary sample locations and target depths were selected following completion of the sampling effort described in the PAW. Preliminary analytical results were distributed to personnel from U.S. EPA, OEPA, DOE, EG&G, and WESTON for review. Discussions were then held to select the additional 45 discretionary sample locations. Rationale for selection included the characterization of undefined areas, the better definition of nearby detected vapors, and the vertical profiling of contaminated areas.

Some deviations from the original work plan occurred during the field effort. The most common deviation was sampling depth, which was controlled by soil gas probe refusal depth. Table II.3 summarizes these deviations.

Table II.1 SAMPLE IDENTIFICATION PLAN

INVESTIGATIVE SAMPLES:	
Sample Matrix	Identification Scheme
Soil Vapor	MND-01-WXXX-YZZZ
QUALITY CONTROL SAMPLES:	
Type	Identification Scheme
Duplicate	MND-01-WXXX-1ZZZ
Trip Blank	MND-01-WXXX-2ZZZ
Ambient Blank (at 1st daily location)	MND-01-WXXX-3ZZZ
Field Blank (at lab each day)	MND-01-WXXX-5ZZZ

Explanations:

MND = Mound Plant
01 = Reconnaissance Sample
W = General sample location, where
- 1 = Main HIII
- 2 = Area 7 and Main Parking Lot
- 3 = Area J
- 4 = Building 51 Area
- 5 = Southwest of Main Hill

X = Specific sample location
Y = Quality control sample type
Z = Sample depth

Table II.2. SUMMARY OF DATA IDENTIFCATIONS, LOCATIONS, AND DEPTHS

SAMPLE	DATE	LOCATION	SAMPLE DEPTH (FEET)	QA/QC
MND-01-1001-0005	7/28/92	Main Hill	5	
MND-01-1001-3001	7/28/92	Main Hill		Ambient Blank
MND-01-1001-3002	7/28/92	Main Hill		Ambient Blank
MND-01-1001-5000	7/28/92	Main Hill		Field Blank
MND-01-1002-0003	7/28/92	Main Hill	3	
MND-01-1003-0005	7/28/92	Main Hill	5	
MND-01-1004-0005	7/28/92	Main Hill	5	
MND-01-1005-0005	7/28/92	Main Hill	5	
MND-01-1005-1005	7/28/92	Main Hill		Duplicate
MND-01-1005-2000	7/29/92	Main Hill		Trip Blank
MND-01-1005-3001	7/29/92	Main Hill		Ambient Blank
MND-01-1006-1005	7/29/92	Main Hill		Duplicate
MND-01-1006-3002	7/29/92	Main Hill		Ambient Blank
MND-01-1006-5000	7/29/92	Main Hill		Field Blank
MND-01-1007-0005	7/29/92	Main Hill	5	
MND-01-1008-0005	7/29/92	Main Hill	5	
MND-01-1008-1005	7/29/92	Main Hill		Duplicate
MND-01-1009-0005	7/29/92	Main Hill	5	
MND-01-1010-0005	7/29/92	Main Hill	5	
MND-01-1011-0005	7/29/92	Main Hill	5	
MND-01-1012-0005	7/29/92	Main Hill	5	
MND-01-1013-0005	7/29/92	Main Hill	5	
MND-01-1013-1005	7/29/92	Main Hill		Duplicate
MND-01-1014-0005	7/29/92	Main Hill	5	
MND-01-1014-2000	7/30/92	Main Hill		Trip Blank
MND-01-1015-0005	7/30/92	Main Hill	5	
MND-01-1015-3001	7/30/92	Main Hill		Ambient Blank
MND-01-1015-3002	7/30/92	Main Hill		Ambient Blank
MND-01-1015-5000	7/30/92	Main Hill		Field Blank
MND-01-1016-0003	7/30/92	Main Hill	3	
MND-01-1017-0003	7/30/92	Main Hill	3	
MND-01-1017-1003	7/30/92	Main Hill		Duplicate
MND-01-1018-1003	7/30/92	Main Hill		Duplicate
MND-01-1019-0003	8/04/92	Main Hill	3	
MND-01-1019-3001	8/04/92	Main Hill		Ambient Blank
MND-01-1019-5000	8/04/92	Main Hill		Field Blank
MND-01-1020-0002	7/30/92	Main Hill	2	
MND-01-1020-0002	7/31/92	Main Hill		MS/MSD
MND-01-1020-2000	7/30/92	Main Hill		Trip Blank
MND-01-1021-3001	7/31/92	Main Hill		Ambient Blank
MND-01-1021-5000	7/31/92	Main Hill		Field Blank
MND-01-1046-0005	8/04/92	Main Hill	5	
MND-01-1047-0005	8/04/92	Main Hill	5	
MND-10-1048-0005	8/04/92	Main Hill	5	
MND-01-1050-0003	8/04/92	Main Hill	3	
MND-01-1050-1003	8/04/92	Main Hill		Duplicate
MND-01-1051-0003	8/04/92	Main Hill	3	
MND-01-1051-1003	8/04/92	Main Hill		MS/MSD
MND-01-1052-0003	8/04/92	Main Hill	3	
MND-01-1052-2000	8/05/92	Main Hill		Trip Blank
MND-01-1053-0002	8/05/92	Main Hill	2	
MND-01-1053-1002	8/05/92	Main Hill		MS/MSD
MND-01-1054-0005	8/05/92	Main Hill	5	
MND-01-1054-3001	8/05/92	Main Hill		Ambient Blank
MND-01-1054-5000	8/05/92	Main Hill		Field Blank
MND-01-1055-1005	8/05/92	Main Hill		Duplicate
MND-01-1056-0005	8/05/92	Main Hill	5	
MND-01-1056-1005	8/05/92	Main Hill		Duplicate
MND-01-1057-0005	8/05/92	Main Hill	5	
MND-01-1058-0005	8/05/92	Main Hill	5	
MND-01-1059-0005	8/05/92	Main Hill	5	
MND-01-1062-0003	8/05/92	Main Hill	3	
MND-01-1062-2000	8/05/92	Main Hill		Trip Blank
MND-01-1063-0005	8/11/92	Main Hill	5	
MND-01-1063-3001	8/11/92	Main Hill		Ambient Blank
MND-01-1063-5000	8/11/92	Main Hill		Field Blank
MND-01-1064-0005	8/11/92	Main Hill	5	
MND-01-1065-0005w	8/12/92	Main Hill	5	
MND-01-1065-1005w	8/12/92	Main Hill		Duplicate
MND-01-1065-2000w	8/12/92	Main Hill		Trip Blank
MND-01-1065-2000w	8/12/92	Main Hill		Trip Blank
MND-01-1065-5000w	8/12/92	Main Hill		Field Blank
MND-01-1066-0005	8/11/92	Main Hill	5	

Table II.2. SUMMARY OF DATA IDENTIFCATIONS, LOCATIONS, AND DEPTHS

SAMPLE	DATE	LOCATION	SAMPLE DEPTH (FEET)	QA/QC
MND-01-1066-1005	8/11/92	Main Hill		Duplicate
MND-01-1067-0005	8/11/92	Main Hill	5	
MND-01-1069-1005	8/12/92	Main Hill		Duplicate
MND-01-1070-0005	8/12/92	Main Hill	5	
MND-01-1070-1005	8/12/92	Main Hill		Duplicate
MND-01-1070-2000	8/12/92	Main Hill		Trip Blank
MND-01-1071-0003	8/12/92	Main Hill	3	
MND-01-1071-3001	8/12/92	Main Hill		Ambient Blank
MND-01-1071-5000	8/12/92	Main Hill		Field Blank
MND-01-1072-0005	8/12/92	Main Hill	5	
MND-01-1072-1005	8/12/92	Main Hill		MS/MSD
MND-01-1074-0005	8/12/92	Main Hill	5	
MND-01-1074-1005	8/12/92	Main Hill		Duplicate
MND-01-1075-0005	8/12/92	Main Hill	5	
MND-01-1076-0005	8/12/92	Main Hill	5	
MND-01-1077-0005	8/12/92	Main Hill	5	
MND-01-1078-0005	8/13/92	Main Hill	5	
MND-01-1079-0005	8/13/92	Main Hill	5	
MND-01-1080-0005	8/13/92	Main Hill	5	
MND-01-1080-2000	8/13/92	Main Hill		Trip Blank
MND-01-1081-0005	8/13/92	Main Hill	5	
MND-01-1081-5000	8/13/92	Main Hill		Field Blank
MND-01-1082-0005	8/13/92	Main Hill	5	
MND-01-1082-1005	8/13/92	Main Hill		MS/MSD
MND-01-1083-0005	8/13/92	Main Hill	5	
MND-01-1083-1005	8/13/92	Main Hill		Duplicate
MND-01-1084-0005	8/13/92	Main Hill	5	
MND-01-1085-0005	8/13/92	Main Hill	5	
MND-01-1086-0005	8/13/92	Main Hill	5	
MND-01-1087-0005	8/13/92	Main Hill	5	
MND-01-1088-0005	8/13/92	Main Hill	5	
MND-01-1089-0005	8/13/92	Main Hill	5	
MND-01-1090-0005	8/13/92	Main Hill	5	
MND-01-1091-0005	8/14/92	Main Hill	5	
MND-01-1092-0005	8/14/92	Main Hill	5	
MND-01-1092-2000	8/14/92	Main Hill		Trip Blank
MND-01-1093-0005	8/15/92	Main Hill	5	
MND-01-1093-3002	8/14/92	Main Hill		Ambient Blank
MND-01-1093-5000	8/14/92	Main Hill		Field Blank
MND-01-1094-0005	8/14/92	Main Hill	5	
MND-01-1095-0002	8/14/92	Main Hill	2	
MND-01-1095-1002	8/14/92	Main Hill		MS/MSD
MND-01-1096-0003	8/14/92	Main Hill	3	
MND-01-1096-1003	8/14/92	Main Hill		Duplicate
MND-01-1097-0002	8/14/92	Main Hill	2	
MND-01-1098-0004	8/15/92	Main Hill	4	
MND-01-1099-0005	8/15/92	Main Hill	5	
MND-01-1099-2000	8/15/92	Main Hill		Trip Blank
MND-01-1100-0004	8/15/92	Main Hill	4	
MND-01-1100-2000	8/15/92	Main Hill		Trip Blank
MND-01-1100-3001	8/15/92	Main Hill		Ambient Blank
MND-01-1100-5000	8/15/92	Main Hill		Field Blank
MND-01-1101-0005	8/16/92	Main Hill	5	
MND-01-1101-3002	8/16/92	Main Hill		Ambient Blank
MND-01-1101-5000	8/16/92	Main Hill		Field Blank
MND-01-1102-0005	8/16/92	Main Hill	5	
MND-01-1102-1005	8/16/92	Main Hill		MS/MSD
MND-01-1103-0005	8/16/92	Main Hill	5	
MND-01-1103-1005	8/16/92	Main Hill		Duplicate
MND-01-1104-0003	8/16/92	Main Hill	3	
MND-01-1105-0005w	8/17/92	Main Hill	5	
MND-01-1105-1005w	8/17/92	Main Hill		Duplicate
MND-01-1105-2000w	8/17/92	Main Hill		Trip Blank
MND-01-1105-5000w	8/17/92	Main Hill		Field Blank
MND-01-1106-0003	8/16/92	Main Hill	3	
MND-01-1107-1005	8/16/92	Main Hill		Duplicate
MND-01-1108-0005	8/16/92	Main Hill	5	
MND-01-1109-0005	8/16/92	Main Hill	5	
MND-01-1110-0005	8/16/92	Main Hill	5	
MND-01-1110-2000	8/17/92	Main Hill		Trip Blank
MND-01-1111-0005	8/17/92	Main Hill	5	
MND-01-1111-5000	8/17/92	Main Hill		Field Blank
MND-01-1112-0005	8/17/92	Main Hill	5	

Table II.2. SUMMARY OF DATA IDENTIFCATIONS, LOCATIONS, AND DEPTHS

SAMPLE	DATE	LOCATION	SAMPLE DEPTH (FEET)	QA/QC
MND-01-1113-0005	8/17/92	Main Hill	5	
MND-01-1114-0005	8/17/92	Main Hill	5	
MND-01-1114-1005	8/17/92	Main Hill		Duplicate
MND-01-1115-0005	8/17/92	Main Hill	5	
MND-01-1116-0005	8/18/92	Main Hill	5	
MND-01-1116-1005	8/18/92	Main Hill		MS/MSD
MND-01-1117-0005	8/18/92	Main Hill	5	
MND-01-1117-1005	8/18/92	Main Hill		Duplicate
MND-01-1118-0005	8/18/92	Main Hill	5	
MND-01-1119-0005	8/18/92	Main Hill	5	
MND-01-1120-0005	8/18/92	Main Hill	5	
MND-01-1121-0005	8/18/92	Main Hill	5	
MND-01-1121-2000	8/18/92	Main Hill		Trip Blank
MND-01-1122-0005	8/18/92	Main Hill	5	
MND-01-1122-5000	8/18/92	Main Hill		Field Blank
MND-01-1123-0005	8/18/92	Main Hill	5	
MND-01-1124-0005	8/18/92	Main Hill	5	
MND-01-1125-0005	8/18/92	Main Hill	5	
MND-01-1125-1005	8/18/92	Main Hill		Duplicate
MND-01-1126-0005	8/18/92	Main Hill	5	
MND-01-1126-1005	8/18/92	Main Hill		MS/MSD
MND-01-1127-0005	8/18/92	Main Hill	5	
MND-01-1128-1005	8/18/92	Main Hill		Duplicate
MND-01-1128-3001	8/18/92	Main Hill		Ambient Blank
MND-01-1129-0005	8/18/92	Main Hill	5	
MND-01-1129-2000	8/18/92	Main Hill		Trip Blank
MND-01-2021-0005	8/01/92	Area 7	5	
MND-01-2021-1005	8/01/92	Area 7		Duplicate
MND-01-2021-3002	8/02/92	Area 7		Ambient Blank
MND-01-2021-5000	8/01/92	Area 7		Field Blank
MND-01-2022-0005	8/01/92	Area 7	5	
MND-01-2023-0005	8/01/92	Area 7	5	
MND-01-2023-1005	8/01/92	Area 7		Duplicate
MND-01-2024-0005	8/01/92	Area 7	5	
MND-01-2025-0005	8/01/92	Area 7	5	
MND-01-2026-0005	8/01/92	Area 7	5	
MND-01-2027-0005	8/01/92	Area 7	5	
MND-01-2028-0005	8/01/92	Area 7	5	
MND-01-2029-0005	8/01/92	Area 7	5	
MND-01-2030-0005	8/01/92	Area 7	5	
MND-01-2030-1005	8/01/92	Area 7		MS/MSD
MND-01-2031-0005	8/01/92	Area 7	5	
MND-01-2032-0005	8/02/92	Area 7	5	
MND-01-2033-0005	8/02/92	Area 7	5	
MND-01-2034-0005	8/02/92	Area 7	5	
MND-01-2034-1005	8/02/92	Area 7		Duplicate
MND-01-2035-0005	8/02/92	Area 7	5	
MND-01-2035-1005	8/02/92	Area 7		MS/MSD
MND-01-2035-2000	8/02/92	Area 7		Trip Blank
MND-01-2036-0005w	8/03/92	Area 7	5	
MND-01-2036-1005w	8/03/92	Area 7		Duplicate
MND-01-2036-1005w	8/03/92	Area 7		Duplicate
MND-01-2036-2000	8/03/92	Area 7		Trip Blank
MND-01-2036-3001	8/02/92	Area 7		Ambient Blank
MND-01-2036-5000	8/02/92	Area 7		Field Blank
MND-01-2036-5000w	8/03/92	Area 7		Field Blank
MND-01-2037-0005	8/02/92	Area 7	5	
MND-01-2037-1005	8/02/92	Area 7		Duplicate
MND-01-2038-0005	8/02/92	Area 7	5	
MND-01-2039-0005	8/02/92	Area 7	5	
MND-01-2040-0005	8/02/92	Area 7	5	
MND-01-2041-0005	8/02/92	Area 7	5	
MND-01-2042-0005	8/02/92	Area 7	5	
MND-01-2043-0005	8/02/92	Area 7	5	
MND-01-2043-1005	8/02/92	Area 7		Duplicate
MND-01-2043-2000	8/03/92	Area 7		Trip Blank
MND-01-2043-2000	8/03/92	Area 7		Trip Blank
MND-01-2044-0005	8/03/92	Area 7	5	
MND-01-2044-1005	8/03/92	Area 7		MS/MDS
MND-01-2044-3001	8/03/92	Area 7		Ambient Blank
MND-01-2044-5000	8/03/92	Area 7		Field Blank
MND-01-2045-1005	8/04/92	Area 7		Duplicate
MND-01-2045-2000	8/04/92	Area 7		Trip Blank

Table II.2. SUMMARY OF DATA IDENTIFCATIONS, LOCATIONS, AND DEPTHS

SAMPLE	DATE	LOCATION	SAMPLE DEPTH (FEET)	QA/QC
MND-01-2130-0005	8/19/92	Area 7	5	
MND-01-2130-1005	8/19/92	Area 7		MS/MDS
MND-01-2130-5000	8/19/92	Area 7		Field Blank
MND-01-2131-0005	8/19/92	Area 7	5	
MND-01-2131-1005	8/19/92	Area 7		Duplicate
MND-01-2132-0005	8/19/92	Area 7	5	
MND-01-2133-0005	8/19/92	Area 7	5	
MND-01-2133-3002	8/19/92	Area 7		Ambient Blank
MND-01-2134-0005	8/19/92	Area 7	5	
MND-01-2135-0005	8/19/92	Area 7	5	
MND-01-2135-2000	8/19/92	Area 7		Trip Blank
MND-01-2136-0005	8/24/92	Area 7	5	
MND-01-2136-1005	8/24/92	Area 7		MS/MDS
MND-01-2136-3001	8/24/92	Area 7		Ambient Blank
MND-01-2136-5000	8/24/92	Area 7		Field Blank
MND-01-2137-0005	8/24/92	Area 7	5	
MND-01-2137-1005	8/24/92	Area 7		Duplicate
MND-01-2138-0005	8/24/92	Area 7	5	
MND-01-2139-0005	8/25/92	Area 7	5	
MND-01-2140-0005	8/25/92	Area 7	5	
MND-01-2140-2000	8/25/92	Area 7		Trip Blank
MND-01-2141-0005	8/25/92	Area 7	5	
MND-01-2141-1005	8/25/92	Area 7		MS/MDS
MND-01-2141-5000	8/25/92	Area 7		Field Blank
MND-01-2142-0005	8/25/92	Area 7	5	
MND-01-2142-1005	8/25/92	Area 7		Duplicate
MND-01-2143-0005	8/25/92	Area 7	5	
MND-01-2144-0005	8/25/92	Area 7	5	
MND-01-2145-0005	8/25/92	Area 7	5	
MND-01-2146-0005	8/25/92	Area 7	5	
MND-01-2147-0005	8/25/92	Area 7	5	
MND-01-2147-2000	8/26/92	Area 7		Trip Blank
MND-01-2147-3002	8/25/92	Area 7		Ambient Blank
MND-01-2148-0005	8/26/92	Area 7	5	
MND-01-2148-1005	8/26/92	Area 7		MS/MDS
MND-01-2148-5000	8/26/92	Area 7		Field Blank
MND-01-2149-0005	8/26/92	Area 7	5	
MND-01-2149-1005	8/26/92	Area 7		Duplicate
MND-01-2150-0005	8/26/92	Area 7	5	
MND-01-2151-0005	8/26/92	Area 7	5	
MND-01-2151-3002	8/26/92	Area 7		Ambient Blank
MND-01-2162-0005	8/30/92	Area 7	5	
MND-01-2162-3001	8/30/92	Area 7		Ambient Blank
MND-01-2162-5000	8/30/92	Area 7		Field Blank
MND-01-3152-0005	8/27/92	Area J	5	
MND-01-3152-1005	8/27/92	Area J		MS/MDS
MND-01-3152-2000	8/27/92	Area J		Trip Blank
MND-01-3152-3001	8/26/92	Area J		Ambient Blank
MND-01-3152-5000	8/27/92	Area J		Field Blank
MND-01-3153-0005	8/27/92	Area J	5	
MND-01-3153-3002	8/27/92	Area J		Ambient Blank
MND-01-3154-0005	8/27/92	Area J	5	
MND-01-3154-1005	8/27/92	Area J		Duplicate
MND-01-3155-0005	8/27/92	Area J	5	
MND-01-3156-0005	8/27/92	Area J	5	
MND-01-3156-2000	8/28/92	Area J		Trip Blank
MND-01-3168-5000	8/31/92	Area J		Field Blank
MND-01-3169-0005	8/31/92	Area J	5	
MND-01-3169-1005	8/31/92	Area J		Duplicate
MND-01-3170-0005	8/31/92	Area J	5	
MND-01-3171-0005	8/31/92	Area J	5	
MND-01-3172-0005	8/31/92	Area J	5	
MND-01-3173-0005	8/31/92	Area J	5	
MND-01-3174-0005	8/31/92	Area J	5	
MND-01-3175-0005	9/01/92	Area J	5	
MND-01-3176-0005	8/31/92	Area J	5	
MND-01-3177-0005	9/01/92	Area J	5	
MND-01-3177-1005	9/01/92	Area J		MS/MDS
MND-01-3178-0005	9/01/92	Area J	5	
MND-01-3178-1005	9/01/92	Area J		Duplicate
MND-01-3179-0005	9/01/92	Area J	5	
MND-01-3179-2000	9/01/92	Area J		Trip Blank
MND-01-3180-0005	9/01/92	Area J	5	

Table II.2. SUMMARY OF DATA IDENTIFCATIONS, LOCATIONS, AND DEPTHS

SAMPLE	DATE	LOCATION	SAMPLE DEPTH (FEET)	QA/QC
MND-01-3180-1005	9/01/92	Area J		MS/MDS
MND-01-3180-3001	9/01/92	Area J		Ambient Blank
MND-01-3180-5000	9/01/92	Area J		Field Blank
MND-01-3181-0005	9/01/92	Area J	5	
MND-01-3181-0005	9/01/92	Area J	5	
MND-01-3181-1005	9/01/92	Area J		Duplicate
MND-01-3182-0005	9/01/92	Area J	5	
MND-01-3183-0005	9/01/92	Area J	5	
MND-01-3185-0005	9/01/92	Area J	5	
MND-01-3187-0005	9/01/92	Area J	5	
MND-01-3188-0005	9/01/92	Area J	5	
MND-01-3188-2000	9/01/92	Area J		Trip Blank
MND-01-4157-0015	8/28/92	Building 51	15	
MND-01-4157-0025w	8/28/92	Building 51	25	
MND-01-4157-1015	8/28/92	Building 51		MS/MDS
MND-01-4157-1025w	8/28/92	Building 51		MS/MDS
MND-01-4157-2000	8/29/92	Building 51		Trip Blank
MND-01-4157-2000w	8/28/92	Building 51		Trip Blank
MND-01-4157-3001	8/28/92	Building 51		Ambient Blank
MND-01-4157-5000	8/28/92	Building 51		Field Blank
MND-01-4157-5000w	8/28/92	Building 51		Field Blank
MND-01-4158-0015	8/29/92	Building 51	15	
MND-01-4158-0025	8/29/92	Building 51	25	
MND-01-4158-1025	8/29/92	Building 51		Duplicate
MND-01-4158-3001	8/29/92	Building 51		Ambient Blank
MND-01-4158-5000	8/29/92	Building 51		Field Blank
MND-01-4159-0015	8/29/92	Building 51	15	
MND-01-4159-0025	8/29/92	Building 51	25	
MND-01-4159-1015	8/29/92	Building 51		MS/MDS
MND-01-4160-0015	8/29/92	Building 51	15	
MND-01-4160-0025w	8/30/92	Building 51	25	
MND-01-4160-1025w	8/30/92	Building 51		Duplicate
MND-01-4160-2000w	8/30/92	Building 51		Trip Blank
MND-01-4160-5000w	8/30/92	Building 51		Field Blank
MND-01-4161-0015	8/29/92	Building 51	15	
MND-01-4161-1025	8/29/92	Building 51		Duplicate
MND-01-4161-2000	8/29/92	Building 51		Trip Blank
MND-01-4163-0015	8/30/92	Building 51	15	
MND-01-4163-1015	8/30/92	Building 51		Duplicate
MND-01-4163-3001	8/30/92	Building 51		Ambient Blank
MND-01-4164-0013	8/30/92	Building 51	13	
MND-01-4164-1013	8/30/92	Building 51		MS/MDS
MND-01-4165-0015	8/31/92	Building 51	15	
MND-01-4165-0025	8/31/92	Building 51	25	
MND-01-4166-0015	8/31/92	Building 51	15	
MND-01-4166-0025	8/31/92	Building 51	25	
MND-01-4167-0015	8/31/92	Building 51	15	
MND-01-4167-0025	8/31/92	Building 51	25	
MND-01-4167-2000	8/31/92	Building 51		Trip Blank
MND-01-3168-0005	8/31/92	Area J	5	
MND-01-3168-1005	8/31/92	Area J		MS/MDS
MND-01-3168-3001	8/31/92	Area J		Ambient Blank
MND-01-1189-5000	9/24/92	Main Hill		Field Blank
MND-01-1189-3001	9/24/92	Main Hill		Ambient Blank
MND-01-1189-0005	9/24/92	Main Hill	5	
MND-01-1189-1005	9/24/92	Main Hill		Duplicate
MND-01-1190-0005	9/24/92	Main Hill	5	
MND-01-1190-1005	9/24/92	Main Hill		Duplicate
MND-01-1191-0005	9/24/92	Main Hill	5	
MND-01-1191-1005	9/24/92	Main Hill		MS/MDS
MND-01-1192-0005	9/24/92	Main Hill	5	
MND-01-1193-0005	9/24/92	Main Hill	5	
MND-01-1194-0005	9/24/92	Main Hill	5	
MND-01-1195-0005	9/25/92	Main Hill	5	
MND-01-1196-0005	9/25/92	Main Hill	5	
MND-01-1196-2000	9/25/92	Main Hill		Trip Blank
MND-01-1197-5000	9/25/92	Main Hill		Field Blank
MND-01-1197-3000	9/25/92	Main Hill		Ambient Blank
MND-01-1197-0002	9/25/92	Main Hill	2	
MND-01-1197-1002	9/25/92	Main Hill		MS/MDS
MND-01-1198-0006	9/25/92	Main Hill	6	
MND-01-1198-0006	9/25/92	Main Hill		MS/MDS
MND-01-1199-0002	9/25/92	Main Hill	2	

Table II.2. SUMMARY OF DATA IDENTIFCATIONS, LOCATIONS, AND DEPTHS

SAMPLE	DATE	LOCATION	SAMPLE DEPTH (FEET)	QA/QC
MND-01-1201-0007	9/25/92	Main Hill	7	
MND-01-1201-1007	9/25/92	Main Hill		Duplicate
MND-01-1202-0002	9/25/92	Main Hill	2	
MND-01-1202-1002	9/25/92	Main Hill		Duplicate
MND-01-1203-0002	9/25/92	Main Hill	2	
MND-01-1204-0005	9/25/92	Main Hill	5	
MND-01-1205-0005	9/25/92	Main Hill	5	
MND-01-1206-0005	9/26/92	Main Hill	5	
MND-01-1207-0005	9/25/92	Main Hill	5	
MND-01-1208-0005	9/26/92	Main Hill	5	
MND-01-1208-2000	9/26/92	Main Hill		Trip Blank
MND-01-3209-5000	9/26/92	Area J		Field Blank
MND-01-3209-3000	9/26/92	Area J		Ambient Blank
MND-01-3209-0017	9/26/92	Area J	17	
MND-01-3209-1017	9/26/92	Area J		MS/MDS
MND-01-3210-0020	9/26/92	Area J	20	
MND-01-3210-1020	9/26/92	Area J		Duplicate
MND-01-2211-3000	9/26/92	Area 7		Ambient Blank
MND-01-2211-0015	9/26/92	Area 7	15	
MND-01-2212-0015	9/26/92	Area 7	15	
MND-01-2213-0005	9/26/92	Area 7	5	
MND-01-2214-0005	9/26/92	Area 7	5	
MND-01-2215-0005	9/26/92	Area 7	5	
MND-01-2216-0005	9/26/92	Main Parking Lot	5	
MND-01-2217-0005	9/26/92	Main Parking Lot	5	
MND-01-2218-0005	9/26/92	Main Parking Lot	5	
MND-01-2219-0005	9/26/92	Main Parking Lot	5	
MND-01-2220-0005	9/26/92	Main Parking Lot	5	
MND-01-2220-3002	9/27/92	Main Parking Lot		Ambient Blank
MND-01-2220-2000	9/27/92	Main Parking Lot		Trip Blank
MND-01-5221-5000	9/27/92	Southwest Main Hill		Field Blank
MND-01-5221-3000	9/27/92	Southwest Main Hill		Ambient Blank
MND-01-5221-0005	9/27/92	Southwest Main Hill	5	
MND-01-5221-1005	9/27/92	Southwest Main Hill		MS/MSD
MND-01-5222-0005	9/27/92	Southwest Main Hill	5	
MND-01-5222-1005	9/27/92	Southwest Main Hill		Duplicate
MND-01-5223-0005	9/27/92	Southwest Main Hill	5	
MND-01-5224-0005	9/27/92	Southwest Main Hill	5	
MND-01-5225-0005	9/27/92	Southwest Main Hill	5	
MND-01-5226-0005	9/27/92	Southwest Main Hill	5	
MND-01-5226-2000	9/27/92	Southwest Main Hill		Trip Blank
MND-01-1227-5000	9/28/92	Main Hill		Field Blank
MND-01-1227-3000	9/28/92	Main Hill		Ambient Blank
MND-01-1227-0005	9/28/92	Main Hill	5	
MND-01-1228-0005	9/28/92	Main Hill	5	
MND-01-1229-0005	9/28/92	Main Hill	5	
MND-01-1229-1005	9/28/92	Main Hill		MS/MSD
MND-01-1230-0005	9/28/92	Main Hill	5	
MND-01-1230-1005	9/28/92	Main Hill		Duplicate
MND-01-1231-0005	9/28/92	Main Hill	5	
MND-01-1232-0005	9/28/92	Main Hill	5	
MND-01-1232-2000	9/28/92	Main Hill		Trip Blank
MND-01-1233-5000	9/29/92	Main Hill		Field Blank
MND-01-1233-3001	9/29/92	Main Hill		Ambient Blank
MND-01-1233-0002	9/29/92	Main Hill	2	
MND-01-1233-1002	9/29/92	Main Hill		Duplicate

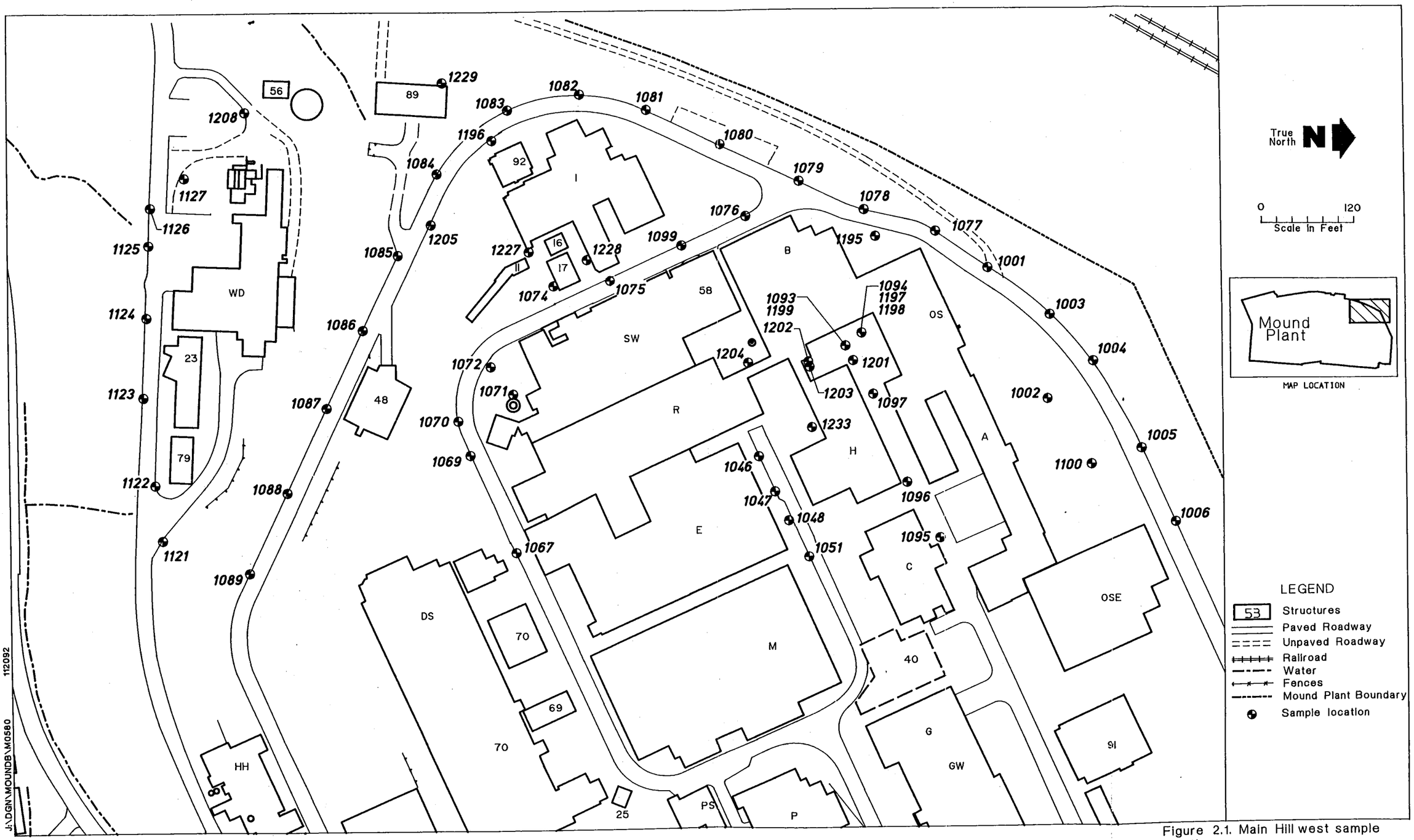

Figure 2.1. Main Hill west sample location map.

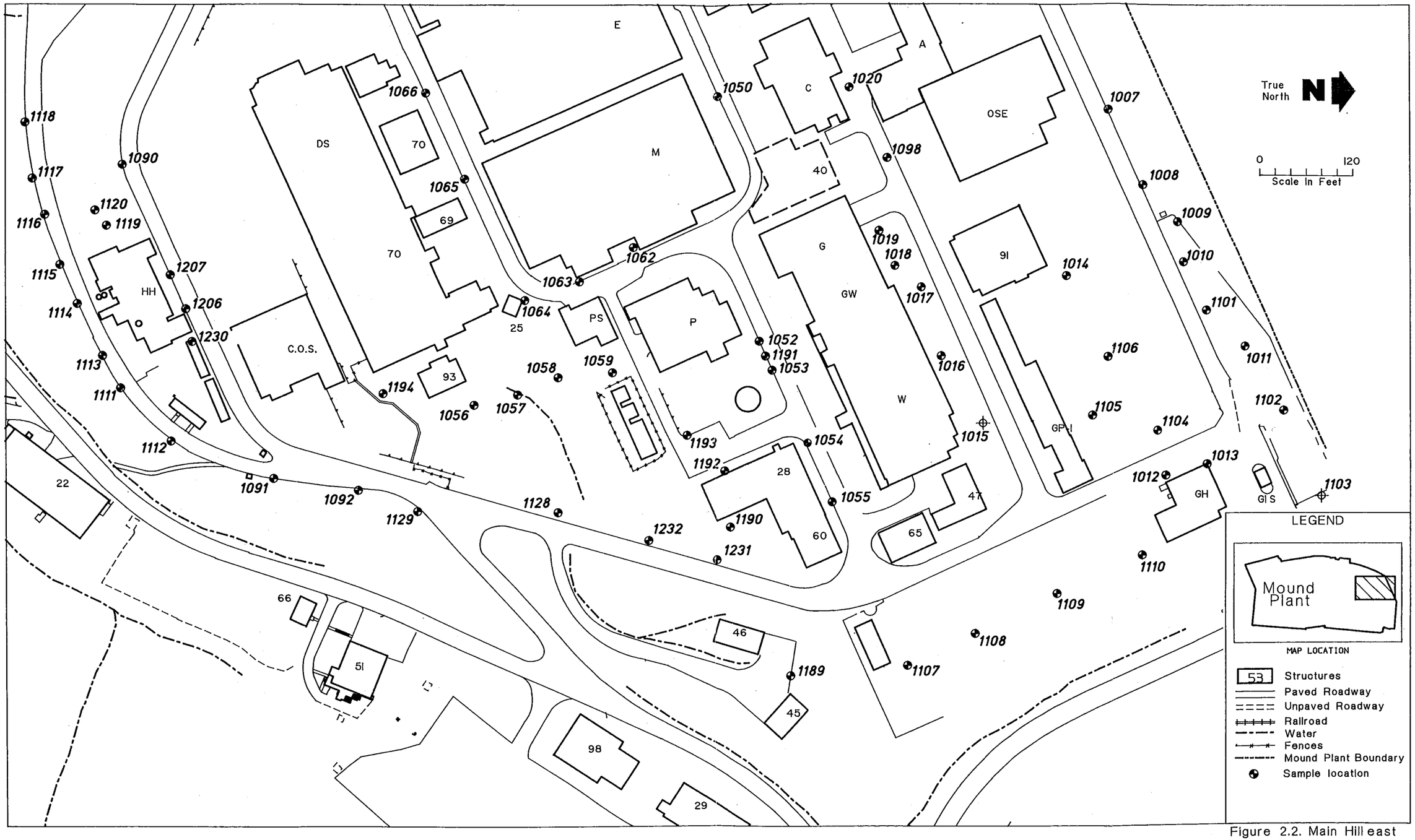

Figure 2.2. Main Hill east sample location map.

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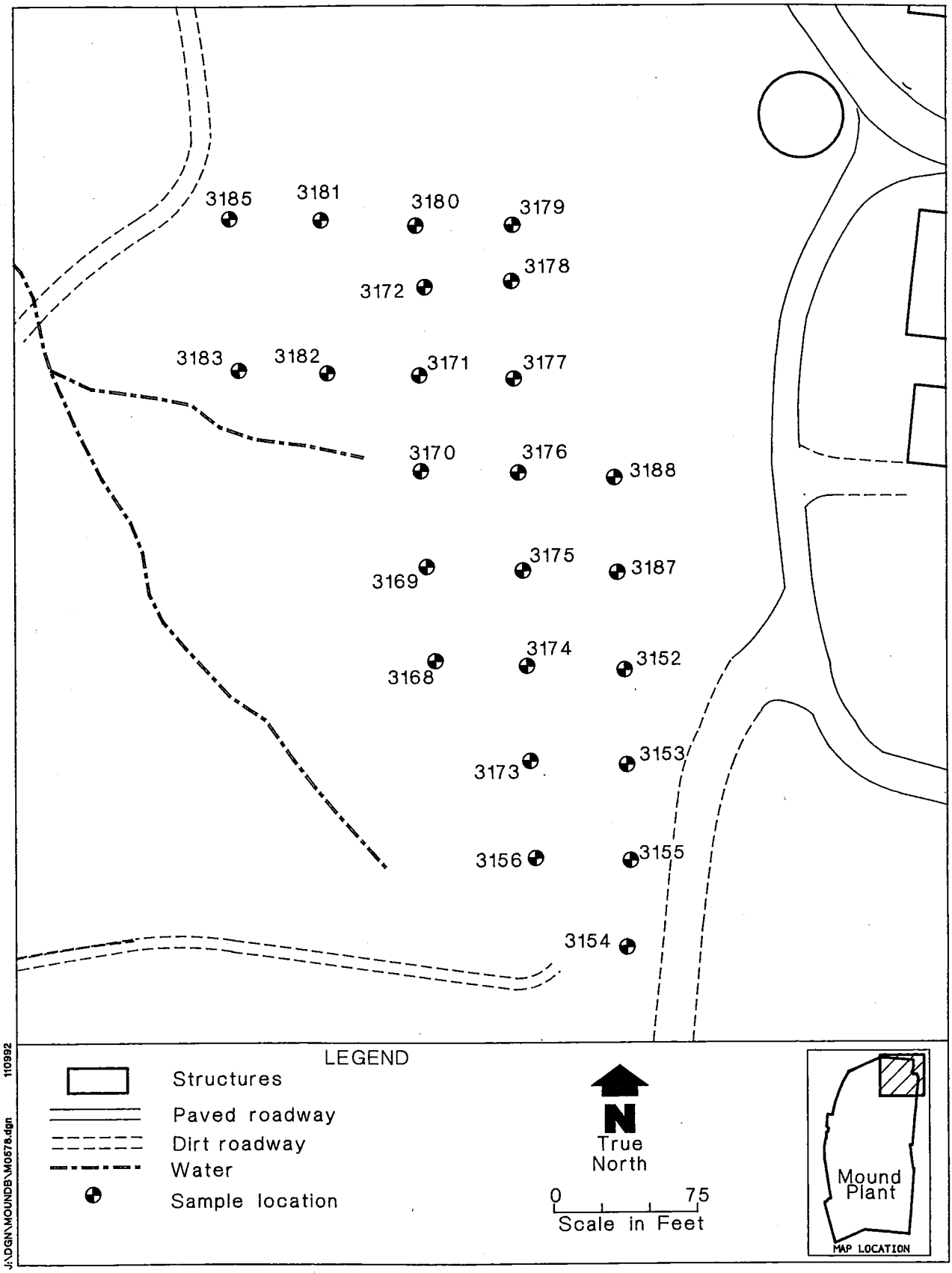

Figure 2.3. Area J sample location map.

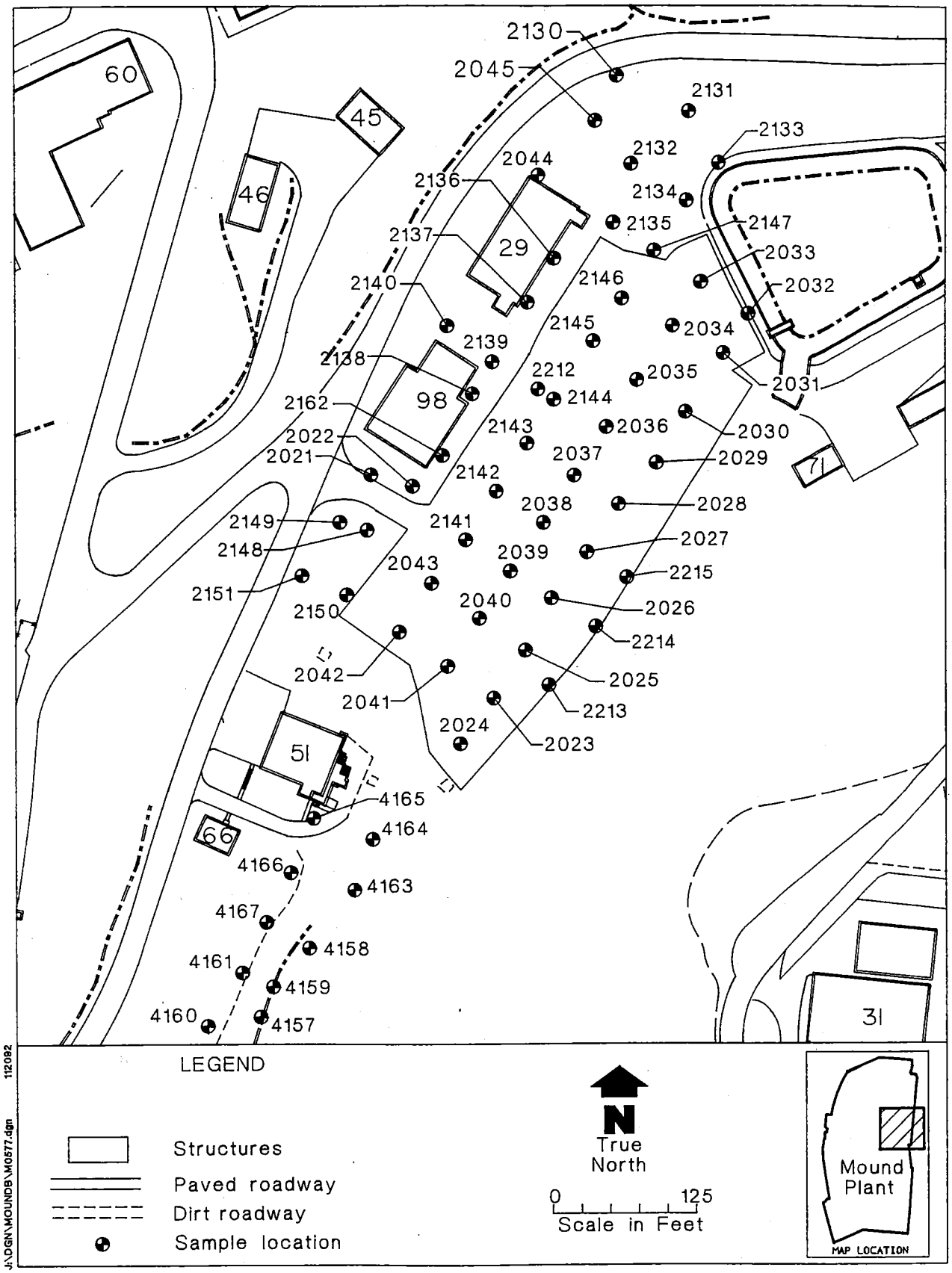

Figure 2.4. Area 7 and Building 51 sample location map.

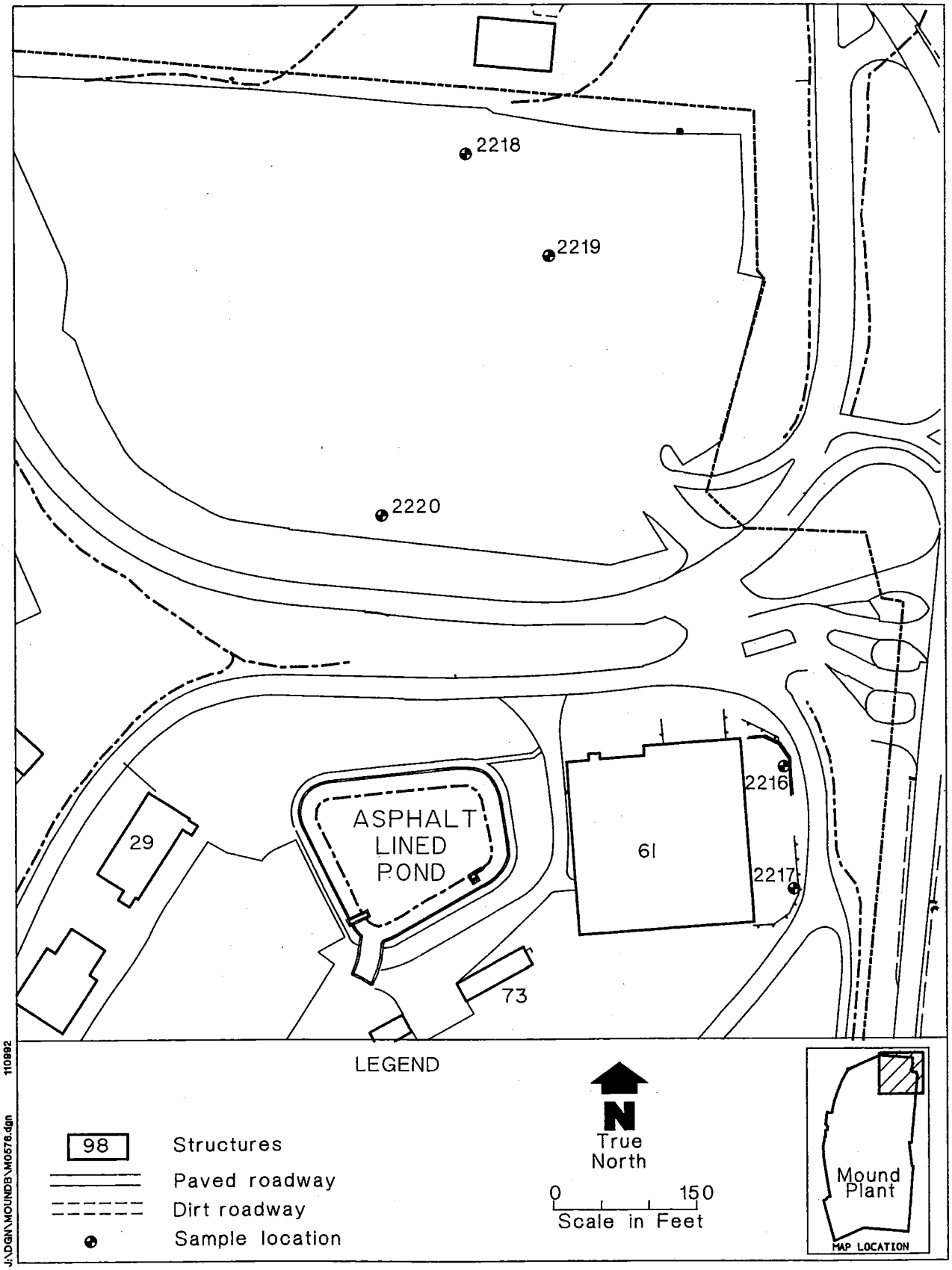

Figure 2.5. Main parking lot sample location map.

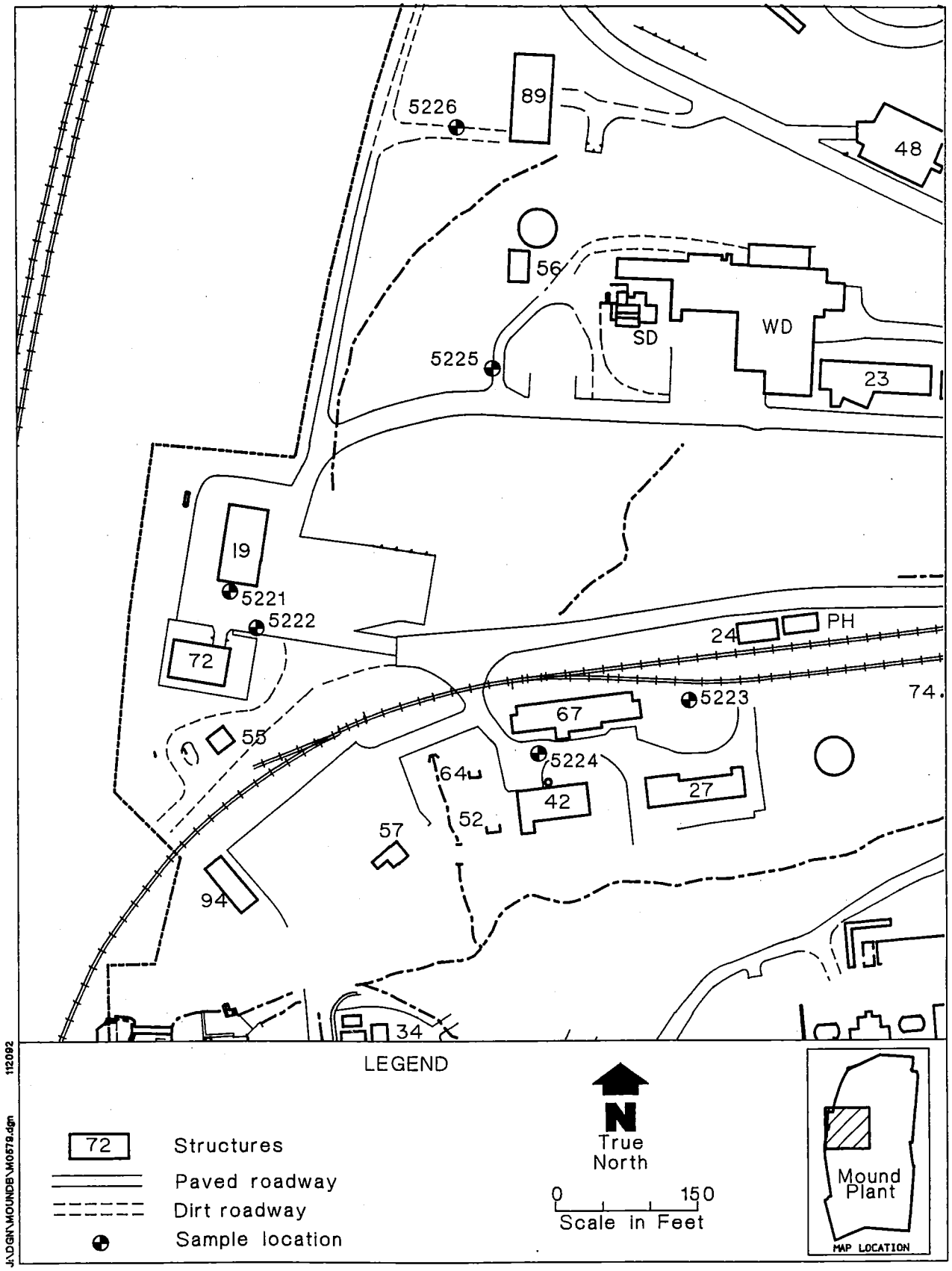

Figure 2.6. Southwest of Main Hill sample location map.

Table II.3. FIELD SAMPLING EFFORT DEVIATIONS FROM WORK PLAN

SAMPLE I.D.	LOCATION	DEVIATION FROM WORK PLAN	EXPLANATION FOR DEVIATION
MND-01-1002-0003	Main Hill	3' sample depth instead of 5'.	Four attempts were made to get to 5' depth, but encountered bedrock refusal at 4' and 3'.
MND-01-1016-0003	Main Hill	3' sample depth instead of 5'.	Four attempts were made to get to 5' depth, but encountered bedrock refusal at 4' and 3'.
MND-01-1017-0003	Main Hill	3' sample depth instead of 5'.	Four attempts were made to get to 5' depth, but encountered bedrock refusal at 4' and 3'.
MND-01-1018-0003	Main Hill	3' sample depth instead of 5'.	Four attempts were made to get to 5' depth, but encountered bedrock refusal at 4' and 3'.
MND-01-1019-0003	Main Hill	3' sample depth instead of 5'.	Four attempts were made to get to 5' depth, but encountered bedrock refusal at 4' and 3'.
MND-01-1020-0002	Main Hill	2' sample depth instead of 5'.	Four attempts were made to get to 5' depth, but encountered bedrock at 2'.
MND-01-1049	Main Hill	No sample obtained.	Due to underground and overhead utilities and concrete greater than 4" thick, a maximum depth of 1 foot was achieved. A concrete cutter was not used because water would be introduced during the cutting process.
MND-01-1050-0003	Main Hill	3' sample depth instead of 5'.	Four attempts were made to get to 5' depth, but encountered bedrock refusal at 3'.
MND-01-1051-0003	Main Hill	3' sample depth instead of 5'.	Four attempts were made to get to 5' depth, but encountered bedrock refusal at 3'.
MND-01-1052-0003	Main Hill	3' sample depth instead of 5'.	Four attempts were made to get to 5' depth, but encountered bedrock refusal at 2' and 3'.

Table II.3. FIELD SAMPLING EFFORT DEVIATIONS FROM WORK PLAN (Cont.)

SAMPLE I.D.	LOCATION	DEVIATION FROM WORK PLAN	EXPLANATION FOR DEVIATION
MND-01-1053-0002	Main Hill	2' sample depth instead of 5'.	Bedrock refusal was encountered at 2' on 3 attempts. Sample was taken on third attempt because refusal was consistent on each attempt and sample MND-01-1052-0003 also had shallow refusal.
MND-01-1060	Main Hill	No sample obtained.	Two attempts were made with a maximum depth of 1.5 feet achieved. Concrete upto 18" thick. Shallow bedrock seen by excavated stanchion within 10 feet of sample location.
MND-01-1061	Main Hill	No sample obtained.	Three attempts were made with a maximum depth of 1.5 feet achieved. Concrete upto 18" thick. Shallow bedrock seen by excavated stanchion within 10 feet of sample location.
MND-01-1062-0003	Main Hill	3' sample depth instead of 5'.	Only one attempt was made with refusal at 3'. The sample was taken because shallow refusal was encountered at MND-01-1060 & MND-01-1061 locations.
MND-01-1068	Main Hill	No sample obtained.	Two attempts were made, but the concrete was greater than 4".
MND-01-1071-0003	Main Hill	3' sample depth instead of 5'.	Two attempts were made with a maximum depth of 3'. The refusal is probably due to the large concrete footers at the base of the stack.
MND-01-1073	Main Hill	No sample taken.	One attempt was made with refusal at 3". No further attempts were made because concrete was greater than 4" and due to utilities and proximity of other sample locations nearby.

Table II.3. FIELD SAMPLING EFFORT DEVIATIONS FROM WORK PLAN (Cont.)

SAMPLE I.D.	LOCATION	DEVIATION FROM WORK PLAN	EXPLANATION FOR DEVIATION
MND-01-1095-0002	Main Hill	2' sample depth instead of 5'.	The sample was obtained on the second attempt of 2', because at MND-01-1020-0002 location (~40' east) four attempts were made with 2' refusals at each.
MND-01-1096-0003	Main Hill	3' sample depth instead of 5'.	Three attempts were made with maximum refusal at 3'. No additional attempts were made because of the refusals at MND-01-1095 & MND-01-1020.
MND-01-1097-0002	Main Hill	2' sample depth instead of 5'.	Four attempts were made to get to 5' depth, but refusal was encountered on each attempt.
MND-01-1098-0004	Main Hill	4' sample depth instead of 5'.	Two attempts were made to get to 5' depth. No further attempts were made due to consistancy of refusal depth and utilities.
MND-01-1100-0004	Main Hill	4' sample depth instead of 5'.	Two attempts were made to get to 5' depth. No further attempt was made due to consistancy of refusal depth and with MND-01-1002-0003 refusal depths.
MND-01-1104-0003	Main Hill	3' sample depth instead of 5'.	Three attempts were made to get to 5' depth. No further attempts were made due to consistancy of refusal depth.
MND-01-1106-0003	Main Hill	3' sample depth instead of 5'.	Two attempts were made to get to 5' depth. No further attempt was made because MND-01-1104-0003 also had shallow refusal.
MND-01-4163-0025	Bldg. 51	No sample taken.	Two attempts were made to get to 25' depth. No further attempts were made because the location was away from the major fill of the buried valley.

Table II.3. FIELD SAMPLING EFFORT DEVIATIONS FROM WORK PLAN (Cont.)

SAMPLE I.D.	LOCATION	DEVIATION FROM WORK PLAN	EXPLANATION FOR DEVIATION
MND-01-4164-0013	Bldg. 51	13' sample depth instead of 15'.	Two attempts were made to get to 15' depth. No further attempts were made because the location was away from the major fill of the buried valley.
MND-01-4164-0025	Bldg. 51	No sample taken.	No further attempts were made since MND-01-4164-0013 had refusal.
Three locations between buildings E & M	Main Hill	No sample taken.	No samples were collected because utility clearance could not be obtained.
MND-01-3184	Area J	No sample obtained.	Shallow depth soil probe refusal. Manually driven.
MND-01-3186	Area J	No sample obtained.	Shallow depth soil probe refusal. Manually driven.
MND-01-1200	Main Hill	No sample obtained.	Sample planned for 7' depth at location 1093. Soil probe refusal.

2.3. RESULTS

The following subsections present the analytical findings of the soil gas survey. The results are presented in tabular and graphical form for each of the six base maps described in Subsection 2.2. All data is shown in parts per billion (ppb), which was derived from the ug/l output of the mobile laboratory using the gas conversion equation:

$$C_{ppm} = C_{ug/l} \frac{(RT)}{(PM)}$$

where,

C = Concentration P = 1 atm
R = 0.08205 L-atm/deg-mole M = Molecular weight in grams.
T = Temp K° = 298°K

The analytical findings for each area are presented graphically for each detected target compound. These figures do not include detections which are qualified with a corresponding trip blank, ambient blank, equipment blank, or field blank detection; however, for comparative value the data tables summarizing the positive detections for each area do show all detections, including those with associated blank interferences.

2.3.1. Main Hill

A total of 156 investigative samples were collected and analyzed from the Main Hill at depths ranging from 2 to 7 feet. In most cases, the samples were collected from the bedrock/unconsolidated soil interface where soil probe penetration ceased. Groundwater samples were collected at two (1105 and 1065) of the 156 locations on the Main Hill due to the presence of water within the soil vapor probes. Samples 1049 and 1060 were not collected due to the repeated failed attempts to drive the probe through the shallow bedrock, and due to access problems associated with overhead and underground utilities. Samples 1068 and 1073 were not collected due to the presence of greater than 4 inches of concrete pavement overlying the area. Sample 1200 was not collected as the deep sample at location 1093 due to soil probe refusal.

Table II.4 summarizes the positive detections from the Main Hill sampling effort. All eight target compounds were detected. Freon 11 was detected at four locations at concentrations ranging from 2 to 801 ppb (Figures 2.7 and 2.8). Freon 113 was detected at 25 locations at concentrations ranging from 4 to 131,000 ppb (Figures 2.9 and 2.10). Trans-1,2-dichloroethylene (T12DCE) was detected at five locations ranging from 13 to 247 ppb (Figure 2.11). Cis-1,2-dichloroethylene (CIS12DCE) was detected at seven locations ranging from 120 to 40,800 ppb (Figure 2.12). The compound 1,1,1-Trichloroethane (111TCA) was detected at 13 locations ranging from 2 to 315 ppb (Figures 2.13 and 2.14). Tetrachloroethylene (PCE) was detected at eight locations ranging from 3 to 1,191 ppb (Figures

TABLE II.4. SUMMARY OF POSITIVE DETECTIONS–MAIN HILL
(ppb)

SAMPLE ID	SAMPLE DATE	FREON 11	FREON 113	TRAN–12DCE	CIS–12DCE	111TCA	PCE	TCE	TOLUENE
MND–01–1002–1003	28 JUL 92	---	---	---	---	---	---	---	40
MND–01–1003–0005	28 JUL 92	---	---	---	---	---	---	---	3 *
MND–01–1005–0005	28 JUL 92	---	---	---	---	---	---	---	21 *
MND–01–1007–0005	29 JUL 92	---	---	---	---	---	---	2	---
MND–01–1008–0005	29 JUL 92	---	---	---	---	---	---	---	5
MND–01–1008–1005	29 JUL 92	---	---	---	---	---	---	---	3
MND–01–1009–0005	29 JUL 92	---	---	---	---	---	---	4	19
MND–01–1010–0005	29 JUL 92	---	---	---	---	---	---	---	13
MND–01–1014–0005	29 JUL 92	---	---	---	---	---	---	---	8
MND–01–1016–0003	30 JUL 92	---	---	---	---	---	---	2	8
MND–01–1046–0005	4 AUG 92	---	---	---	---	2	---	188	3 *
MND–01–1047–0005	4 AUG 92	---	---	---	---	7	---	4	---
MND–01–1048–0005	4 AUG 92	---	---	---	---	6	---	4	---
MND–01–1050–0003	4 AUG 92	---	---	---	---	---	---	8	---
MND–01–1050–1003	4 AUG 92	---	---	---	---	---	---	17	27 *
MND–01–1051–0003	4 AUG 92	---	---	---	---	---	---	8	5 *
MND–01–1052–0003	4 AUG 92	---	---	---	---	---	---	---	13 *
MND–01–1053–0002	5 AUG 92	2	---	---	---	---	---	---	447
MND–01–1054–0005	5 AUG 92	4	---	---	---	7	---	226 *	11
MND–01–1055–1005	5 AUG 92	---	---	---	---	---	---	4 *	5
MND–01–1057–0005	5 AUG 92	---	---	---	---	---	---	---	24
MND–01–1062–0003	5 AUG 92	---	---	---	---	13	---	6	---
MND–01–1064–0005	11 AUG 92	---	---	---	---	---	---	---	19
MND–01–1066–0005	11 AUG 92	---	---	---	---	6	---	---	226
MND–01–1067–0005	11 AUG 92	---	---	---	---	---	---	11	133
MND–01–1069–1005	12 AUG 92	---	---	---	---	---	---	---	37
MND–01–1070–0005	12 AUG 92	---	---	---	---	---	---	---	5
MND–01–1070–1005	12 AUG 92	---	---	---	---	---	---	---	5
MND–01–1072–0005	12 AUG 92	---	---	---	---	---	---	---	106
MND–01–1074–0005	12 AUG 92	---	799	---	---	---	1191	---	5
MND–01–1074–1005	12 AUG 92	---	812	---	---	---	1117	---	5
MND–01–1075–0005	12 AUG 92	---	---	---	---	---	---	---	80
MND–01–1076–0005	12 AUG 92	---	2934	---	---	148	---	---	---
MND–01–1077–0005	12 AUG 92	---	---	---	---	---	---	---	27
MND–01–1079–0005	13 AUG 92	---	13	---	---	---	---	---	---
MND–01–1080–0005	13 AUG 92	---	13	---	---	---	---	---	---
MND–01–1085–0005	13 AUG 92	---	102	---	---	22	---	41	---
MND–01–1086–0005	13 AUG 92	---	47	---	---	---	---	---	---
MND–01–1093–0005	15 AUG 92	---	**131000	247	40800	---	---	**34780	53 *
MND–01–1094–0005	14 AUG 92	---	83	13	485	---	---	978	---
MND–01–1097–0002	14 AUG 92	---	---	---	---	---	---	6	8
MND–01–1099–0005	15 AUG 92	---	---	---	---	---	---	4	8 *
MND–01–1101–0005	16 AUG 92	---	865	---	---	---	---	---	8
MND–01–1102–0005	16 AUG 92	---	419	---	---	---	---	---	13
MND–01–1106–0003	16 AUG 92	---	329	---	---	---	---	6	---
MND–01–1108–0005	16 AUG 92	---	---	---	---	---	---	6	---
MND–01–1109–0005	16 AUG 92	---	---	---	---	---	---	8	13
MND–01–1110–0005	16 AUG 92	---	---	---	---	---	---	---	255

TABLE II.4. SUMMARY OF POSITIVE DETECTIONS–MAIN HILL
(ppb)

SAMPLE ID	SAMPLE DATE	FREON 11	FREON 113	TRAN–12DCE	CIS–12DCE	111TCA	PCE	TCE	TOLUENE
MND–01–1113–0005	17 AUG 92	---	---	---	---	---	---	11	---
MND–01–1114–0005	17 AUG 92	---	9	---	---	315	10	357	5 *
MND–01–1114–1005	17 AUG 92	---	---	---	---	259	9	263	3 *
MND–01–1115–0005	17 AUG 92	---	---	---	---	56	---	13	---
MND–01–1117–0005	18 AUG 92	---	---	---	---	---	12	8	---
MND–01–1117–1005	18 AUG 92	---	---	---	---	---	15	9	---
MND–01–1118–0005	18 AUG 92	---	---	---	---	---	3	---	---
MND–01–1119–0005	18 AUG 92	---	---	---	---	---	---	---	213
MND–01–1122–0005	18 AUG 92	801	13	---	---	---	---	---	---
MND–01–1123–0005	18 AUG 92	---	---	---	---	---	---	---	5 *
MND–01–1124–0005	18 AUG 92	---	---	---	---	---	---	---	8884 *
MND–01–1127–0005	18 AUG 92	---	---	---	---	---	4	---	27 *
MND–01–1129–0005	18 AUG 92	---	10	---	---	37	12	4	11 *
MND–01–1190–0005	24 SEP 92	240	477	---	---	---	---	---	3 *
MND–01–1190–1005	24 SEP 92	287	707	---	---	---	---	---	3 *
MND–01–1192–0005	24 SEP 92	---	---	---	---	---	---	---	5 *
MND–01–1193–0005	24 SEP 92	---	---	---	---	---	---	---	16 *
MND–01–1196–0005	25 SEP 92	---	---	---	---	---	---	4	64
MND–01–1197–0002	25 SEP 92	---	---	---	---	---	---	23	5
MND–01–1198–0006	25 SEP 92	---	24	13	518	33	---	474	5
MND–01–1199–0002	25 SEP 92	---	10218	---	120	---	---	479	---
MND–01–1201–0007	25 SEP 92	---	4716	13	811	---	---	130	48
MND–01–1201–1007	25 SEP 92	---	5895	---	612	---	---	117	43
MND–01–1202–0002	25 SEP 92	---	6419	66	2499	9	---	1921	3
MND–01–1202–1002	25 SEP 92	---	9301	41	1706	---	---	1737	---
MND–01–1203–0002	25 SEP 92	---	1475	---	334	---	---	45	192
MND–01–1204–0005	25 SEP 92	---	453	---	---	---	---	11	5
MND–01–1205–0005	25 SEP 92	---	---	---	---	---	---	---	21
MND–01–1206–0005	26 SEP 92	---	---	---	---	---	---	---	23142
MND–01–1207–0005	26 SEP 92	---	---	---	---	---	---	---	90
MND–01–1227–0005	28 SEP 92	---	10	---	---	---	---	---	4788
MND–01–1228–0005	28 SEP 92	---	---	---	---	---	---	---	11
MND–01–1230–0005	28 SEP 92	---	---	---	---	---	---	---	13
MND–01–1230–1005	28 SEP 92	---	---	---	---	---	---	---	5
MND–01–1231–0005	28 SEP 92	---	48	---	---	---	34	21	5
MND–01–1232–0005	28 SEP 92	---	4	---	---	---	13	8	24
MND–01–1233–0002	29 SEP 92	---	29	---	---	---	---	---	72
MND–01–1233–1002	29 SEP 92	---	29	---	---	---	---	---	64

Notes:

Only sample locations having positive detections are shown.
*: Associated trip, ambient, equipment or field blank contained specified compound.
B: Indicates blank sample.
w: Indicates water sample.
**: Freon 113 & TCE Off–Scale

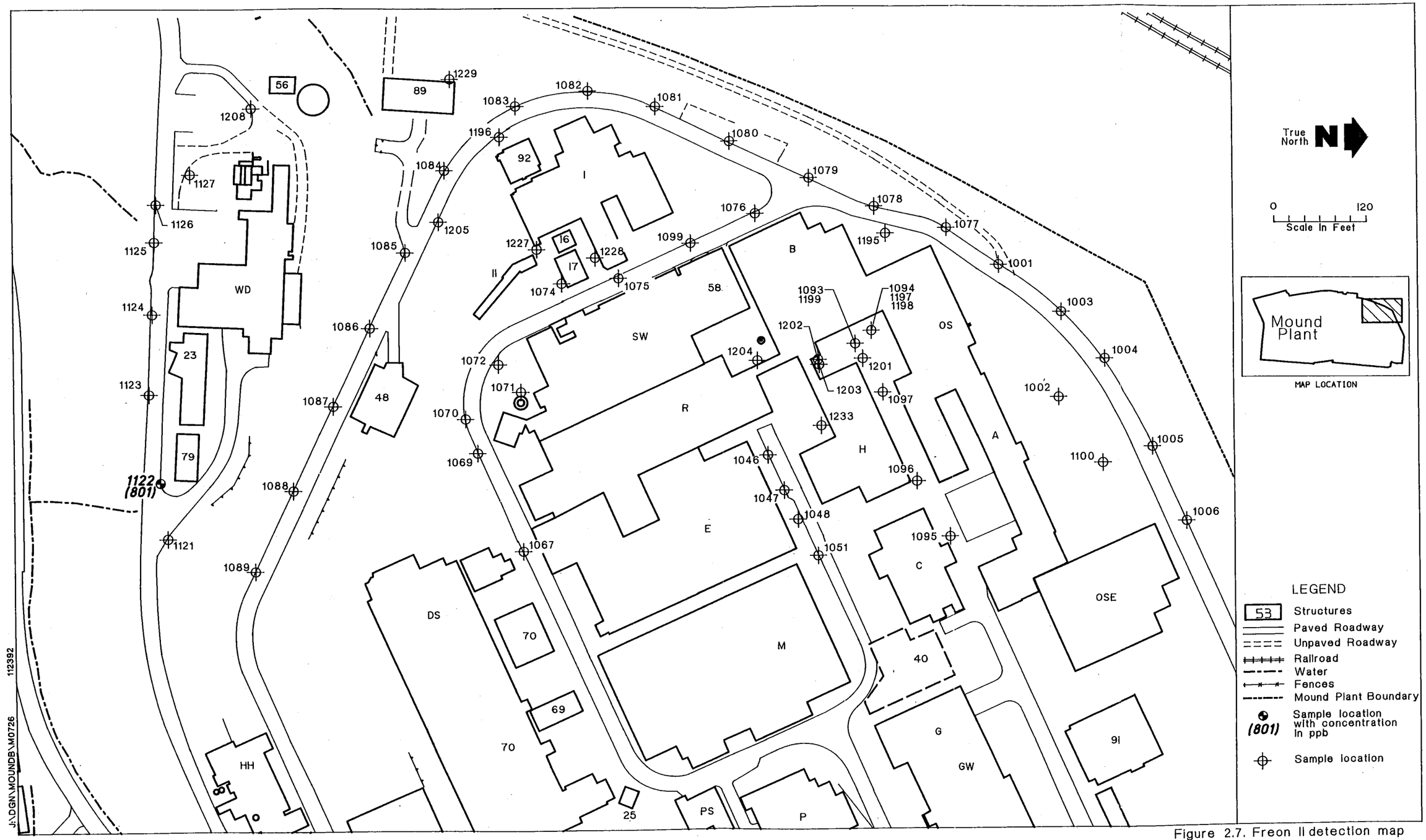

Figure 2.7. Freon II detection map for Main Hill West.

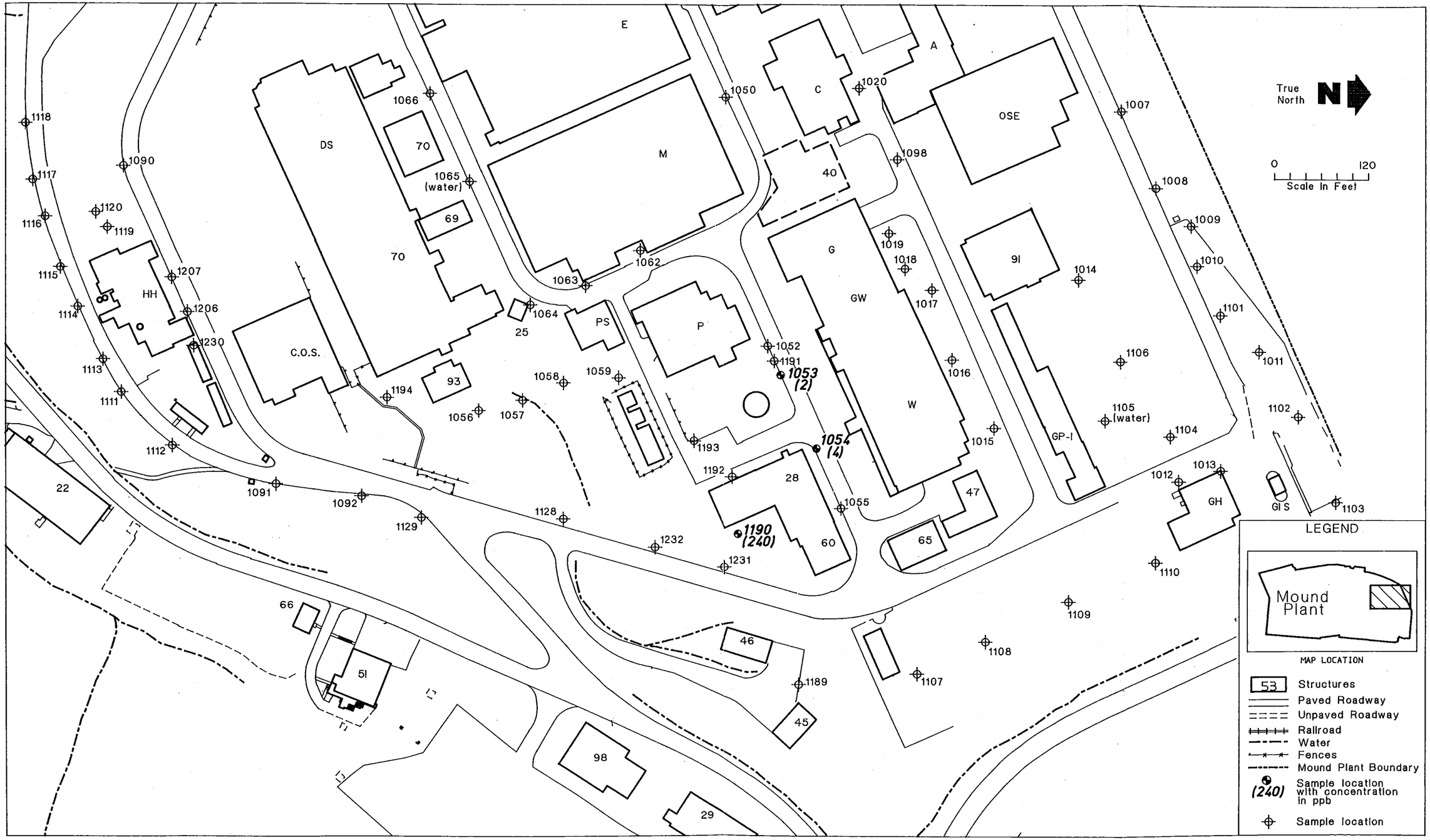

Figure 2.8. Freon II detection map for Main Hill East.

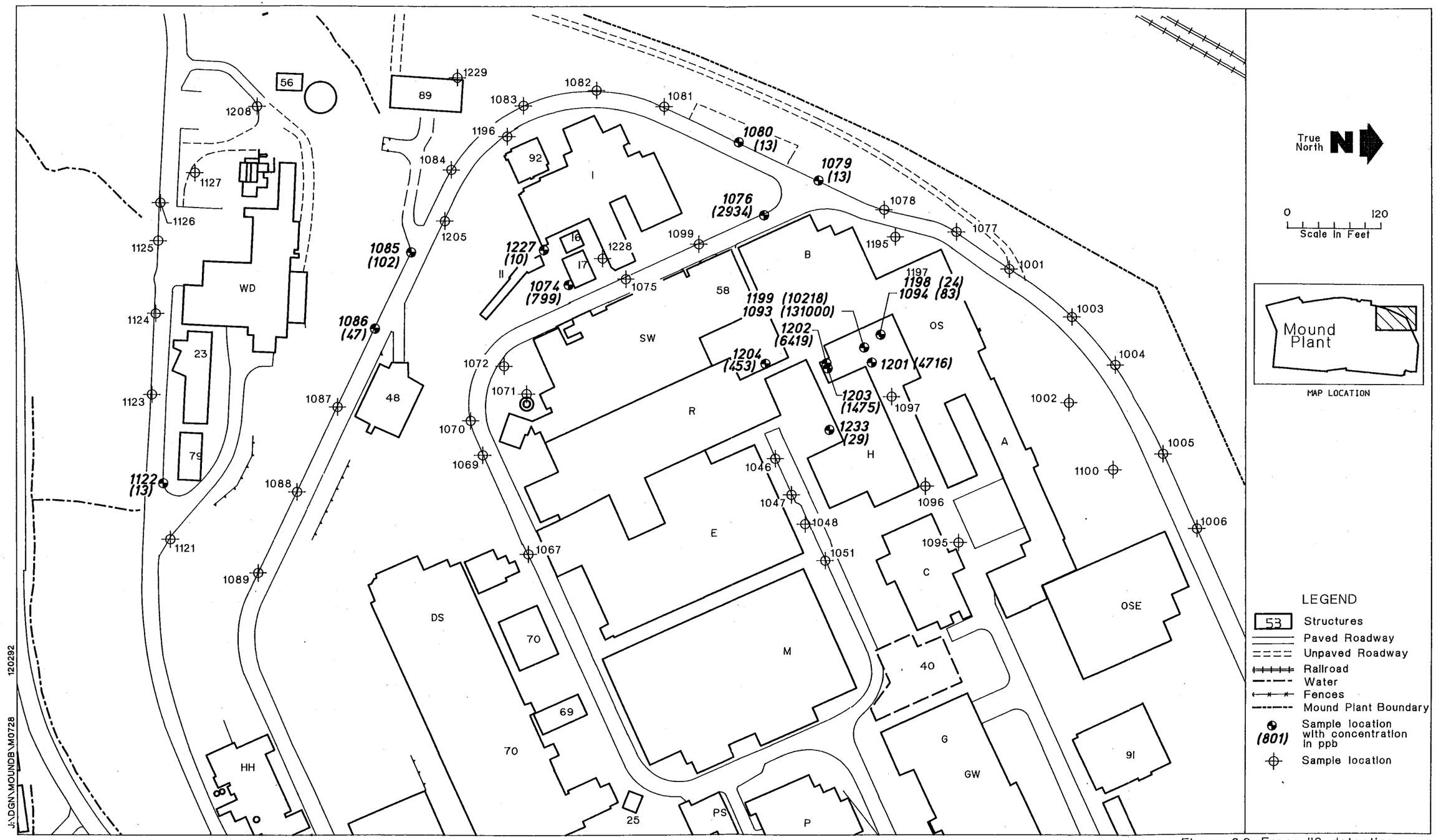

Figure 2.9. Freon 113 detection map for Main Hill West.

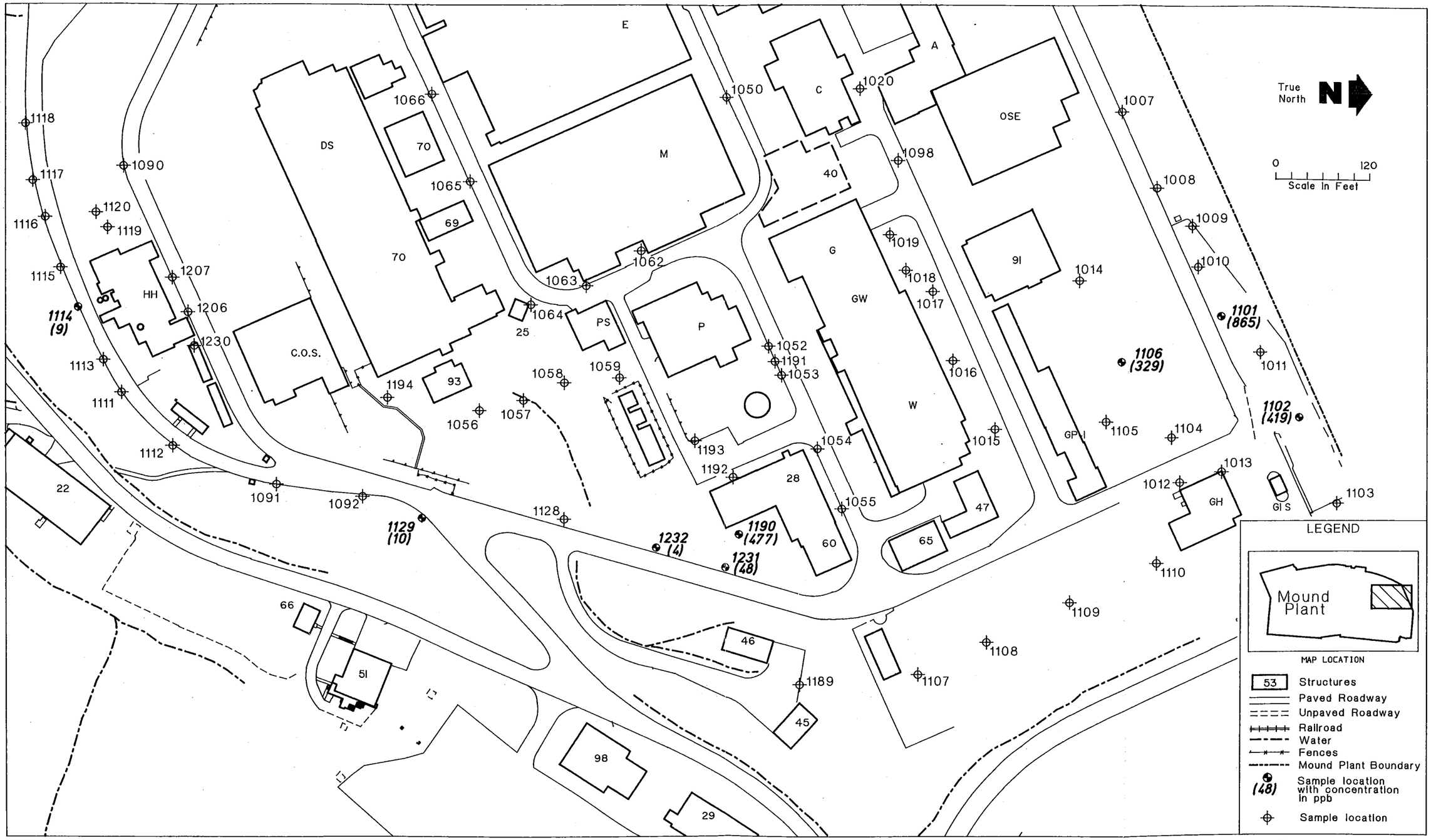

Figure 2.10. Freon 113 detections for Main Hill East.

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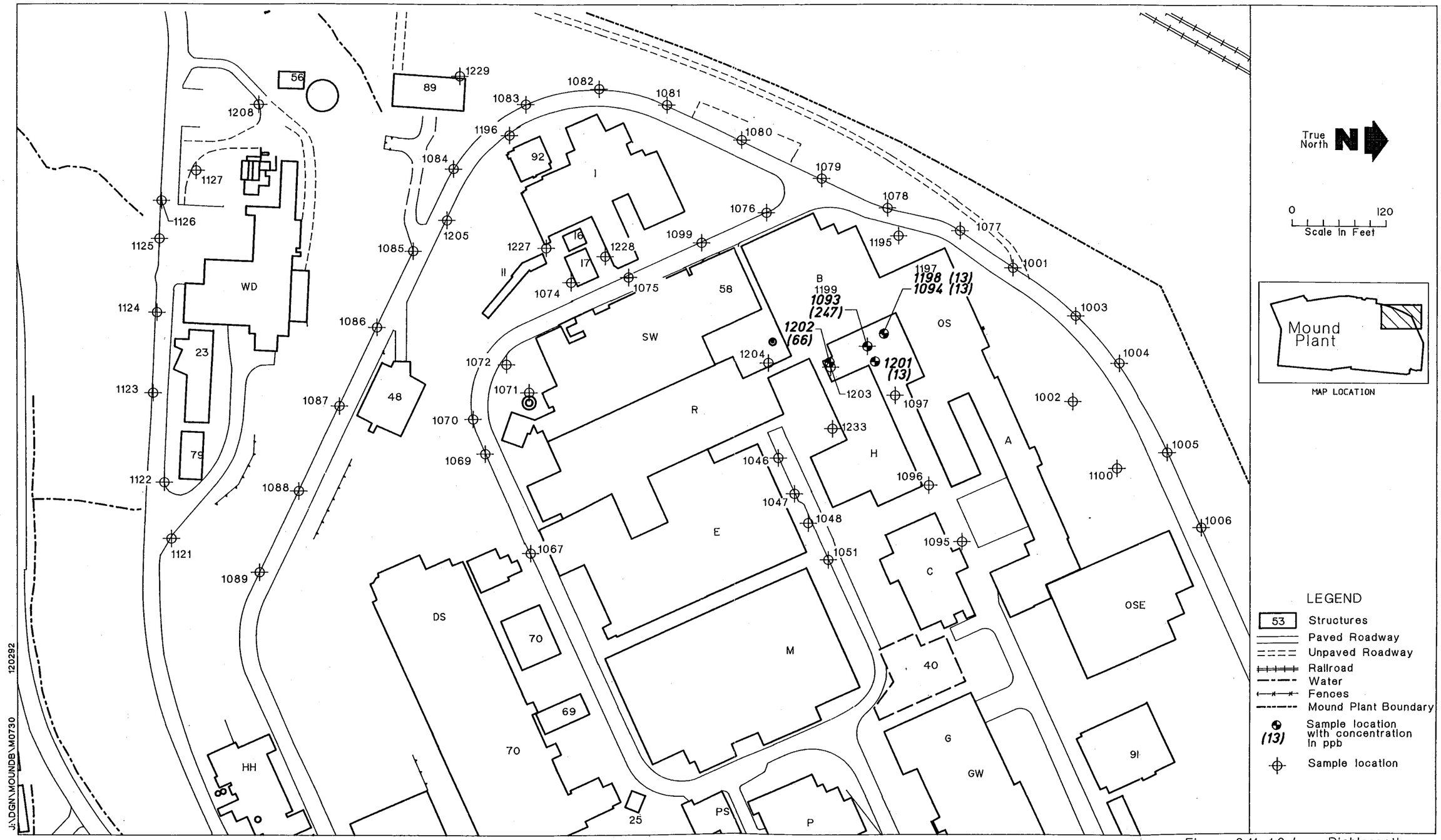

Figure 2.11. 1,2-*trans*-Dichloroethene detection map for Main Hill West.

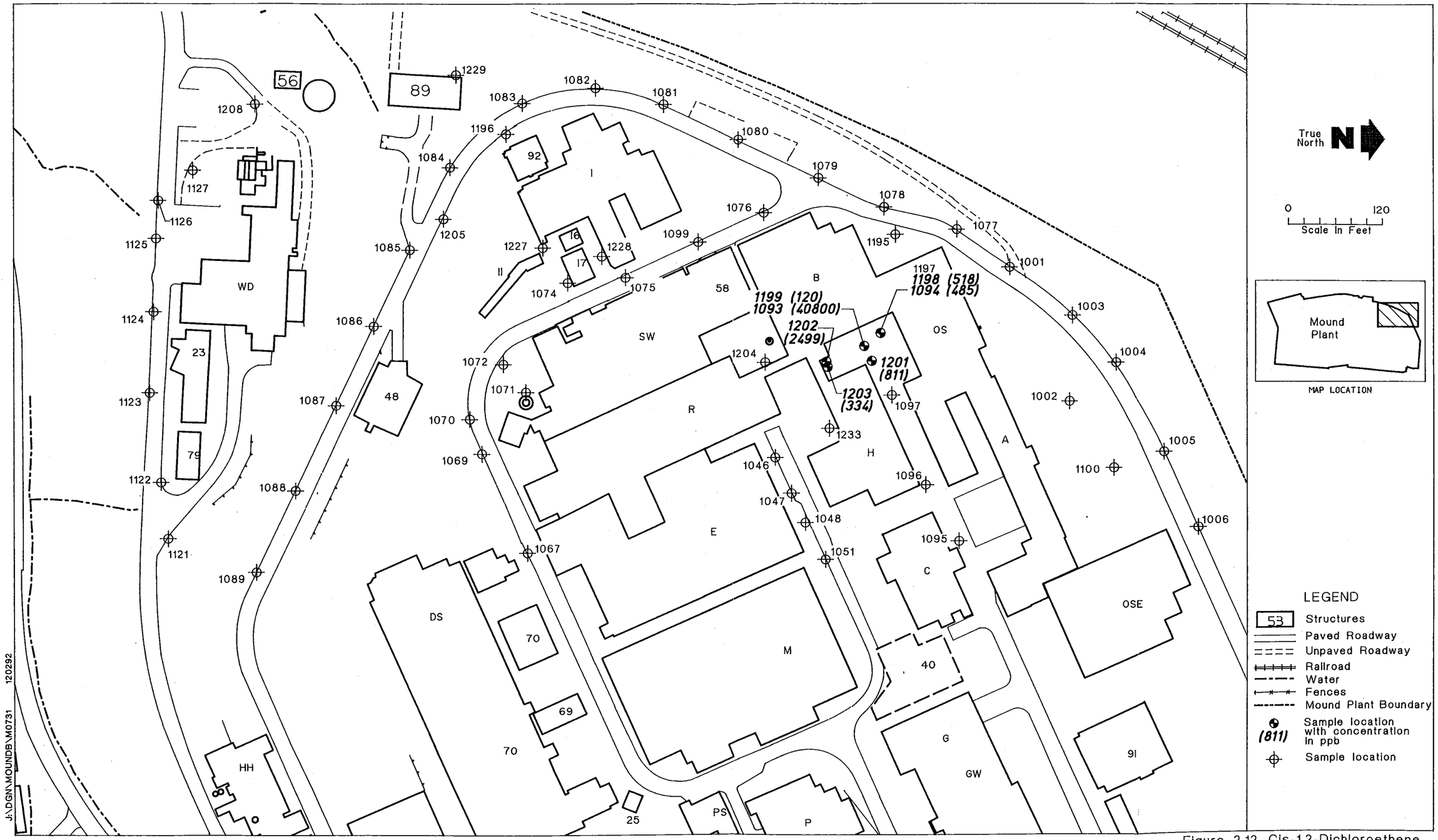

Figure 2.12. Cis-1,2-Dichloroethene detection map for Main Hill West.

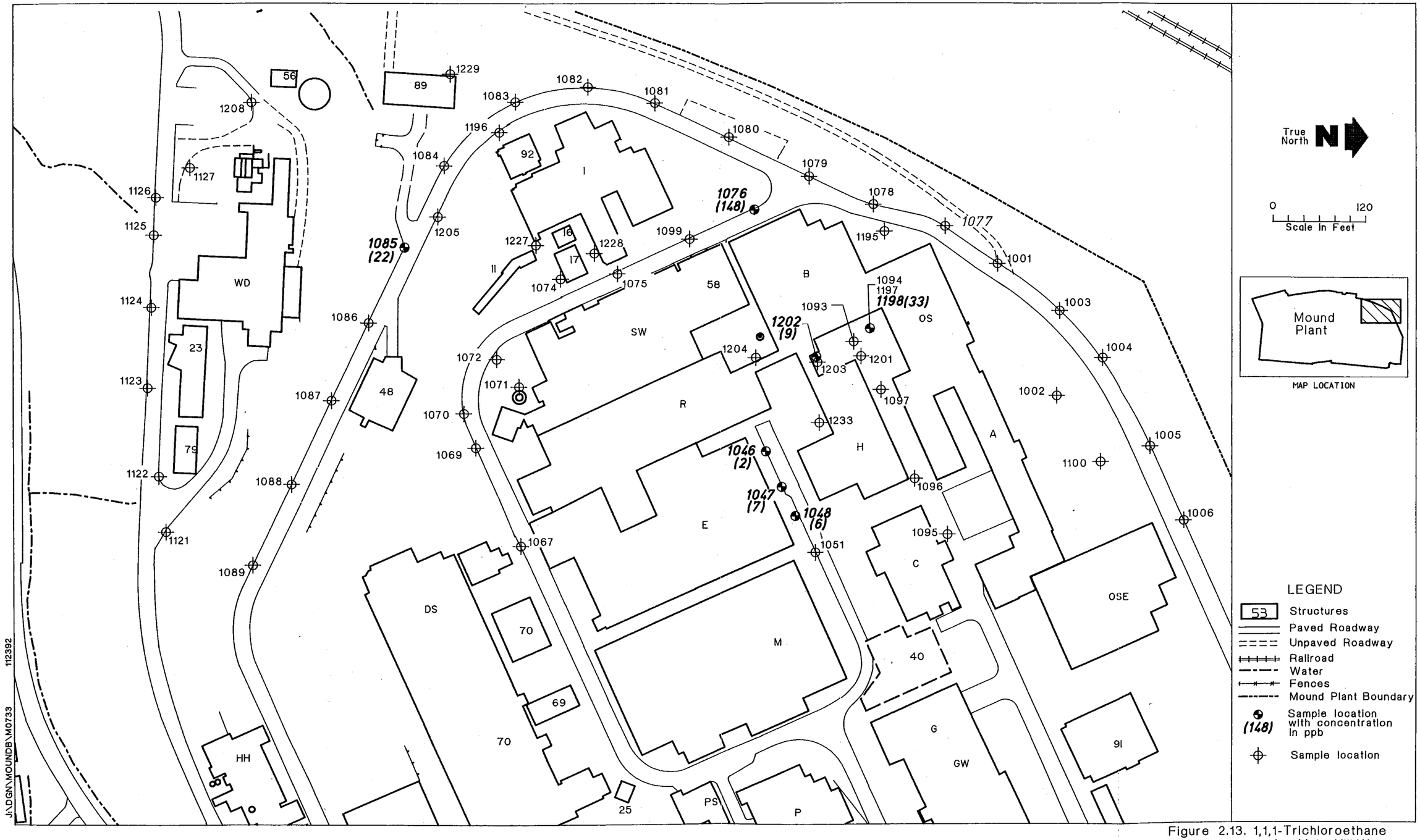

Figure 2.13. 1,1,1-Trichloroethane detection map for Main Hill West.

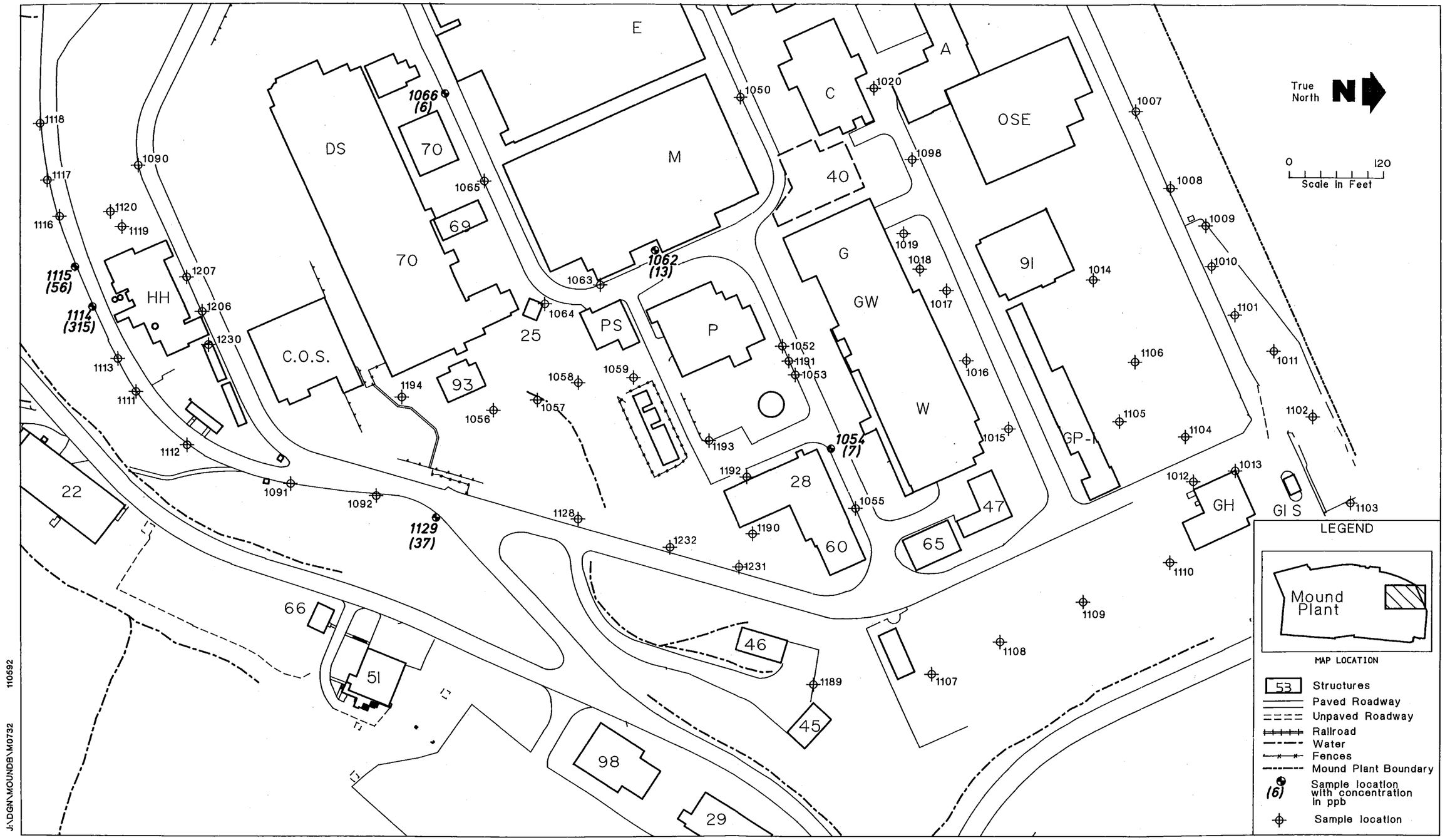

Figure 2.14. 1,1,1-Trichloroethane detections for Main Hill East.

2.15 and 2.16). Trichloroethylene (TCE) was detected at 33 locations ranging from 2 to 34,780 ppb (Figures 2.17 and 2.18). Toluene was detected at 41 locations ranging from 3 to 23,142 ppb (Figures 2.19 and 2.20). Figures 2.21 and 2.22 illustrate the total VOCs detected at each location on the Main Hill.

Some of the trip blanks, ambient blanks, and field blanks collected during the Main Hill investigation contained minor amounts of some of the target compounds. Table II.5 presents the positive blank detections from the Main Hill sampling effort. Neither of the Main Hill groundwater samples contained measurable concentrations of the target compounds.

2.3.2 Old Firing Range Drum Storage Site/Area J

A total of 26 investigative samples were collected and analyzed from the grid at Area J at depths ranging from 5 to 20 feet. All samples initially were collected from a 5-foot depth (samples 3152-3188). Samples 3209 and 3210 were collected as discretionary locations following a review of the geophysical survey data, which showed potential for the burial of ferrous materials below a depth of 10 feet. These samples were collected at depths of 17 and 20 feet near the geophysical anomalies to determine the presence of VOCs at that greater depth. No groundwater was sampled nor encountered during the Area J field effort. Samples 3184 and 3186 could not be collected due to shallow obstructions encountered during probe placement.

Table II.6 summarizes the positive detections from the Area J sampling effort. Five of the eight target compounds were detected. Freon 11 was detected at three locations at concentrations ranging from 2 to 46 ppb (Figure 2.23). The compound 111TCA was detected at two locations ranging from 7 to 37 ppb (Figure 2.24). PCE was detected at one location at 15 ppb (Figure 2.25). TCE was detected at one location at 13 ppb (Figure 2.26). Toluene was detected at three locations ranging from 5 to 11 ppb (Figure 2.27). Figure 2.28 illustrates the total VOCs detected at each location in Area J.

There was one detection of PCE in an ambient blank sample during the Area J sampling effort at a concentration of 6 ppb. Table II.7 describes this blank detection.

2.3.3. Building 51

A total of 18 investigative samples were collected from 10 locations near Building 51. Sampling depths were planned to be 15 and 25 feet at each location, however, two locations were only sampled from 13 to 15 feet due to soil probe refusal. Of the eight locations having 25-foot samples, two were water samples (4159 and 4160).

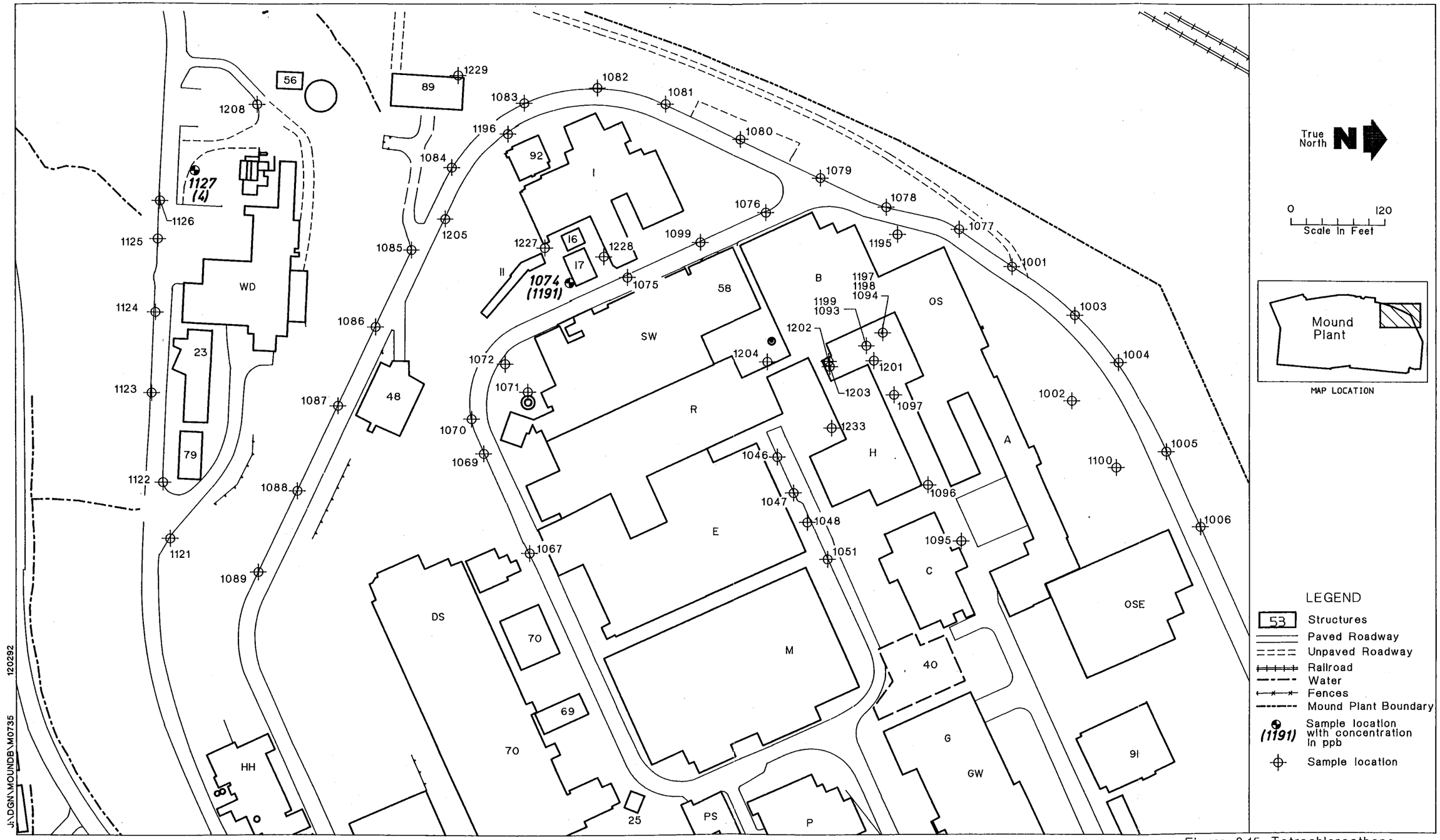

Figure 2.15. Tetrachloroethene detection map for Main Hill West.

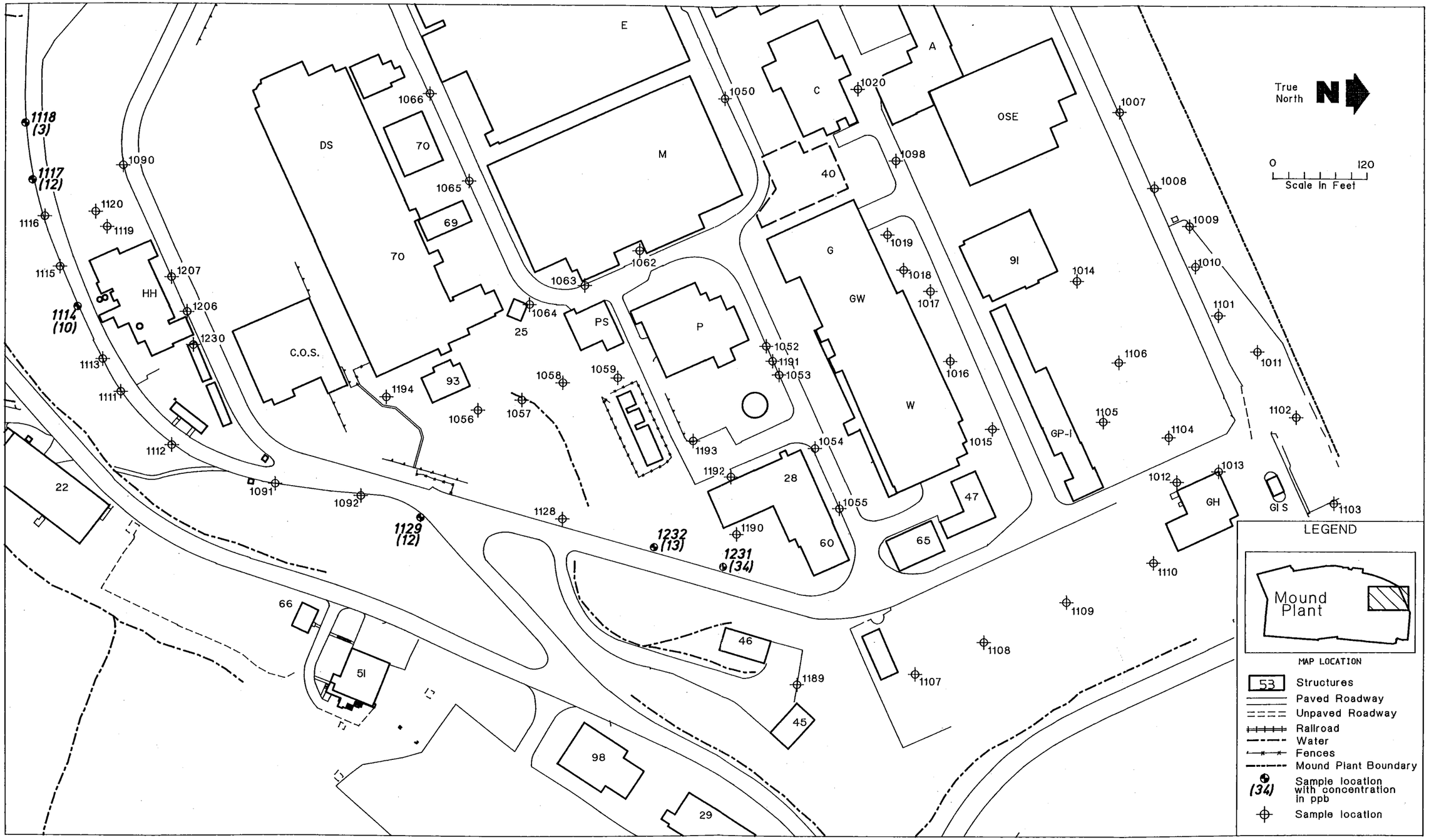

Figure 2.16. Tetrachloroethene detection map for Main Hill East.

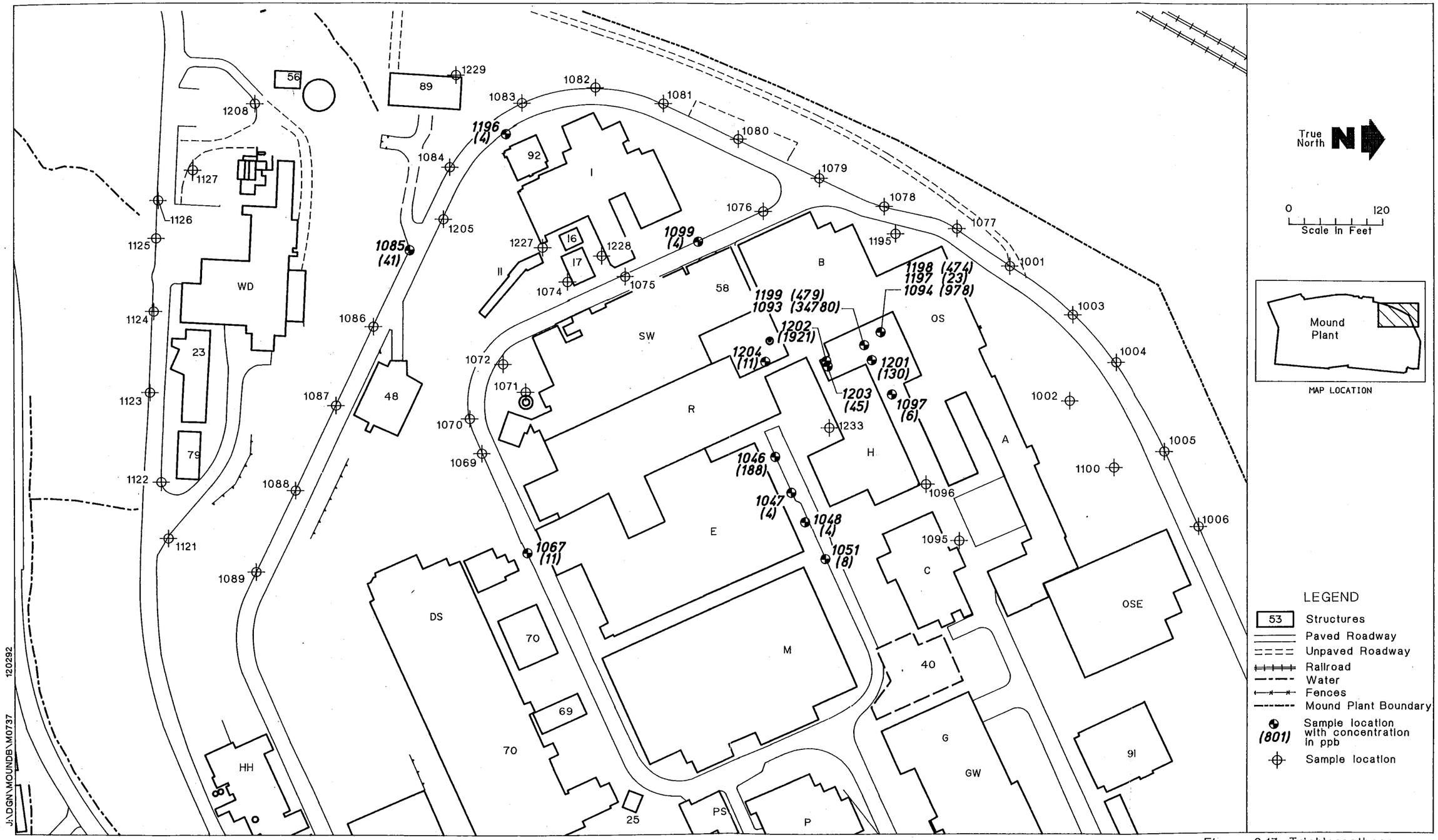

Figure 2.17. Trichloroethene detection map for Main Hill West.

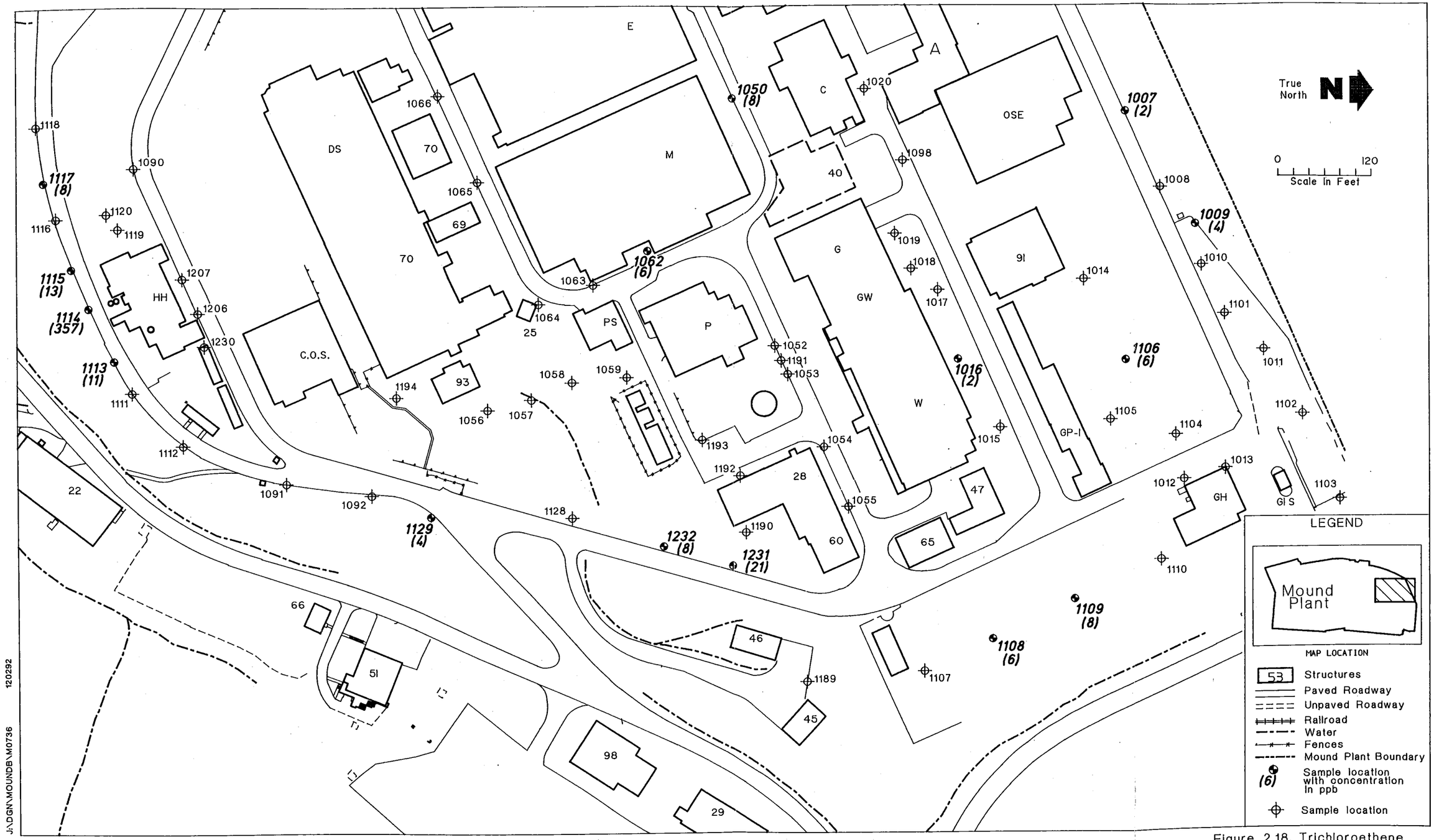

Figure 2.18. Trichloroethene detection map for Main Hill East.

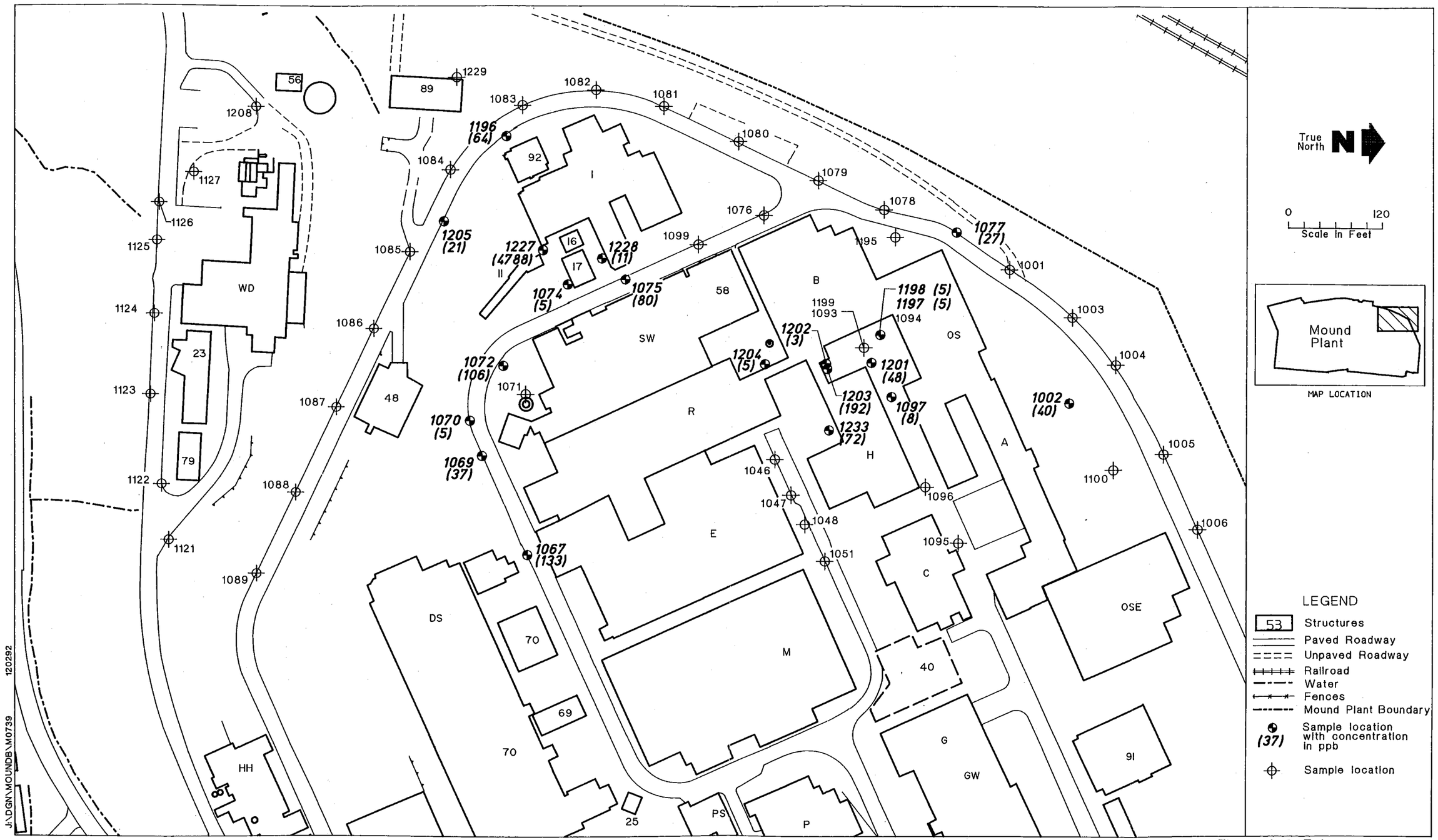

Figure 2.19. Toluene detection map for Main Hill West.

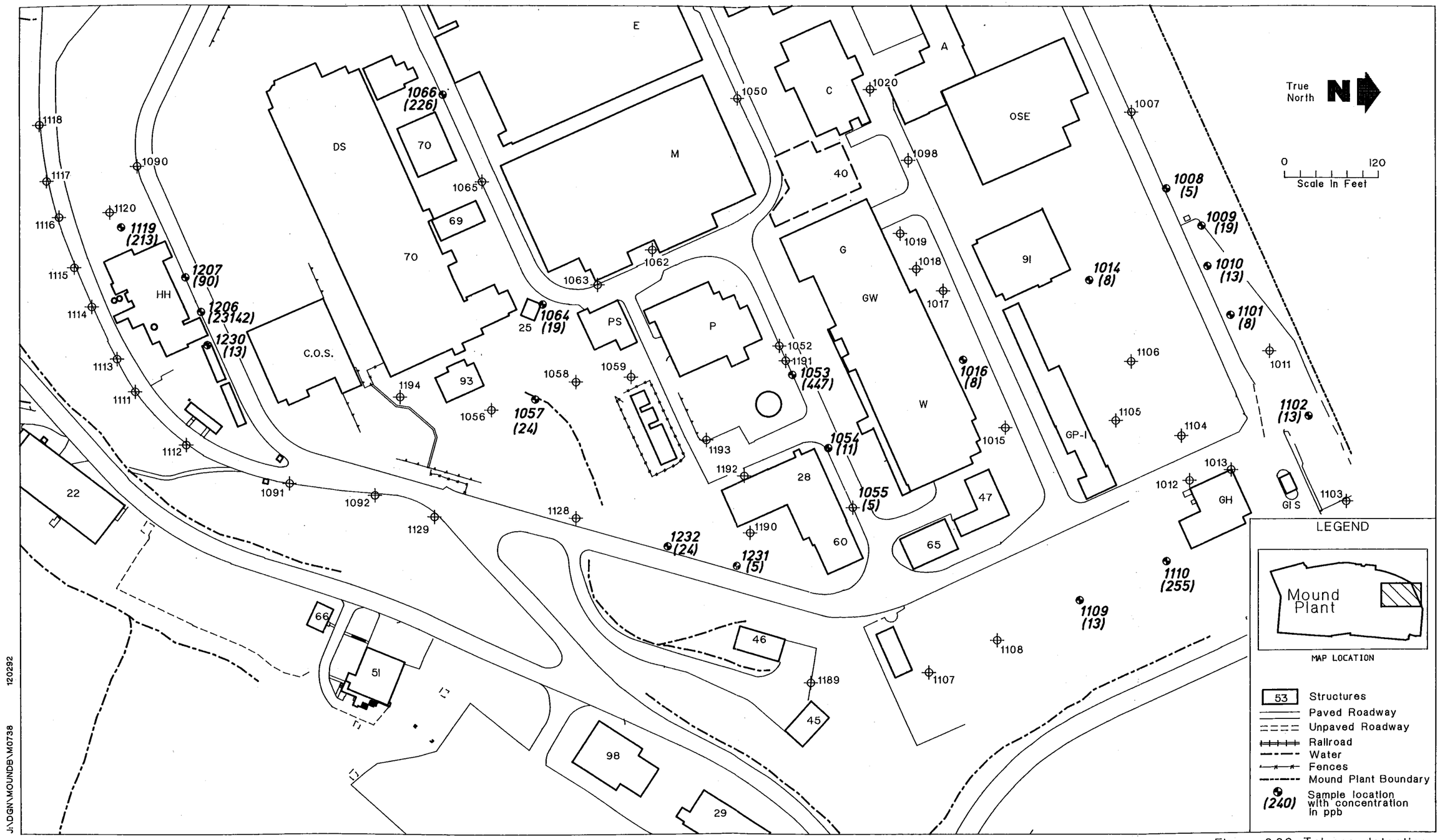

Figure 2.20. Toluene detection map for Main Hill East.

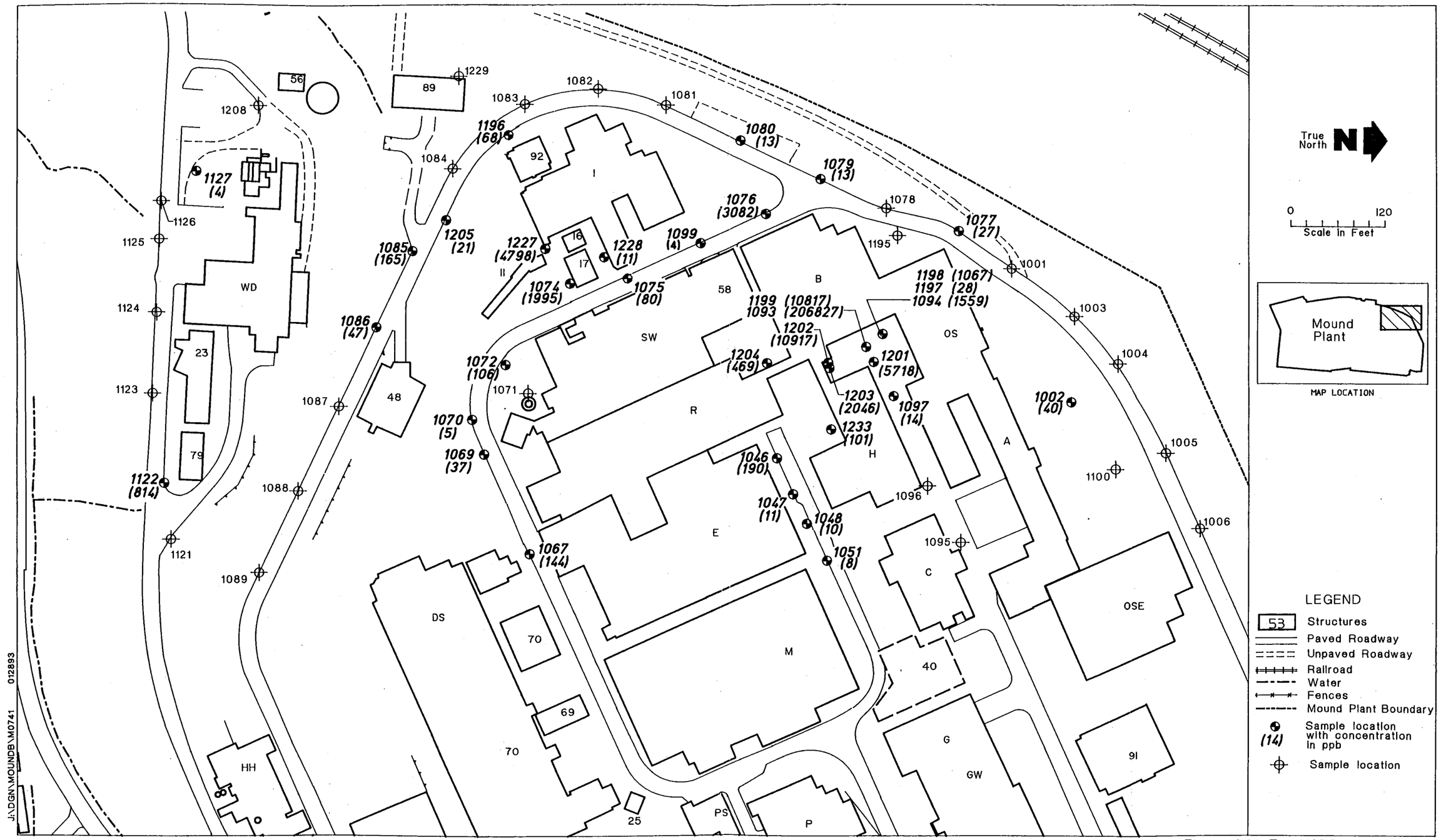

Figure 2.21. Total VOCs detection map for Main Hill West.

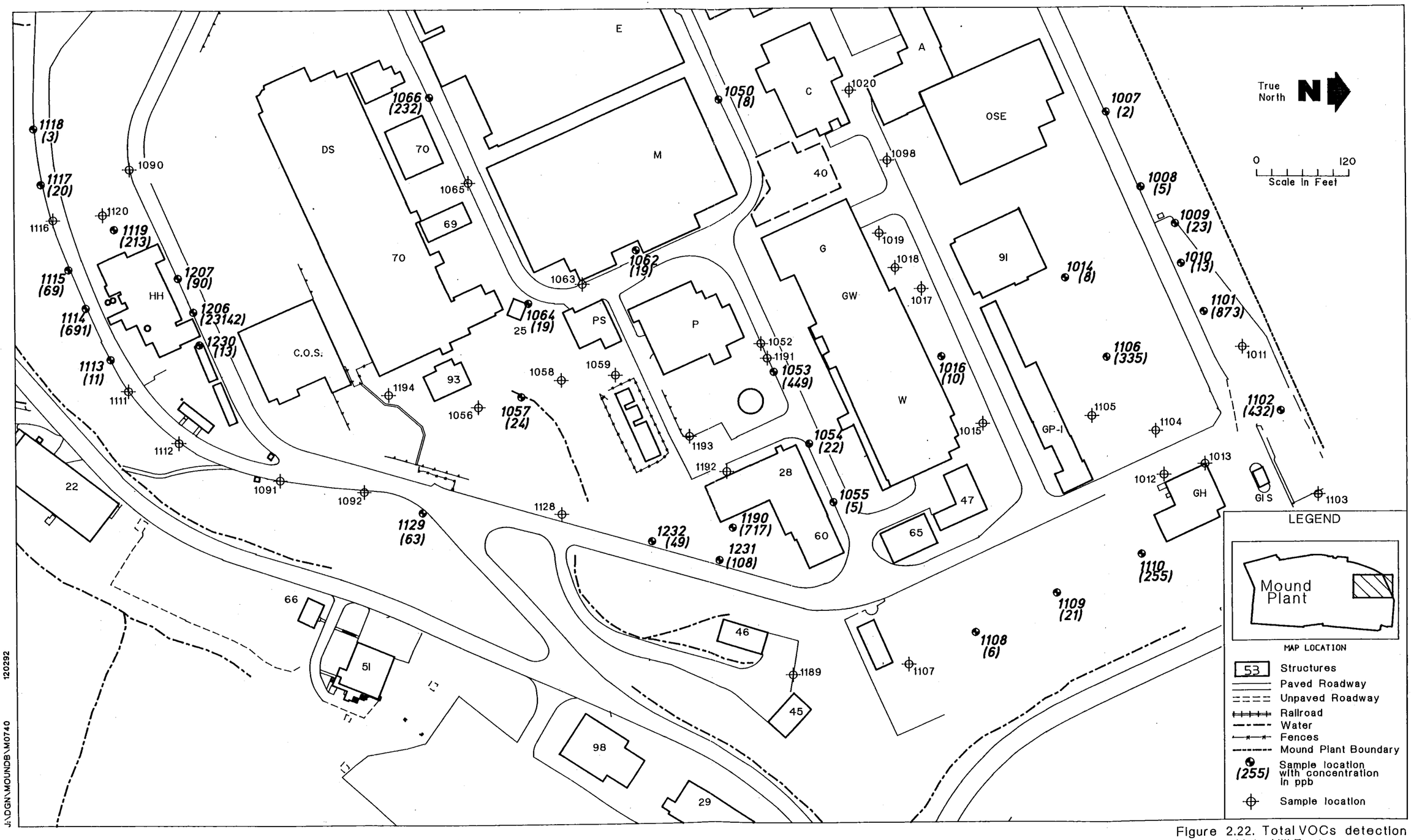

Figure 2.22. Total VOCs detection map for Main Hill East.

Table II.5. SUMMARY OF POSITIVE BLANK DETECTIONS–MAIN HILL (ppb)

SAMPLE ID	SAMPLE DATE	FREON 11	FREON 113	TRAN–12DCE	CIS–12DCE	111TCA	PCE	TCE	TOLUENE
MND–01–1001–3001	28 JUL 92	---	---	---	---	---	---	---	3
MND–01–1019–3001	4 AUG 92	---	---	---	---	---	---	---	21
MND–01–1054–3001	5 AUG 92	---	---	---	3	2	---	4	---
MND–01–1065–5000w	12 AUG 92	---	---	---	---	---	---	---	<.1
MND–01–1100–3001	15 AUG 92	---	---	---	---	---	---	---	3
MND–01–1101–5000	16 AUG 92	---	---	---	---	---	---	2	---
MND–01–1105–2000w	17 AUG 92	---	---	---	---	---	---	---	0.3
MND–01–1111–5000	17 AUG 92	---	---	---	---	---	---	---	11
MND–01–1122–5000	18 AUG 92	---	---	---	---	---	---	---	11
MND–01–1189–3001	24 SEP 92	---	---	---	---	---	---	---	3

Notes: Only QA/QC sample locations having positive detections are shown.
w: Indicates water sample.

TABLE II.6 SUMMARY OF POSITIVE DETECTIONS–AREA J
(ppb)

SAMPLE ID	SAMPLE DATE	FREON 11	FREON 113	TRAN–12DCE	CIS–12DCE	111TCA	PCE	TCE	TOLUENE
MND–01–3153–0005	27 AUG 92	---	---	---	---	---	---	---	11
MND–01–3154–0005	27 AUG 92	43	---	---	---	---	---	---	---
MND–01–3154–1005	27 AUG 92	46	---	---	---	7	10 *	13	---
MND–01–3155–0005	27 AUG 92	---	---	---	---	---	---	---	5
MND–01–3171–0005	31 AUG 92	2	---	---	---	---	15	---	---
MND–01–3173–0005	31 AUG 92	---	---	---	---	---	---	---	5 *
MND–01–3175–0005	1 SEP 92	---	---	---	---	37	---	---	---
MND–01–3176–0005	31 AUG 92	---	---	---	---	---	---	---	8 *
MND–01–3187–0005	1 SEP 92	5	---	---	---	---	---	---	---
MND–01–3209–0017	26 SEP 92	---	---	---	---	---	---	---	5

Notes:

Only sample locations having positive detections are shown.

*: Associated trip, ambient, equipment or field blank contained specified compound.

B: Indicates blank sample.

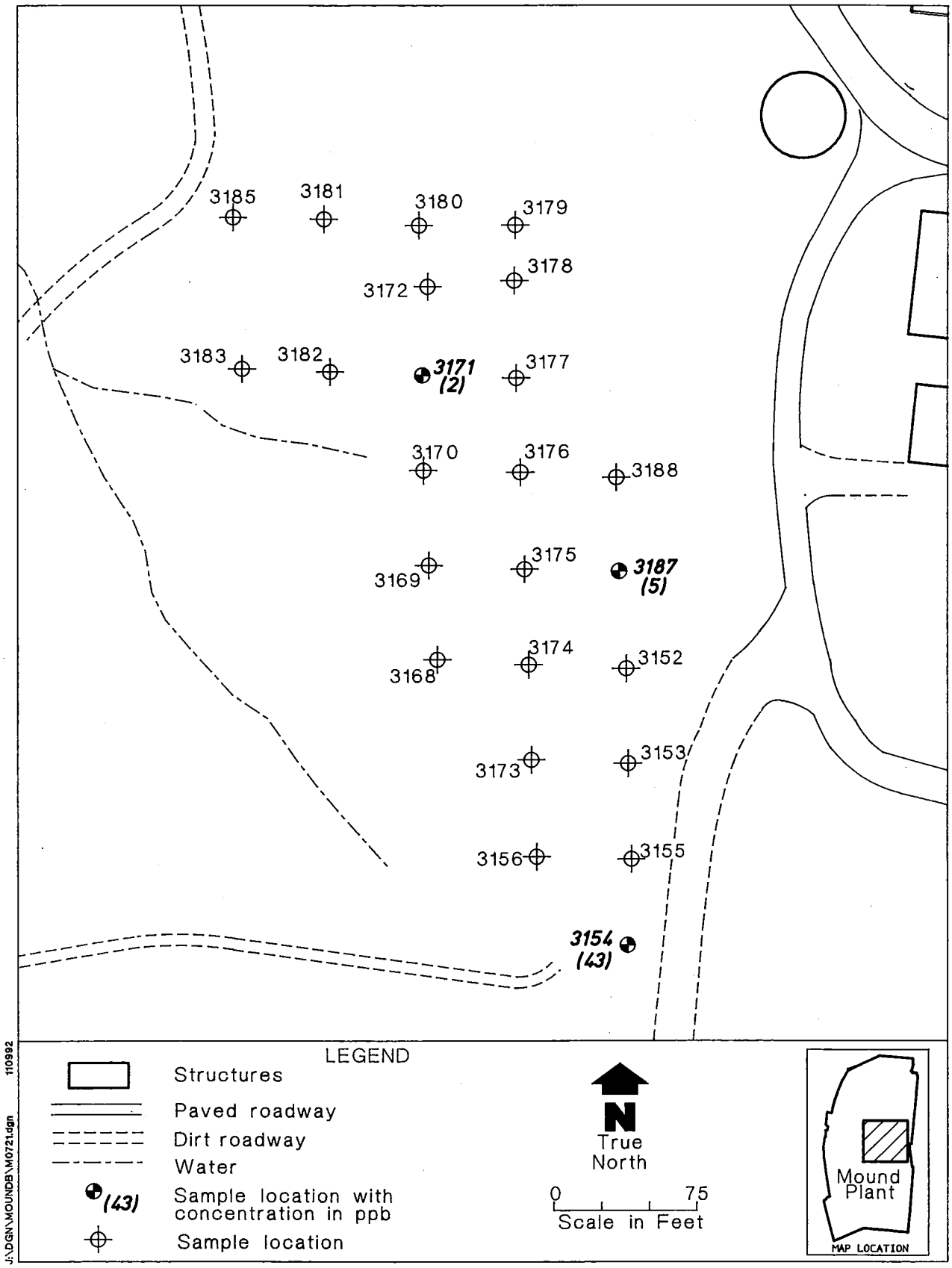

Figure 2.23. Freon II detection map for Area J .

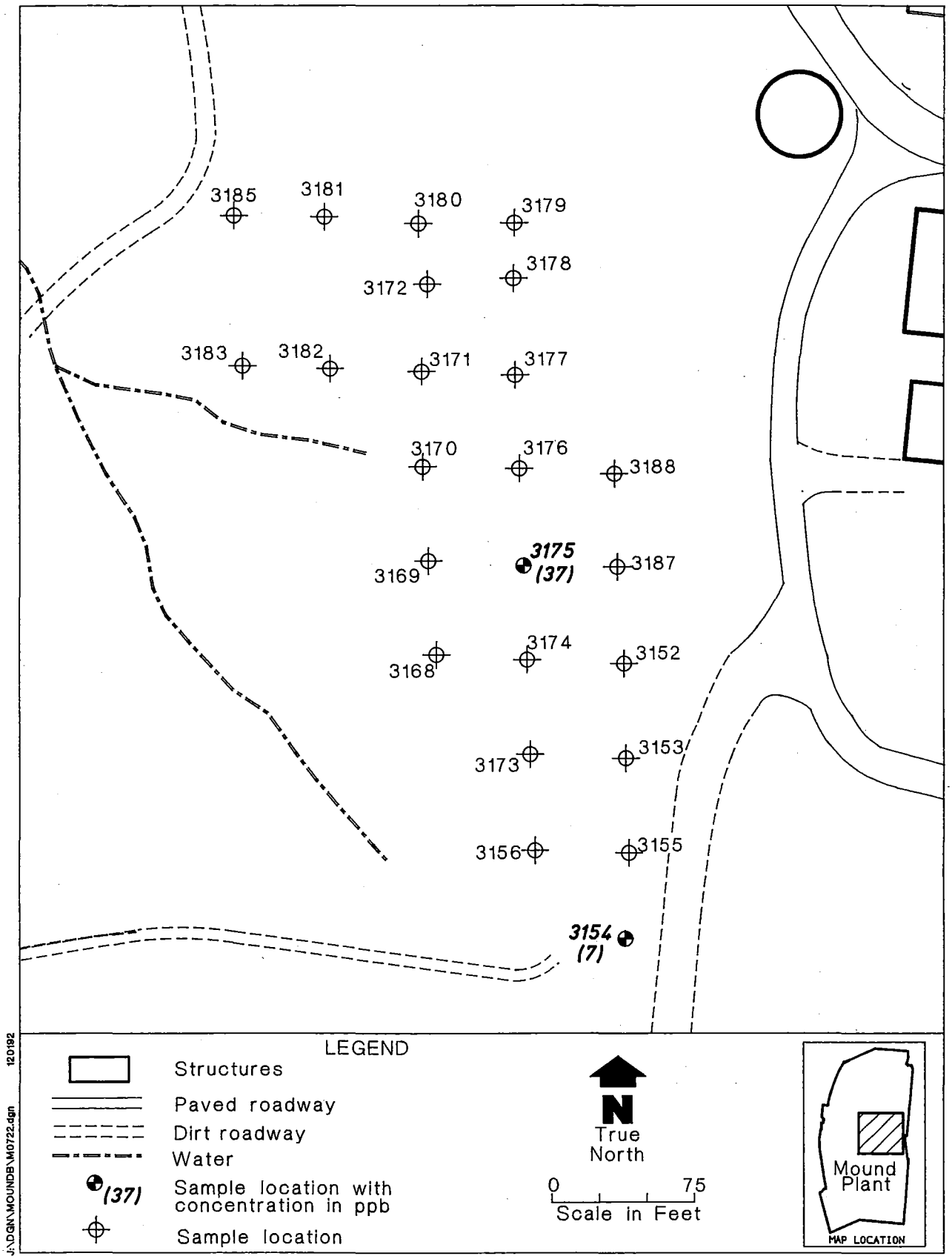

Figure 2.24. 1,1,1-Trichloroethane detection map for Area J .

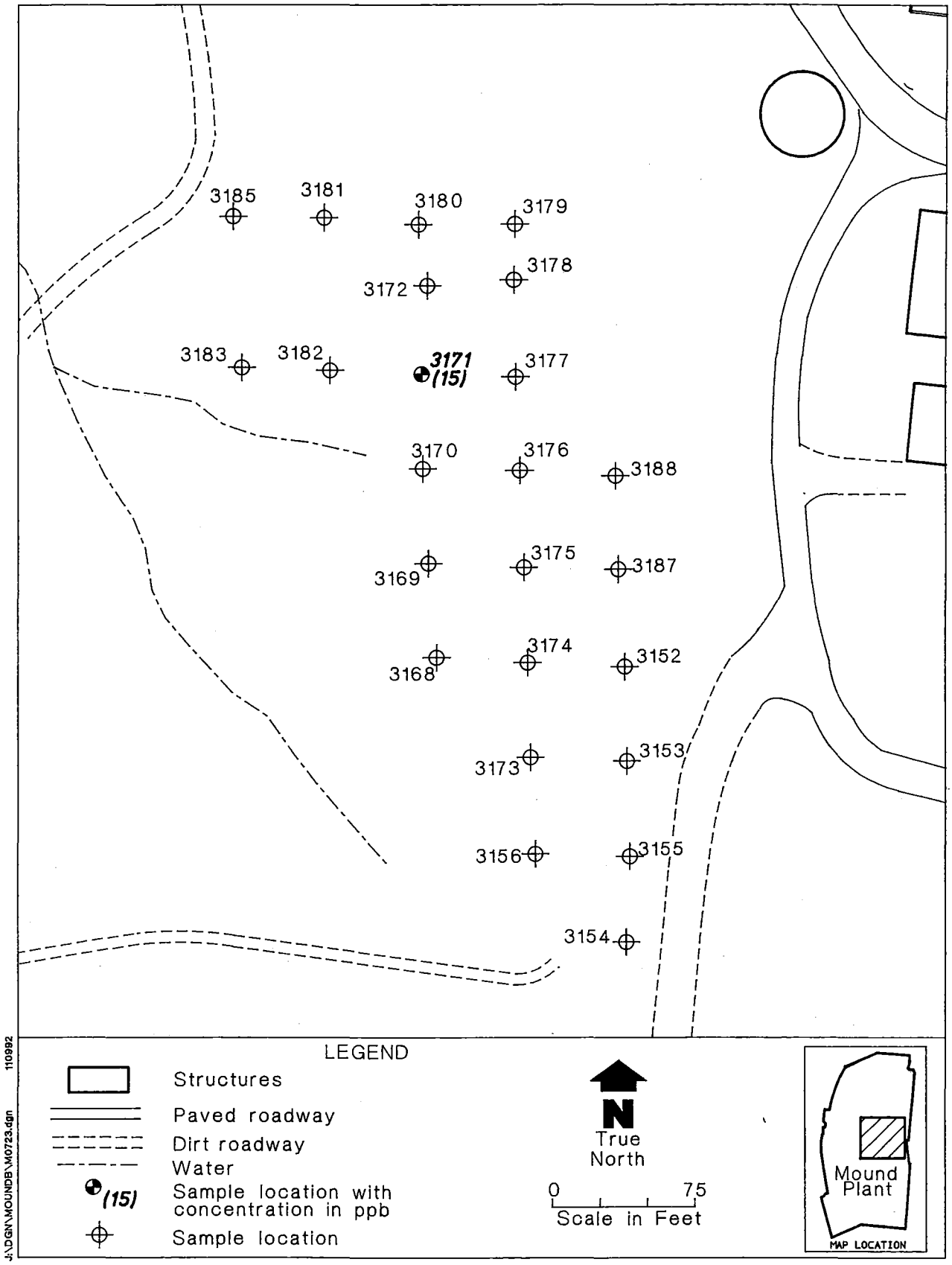

Figure 2.25. Tetrachloroethene detection map for Area J .

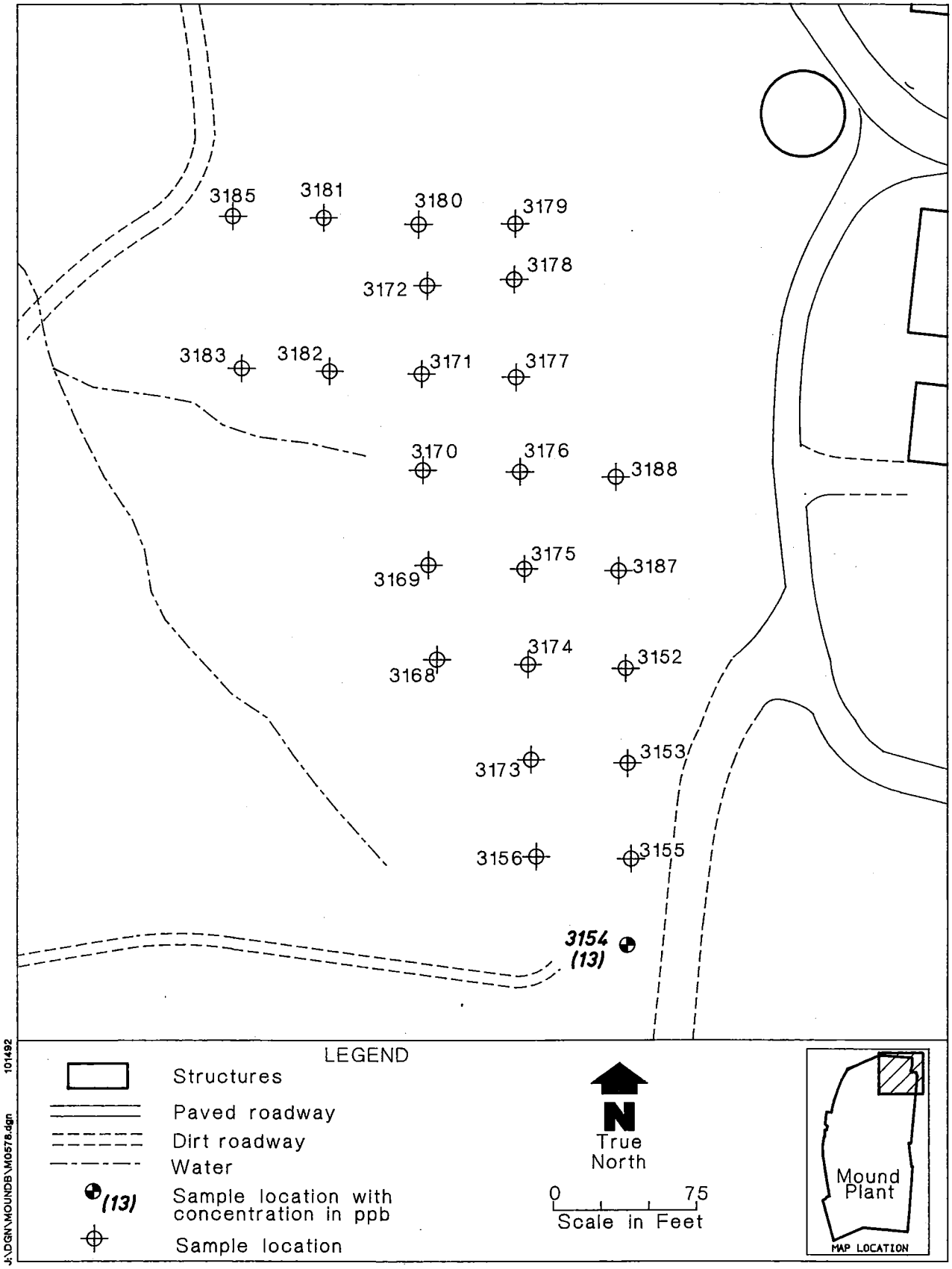

Figure 2.26. Trichloroethene detection map for map Area J .

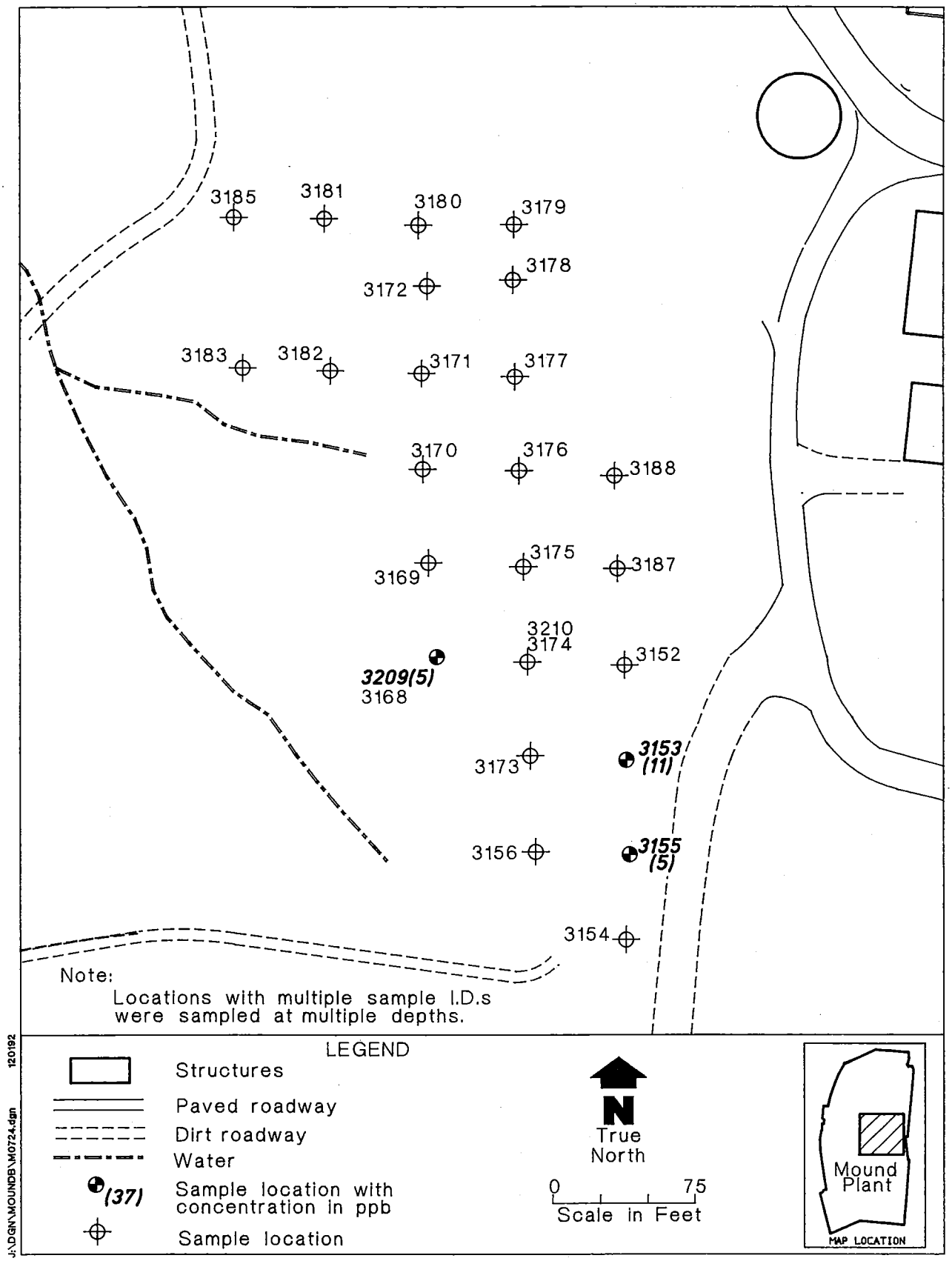

Figure 2.27. Toluene detection map for Area J .

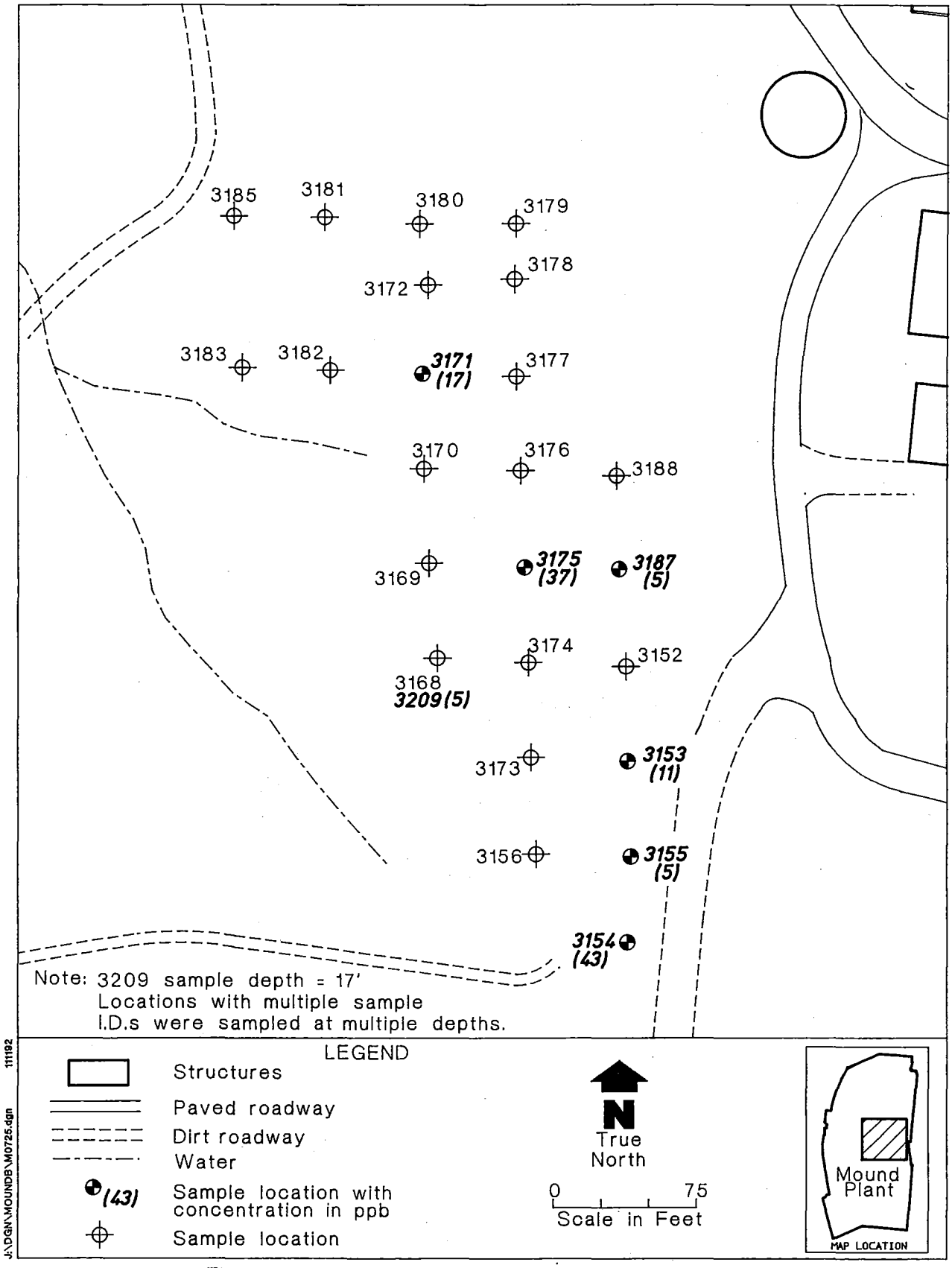

Figure 2.28. Total VOCs detection map for Area J .

TABLE II.7. SUMMARY OF POSITIVE BLANK DETECTIONS–AREA J
(ppb)

SAMPLE ID	SAMPLE DATE	FREON 11	FREON 113	TRAN–12DCE	CIS–12DCE	111TCA	PCE	TCE	TOLUENE
MND–01–3153–3002	27 AUG 92	---	---	---	---	---	6	---	---

Notes:
Only QA/QC sample locations having positive detections are shown.

Table II.8 summarizes the positive detections from the Building 51 area sampling effort. Seven of the eight target compounds were detected in the soil vapor samples. These detections are shown on Figures 2.29 through 2.36. These figures also show Area 7 results. Toluene was the only VOC detected in either of the two water samples. Freon 11 was detected at two locations and three depths at concentrations ranging from 5 to 89 ppb (Figure 2.29). Freon 113 was detected in the 15- and 25-foot samples at one location at 9 and 18 ppb, respectively (Figure 2.30). Cis-12DCE was detected in the 15-foot samples from two locations at concentrations of 8 and 18 ppb (Figures 2.31). 111TCA was detected at two locations and three depths at concentrations ranging from 4 to 37 ppb (Figure 2.32). PCE was detected at three locations and four depths at concentrations ranging from 7 to 44 ppb (Figure 2.33). TCE was detected in the 15- and 25-foot samples at three locations at concentrations ranging from 9 to 207 ppb (Figure 2.34). Toluene was detected at four locations and six depths at concentrations ranging from 0.2 to 37 ppb, however, all but the water sample collected from the 25-foot depth at location 4160 showed associated blank detections (Figure 2.35). Figure 2.36 shows the total VOCs detected at each location near Building 51 (excluding samples with associated blank interferences).

Table II.9 summarizes the blank detections from the Building 51 sampling effort. Two soil gas ambient blanks and one water trip blank contained toluene from 0.1 to 5 ppb.

2.3.4. Area 7

A total of 53 investigative samples were collected from Area 7. All locations were sampled at a 5-foot depth except samples 2211 and 2212, which were contingency samples collected from a 15-foot depth. One of the 5-foot samples was a water sample (2036). Table II.10 summarizes the positive detections from the Area 7 sampling effort. Area 7 detection figures are repeats of the Building 51 figures. Six of the eight target compounds were detected at Area 7. Freon 11 was detected at three locations at concentrations ranging from 7 to 32 ppb (Figure 2.29). Freon 113 was detected at four locations ranging from 4 to 33 ppb (Figure 2.30). CIS-12DCE was detected at two locations ranging from 3 to 10 ppb (Figure 2.31). 111TCA was detected at five locations ranging from 2 to 22 ppb (Figure 2.32). PCE was detected at two locations at 6 and 7 ppb (Figure 2.33). Toluene was detected at 24 locations within Area 7. Eight of the 24 locations had associated blank detections of toluene. Sample 2036 was a water sample, which also showed toluene in its associated field blank. Figure 2.35 illustrates the Area 7 toluene detections that do not have these associated blank detections. Figure 2.36 shows the total VOCs detected at each of the Area 7 sample locations.

TABLE II.8. SUMMARY OF POSITIVE DETECTIONS–BUILDING 51
(ppb)

SAMPLE ID	SAMPLE DATE	FREON 11	FREON 113	TRAN–12DCE	CIS–12DCE	111TCA	PCE	TCE	TOLUENE
MND–01–4157–0025w	28 AUG 92	---	---	---	---	---	---	---	0.2 *
MND–01–4160–0015	29 AUG 92	---	---	---	8	---	---	---	37 *
MND–01–4160–0025w	30 AUG 92	---	---	---	---	---	---	---	0.23
MND–01–4161–0015	29 AUG 92	---	---	---	---	---	---	9	8 *
MND–01–4161–1025	29 AUG 92	---	---	---	---	---	7	19	---
MND–01–4166–0015	31 AUG 92	5	9	---	---	---	44	75	---
MND–01–4166–0025	31 AUG 92	---	18	---	---	4	44	56	---
MND–01–4167–0015	31 AUG 92	89	---	---	18	37	44	207	8 *
MND–01–4167–0025	31 AUG 92	36	---	---	---	11	---	169	8 *

Notes:

Only sample locations having positive detections are shown.
*: Associated trip, ambient, equipment or field blank contained specified compound.
B: Indicates blank sample.
w: Indicates water sample.

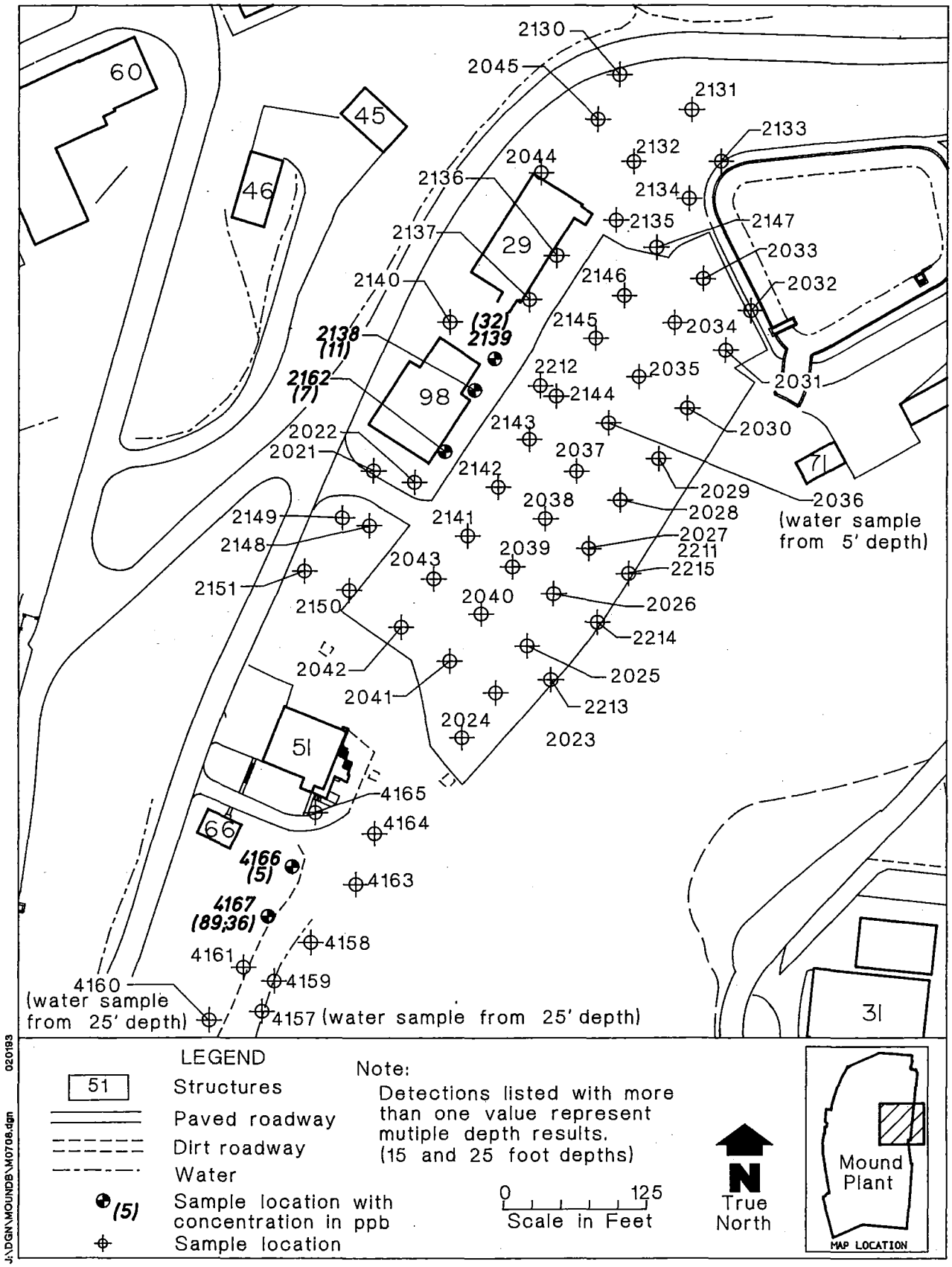

Figure 2.29. Freon II detection map for Area 7 and Building 51.

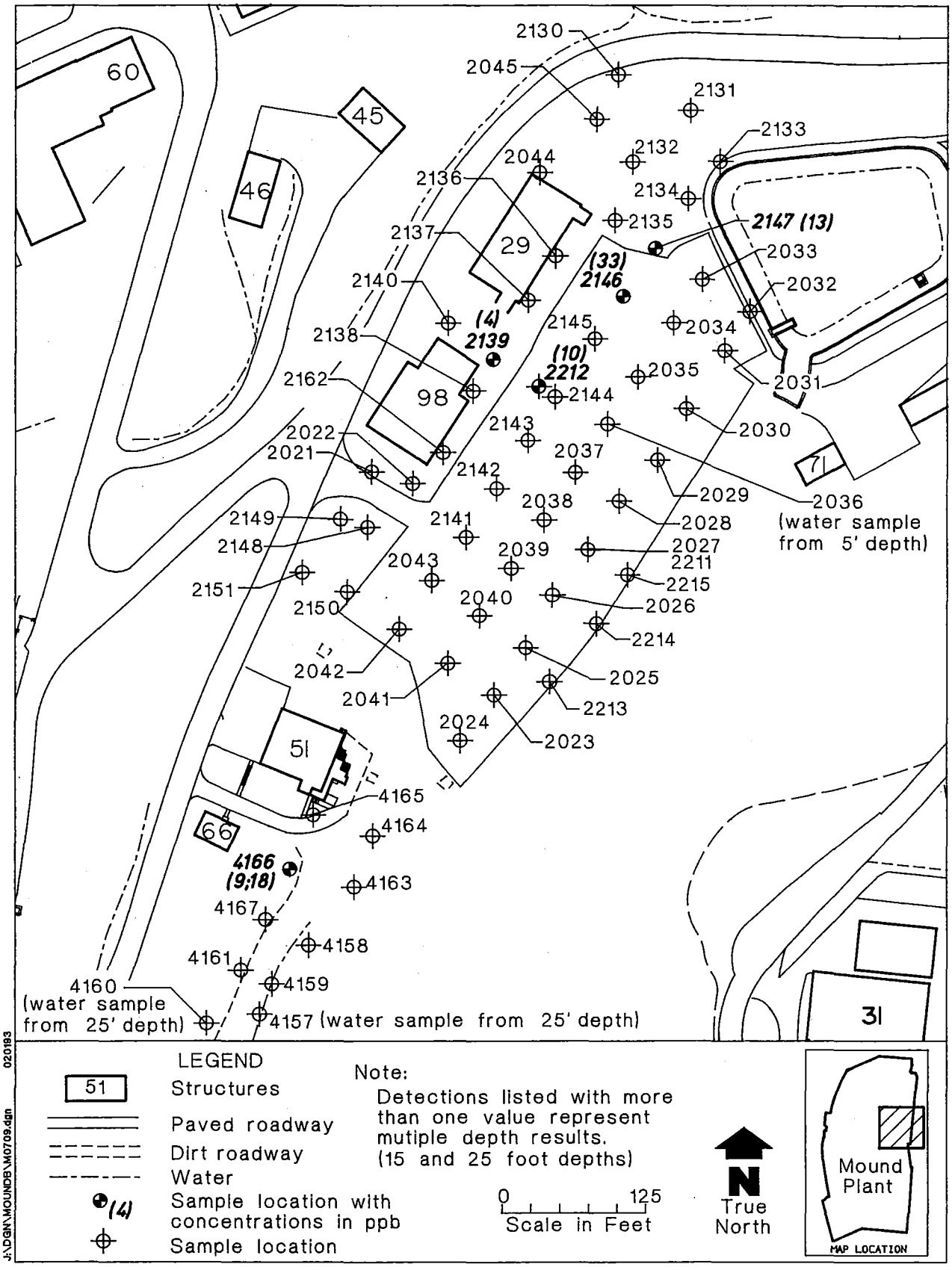

Figure 2.30. Freon 113 detection map Area 7 and Building 51.

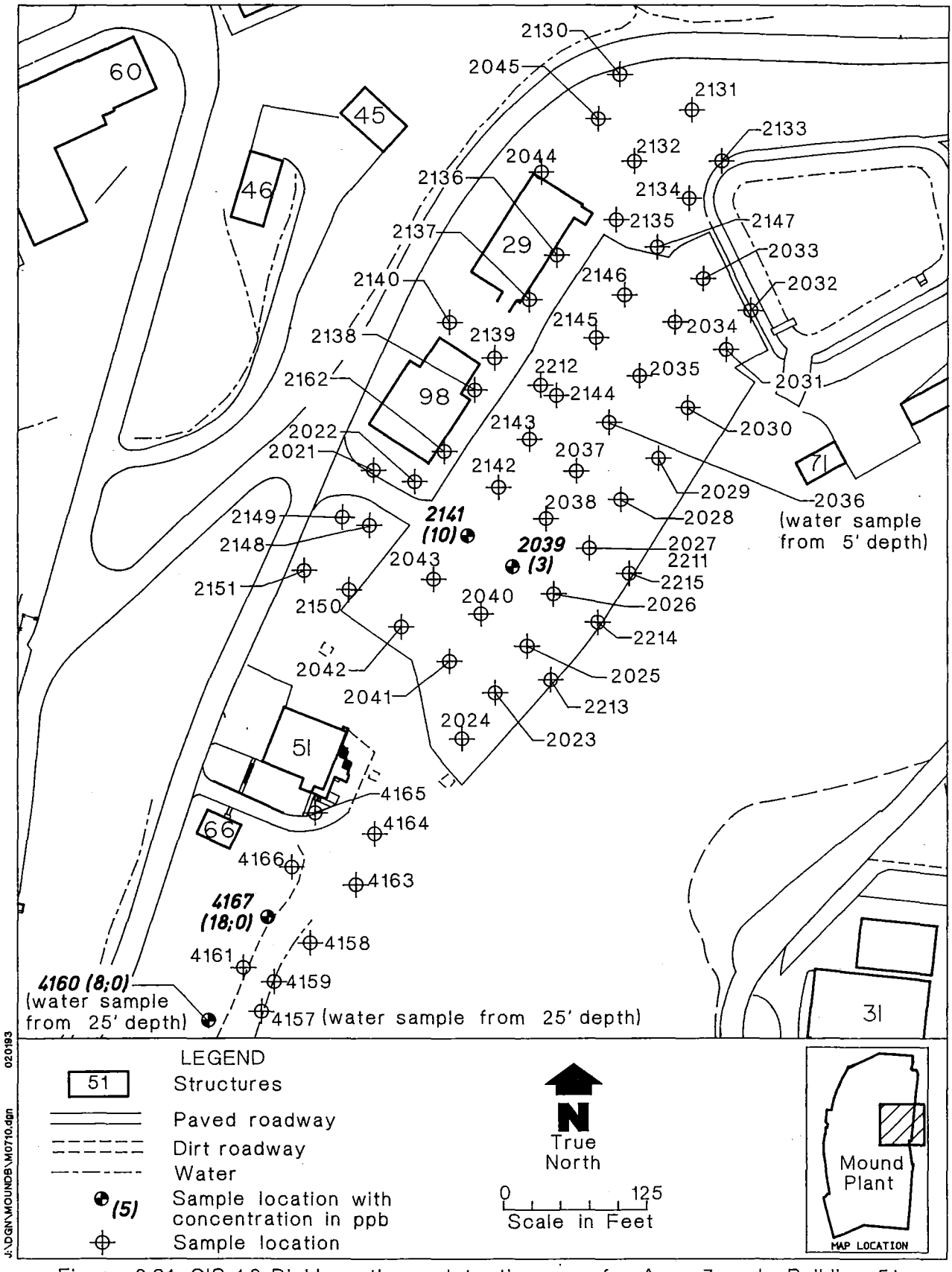

Figure 2.31. CIS-1,2-Dichloroethene detection map for Area 7 and Building 51.

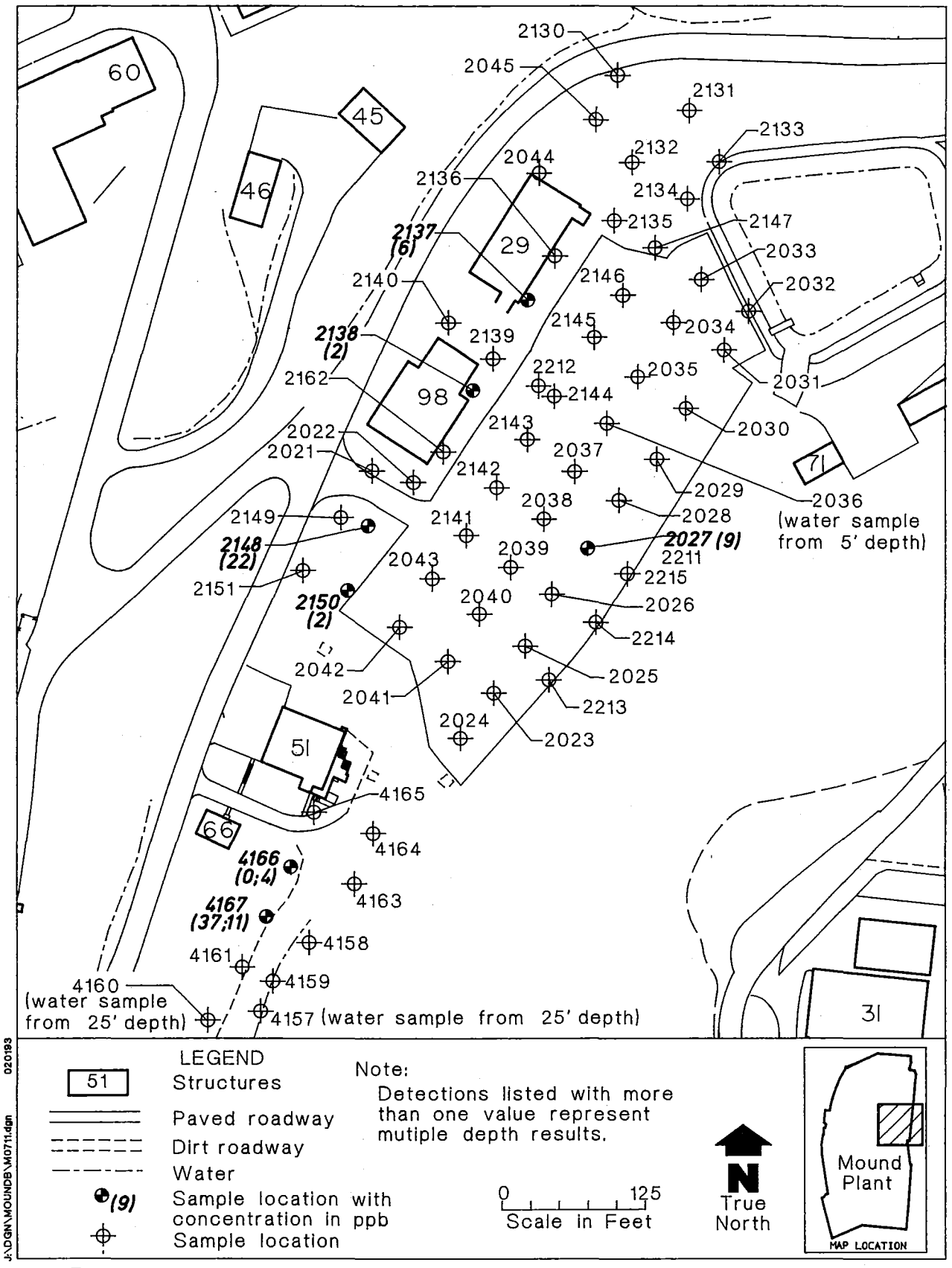

Figure 2.32. 1,1,1-Trichloroethane detection map for Area 7 and Building 51.

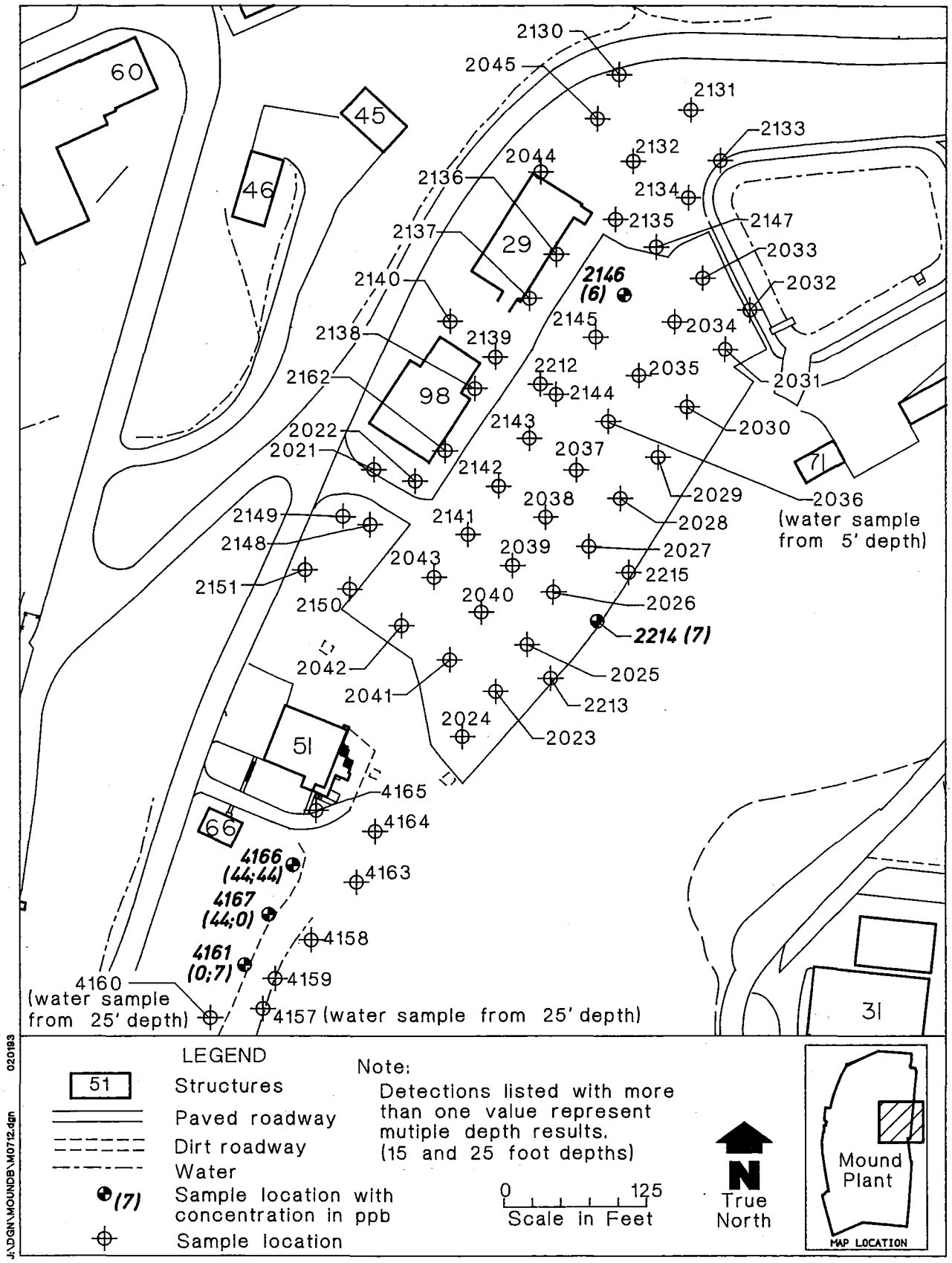

Figure 2.33. Tetrachloroethene detection map for Area 7 and Building 51.

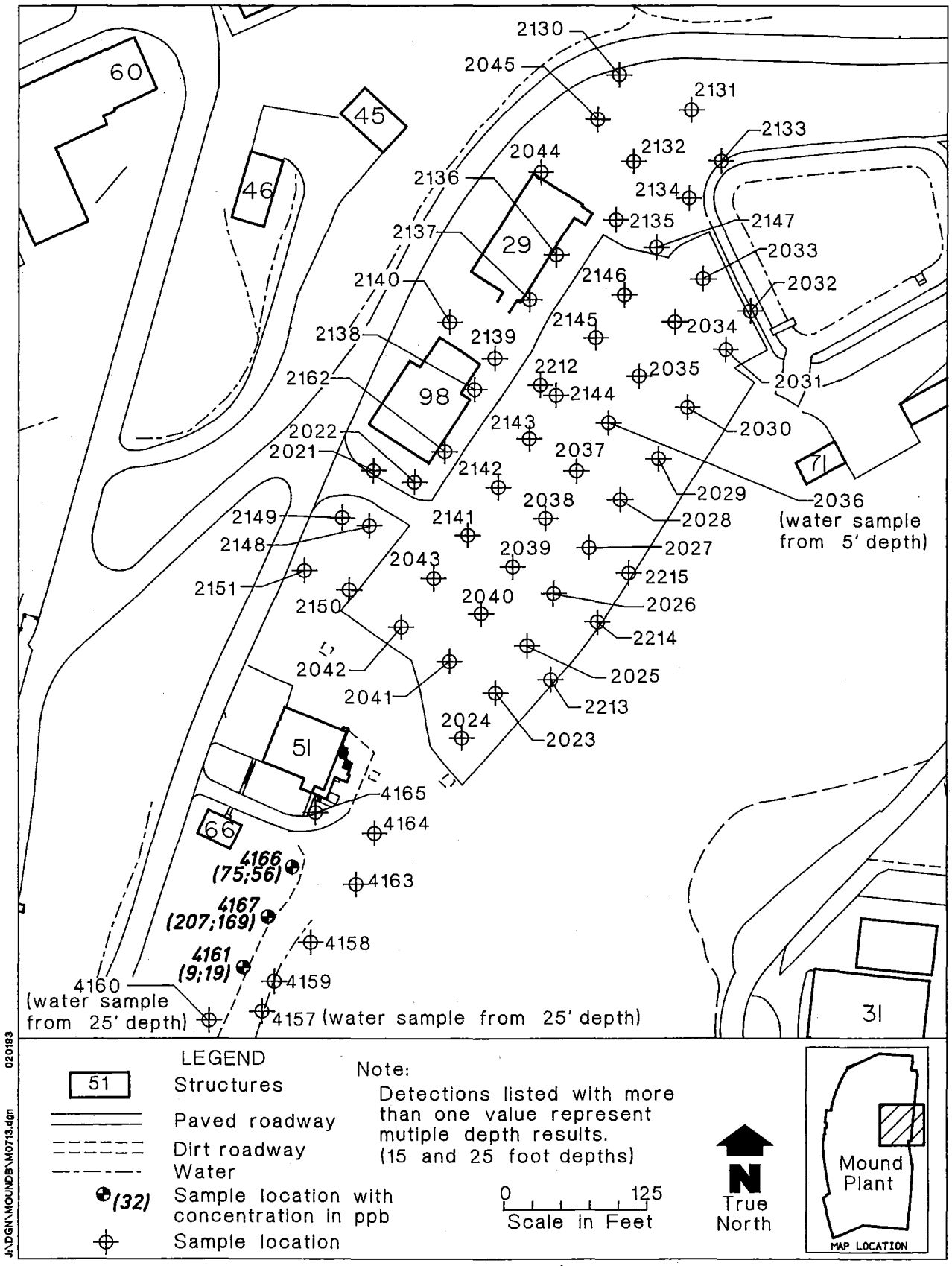

Figure 2.34. Trichloroethene detection map for Area 7 and Building 51.

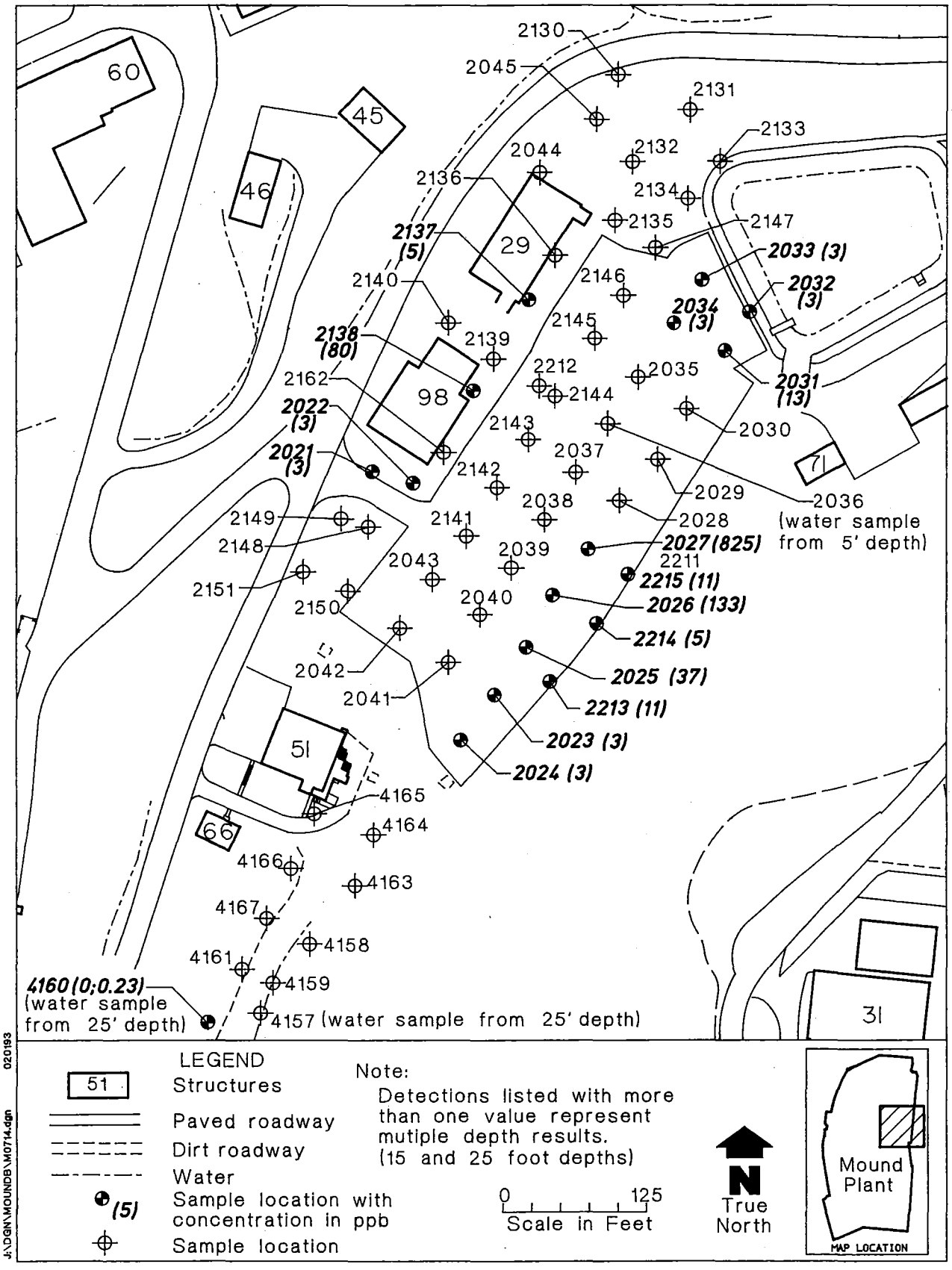

Figure 2.35. Toluene detection map for Area 7 and Building 51.

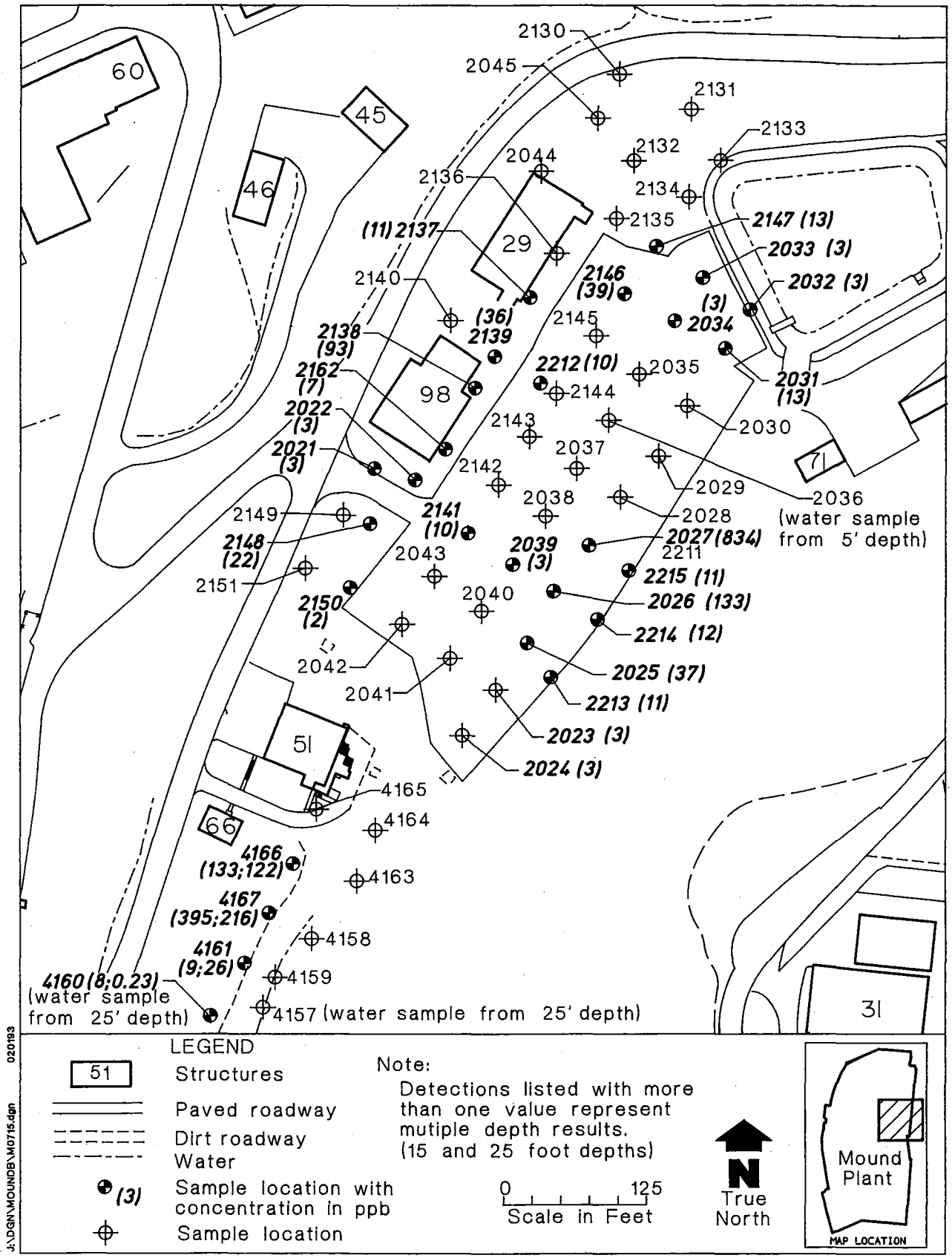

Figure 2.36. Total VOCs detection map for Area 7 and Building 51.

TABLE II.9 SUMMARY OF POSITIVE BLANK DETECTIONS – BUILDING 51
(ppb)

SAMPLE ID	SAMPLE DATE	FREON 11	FREON 113	TRAN–12DCE	CIS–12DCE	111TCA	PCE	TCE	TOLUENE
MND–01–4157–2000w	28 AUG 92	---	---	---	---	---	---	---	0.1
MND–01–4158–3001	29 AUG 92	---	---	---	---	---	---	---	5
MND–01–4168–3001	31 AUG 92	---	---	---	---	---	---	---	3

Notes:

Only QA/QC sample locations having positive detections are shown.
w: Indicates water sample.

TABLE II.10 SUMMARY OF POSITIVE DETECTIONS–AREA 7
(ppb)

SAMPLE ID	SAMPLE DATE	FREON 11	FREON 113	TRAN–12DCE	CIS–12DCE	111TCA	PCE	TCE	TOLUENE
MND–01–2021–0005	1 AUG 92	---	---	---	---	---	---	---	3
MND–01–2022–0005	1 AUG 92	---	---	---	---	---	---	---	3
MND–01–2023–0005	1 AUG 92	---	---	---	---	---	---	---	3
MND–01–2024–0005	1 AUG 92	---	---	---	---	---	---	---	3
MND–01–2025–0005	1 AUG 92	---	---	---	---	---	---	---	37
MND–01–2026–0005	1 AUG 92	---	---	---	---	---	---	---	133
MND–01–2027–0005	1 AUG 92	---	---	---	---	9	---	---	825
MND–01–2031–0005	1 AUG 92	---	---	---	---	---	---	---	13
MND–01–2032–0005	2 AUG 92	---	---	---	---	---	---	---	3
MND–01–2033–0005	2 AUG 92	---	---	---	---	---	---	---	3
MND–01–2034–0005	2 AUG 92	---	---	---	---	---	---	---	3
MND–01–2034–1005	2 AUG 92	---	---	---	---	---	---	---	3
MND–01–2036–0005w	3 AUG 92	---	---	---	---	---	---	---	242 *
MND–01–2036–1005w	3 AUG 92	---	---	---	---	---	---	---	218 *
MND–01–2039–0005	2 AUG 92	---	---	---	3	---	---	---	---
MND–01–2044–0005	3 AUG 92	---	---	---	---	---	---	---	13 *
MND–01–2137–1005	24 AUG 92	---	---	---	---	6	---	---	5
MND–01–2138–0005	24 AUG 92	11	---	---	---	2	---	---	80
MND–01–2139–0005	25 AUG 92	32	4	---	---	---	---	---	3 *
MND–01–2141–0005	25 AUG 92	---	---	---	10	---	---	---	5 *
MND–01–2142–0005	25 AUG 92	---	---	---	---	---	---	---	11*
MND–01–2142–1005	25 AUG 92	---	---	---	---	---	---	---	11*
MND–01–2145–0005	25 AUG 92	---	---	---	---	---	---	---	5 *
MND–01–2146–0005	25 AUG 92	---	33	---	---	---	6	---	---
MND–01–2147–0005	25 AUG 92	---	13	---	---	---	---	---	---
MND–01–2148–0005	26 AUG 92	---	---	---	---	22	---	---	---
MND–01–2149–0005	26 AUG 92	---	---	---	---	---	---	---	5 *
MND–01–2149–1005	26 AUG 92	---	---	---	---	---	---	---	5 *
MND–01–2150–0005	26 AUG 92	---	---	---	---	2	---	---	5 *
MND–01–2162–0005	30 AUG 92	7	---	---	---	---	---	---	---
MND–01–2212–0015	26 SEP 92	---	10	---	---	---	---	---	---
MND–01–2213–0005	26 SEP 92	---	---	---	---	---	---	---	11
MND–01–2214–0005	26 SEP 92	---	---	---	---	---	7	---	5
MND–01–2215–0005	26 SEP 92	---	---	---	---	---	---	---	11

Notes:

Only sample locations having positive detections are shown.
*: Associated trip, ambient, equipment or field blank contained specified compound.
B: Indicates blank sample.
w: Indicates water sample.

Table II.11 summarizes the Area 7 blank samples which contained VOC concentrations. Toluene was detected in various trip, ambient, and field blank samples associated with the Area 7 sampling effort at concentrations ranging from 3 to 186 ppb.

2.3.5. Main Parking Lot and Southwest of Main Hill

The contingency sampling effort conducted during the final week of the soil gas survey included the collection of five Main Parking Lot soil gas samples and six soil gas samples southwest of the Main Hill. All were collected from a depth of 5 feet. Table II.12 summarizes the detections from the Main Parking Lot and southwest of Main Hill sampling efforts.

At the Main Parking Lot only toluene was detected. Samples 2216 and 2219 contained toluene at 104 and 11 ppb, respectively (Figure 2.37). Toluene was detected in an ambient blank sample at location 2220 at a concentration of 8 ppb, but this sample was collected one day after the detections described above. No other blanks contained measurable concentrations of target compounds.

Southwest of the Main Hill four of the target compounds were detected. Most of these occurred in sample 5221, which was collected adjacent to Building 19. Freon 11, Freon 113, and TCE were detected in sample 5221 at concentrations of 21, 131, and 66 ppb, respectively. Figures 2.38 through 2.40 illustrate these detections. Toluene was detected at four locations southwest of the Main Hill, at concentrations ranging from 11 to 82 ppb (Figure 2.41); however, all of these samples had an associated ambient blank sample containing 8 ppb toluene (Table II.13). Figure 2.42 shows the sum of total VOCs detected at sample location 5221.

2.4. SUMMARY AND CONCLUSIONS

2.4.1. Summary of Results

Table II.14 summarizes the range of detections from each study area for the eight target compounds. As shown, peak Main Hill detections for the eight target compounds ranged from 247 to 131,000 ppb, with the highest being Freon 113. Peak Area J detections ranged from 11 to 46 ppb, with the highest being Freon 11. Peak Building 51 detections ranged from 18 to 89 ppb, with the highest being Freon 11. Peak Area 7 detections ranged from 7 to 825 ppb, with the highest being Toluene. Peak detections from the Main Parking Lot and southwest of Main Hill ranged from 21 to 131 ppb, with the highest being Freon 113.

Table II.11. SUMMARY OF POSITIVE BLANK DETECTIONS–AREA 7
(ppb)

SAMPLE ID	SAMPLE DATE	FREON 11	FREON 113	TRAN–12DCE	CIS–12DCE	111TCA	PCE	TCE	TOLUENE
MND–01–2021–3002	2 AUG 92	---	---	---	---	---	---	---	3
MND–01–2036–5000w	3 AUG 92	---	---	---	---	---	---	---	59
MND–01–2036–2000	3 AUG 92	---	---	---	---	---	---	---	186
MND–01–2130–5000	19 AUG 92	---	---	---	---	---	---	---	3
MND–01–2147–3002	25 AUG 92	---	---	---	---	---	---	---	8
MND–01–2151–3002	26 AUG 92	---	---	---	---	---	---	---	11

Notes: Only QA/QC sample locations having positive detections are shown.
w: Indicates water sample.

TABLE II.12. SUMMARY OF POSITIVE DETECTIONS–MAIN PARKING LOT AND SOUTHWEST OF MAIN HILL (ppb)

SAMPLE ID	SAMPLE DATE	FREON 11	FREON 113	TRAN–12DCE	CIS–12DCE	111TCA	PCE	TCE	TOLUENE
MND–01–2216–0005	26 SEP 92	---	---	---	---	---	---	---	104
MND–01–2219–0005	26 SEP 92	---	---	---	---	---	---	---	11
MND–01–5221–0005	27 SEP 92	21	131	---	---	---	---	66	16 *
MND–01–5222–0005	27 SEP 92	---	---	---	---	---	---	---	11 *
MND–01–5222–1005	27 SEP 92	---	---	---	---	---	---	---	16 *
MND–01–5225–0005	27 SEP 92	---	---	---	---	---	---	---	13 *
MND–01–5226–0005	27 SEP 92	---	---	---	---	---	---	---	82 *

Notes:

Only sample locations having positive detections are shown.

*: Associated trip, ambient, equipment or field blank contained specified compound.

B: Indicates blank sample.

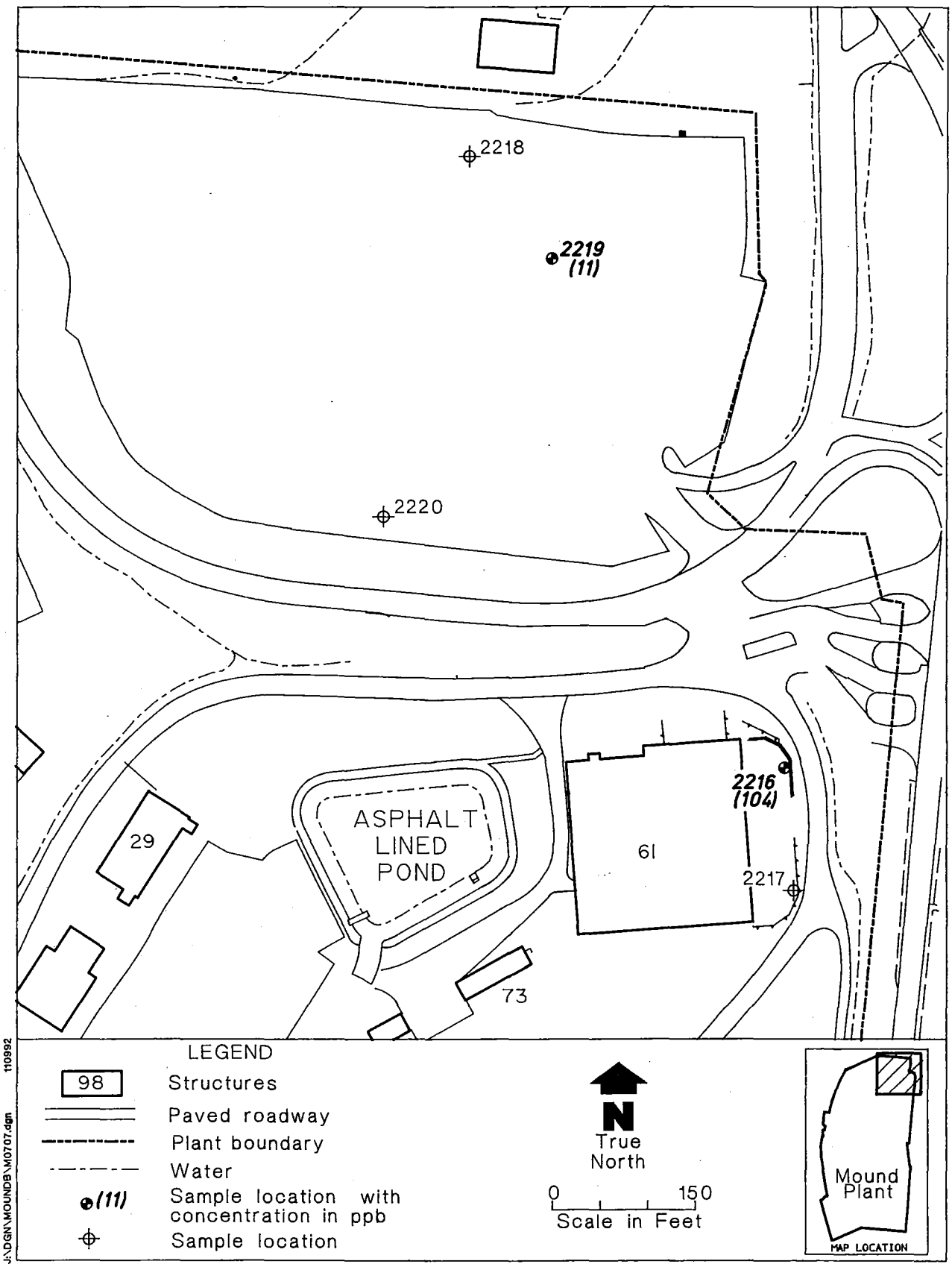

Figure 2.37. Toluene detection map for Main Parking Lot.

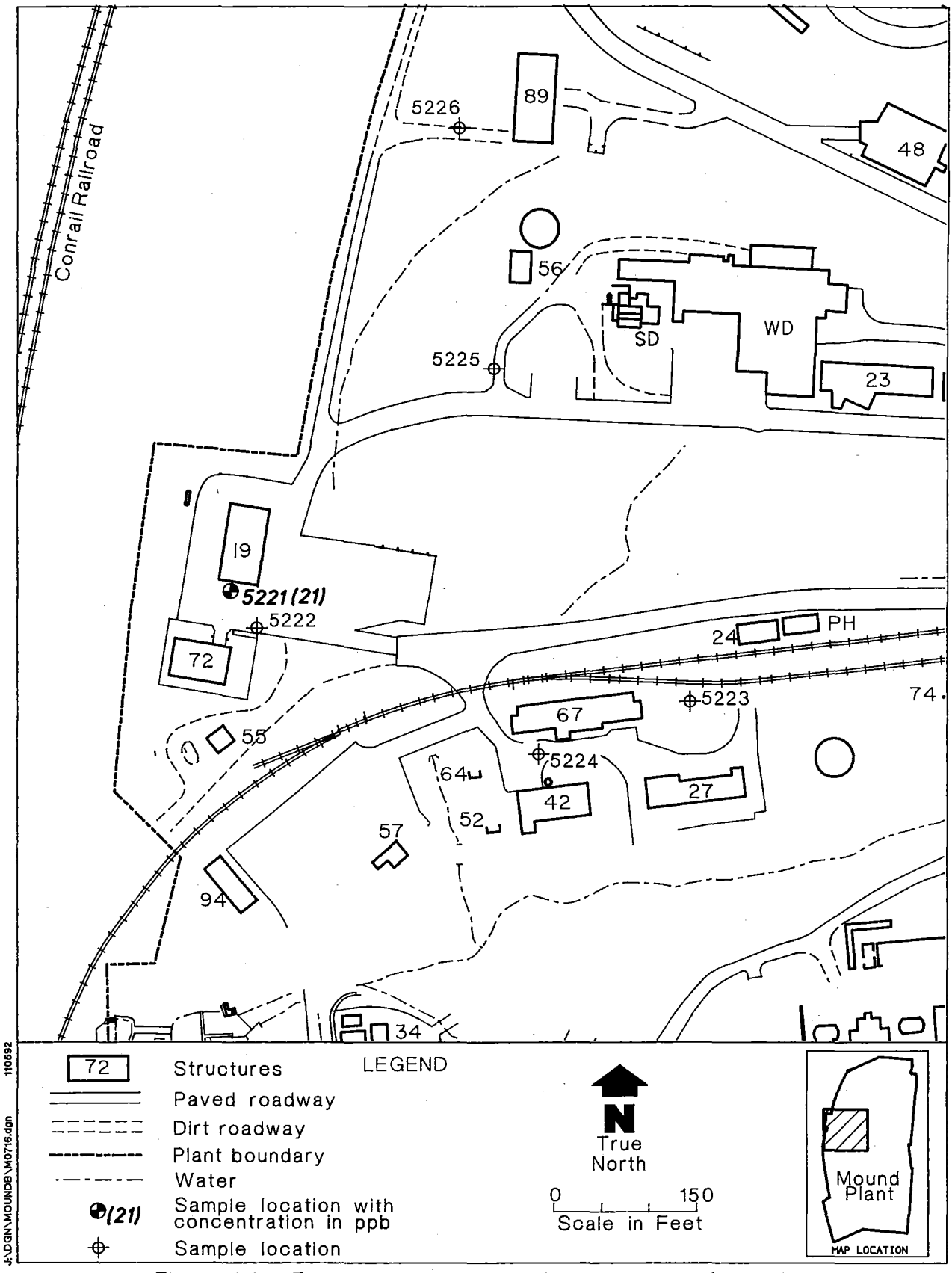

Figure 2.38. Freon II detection map for southwest of Main Hill.

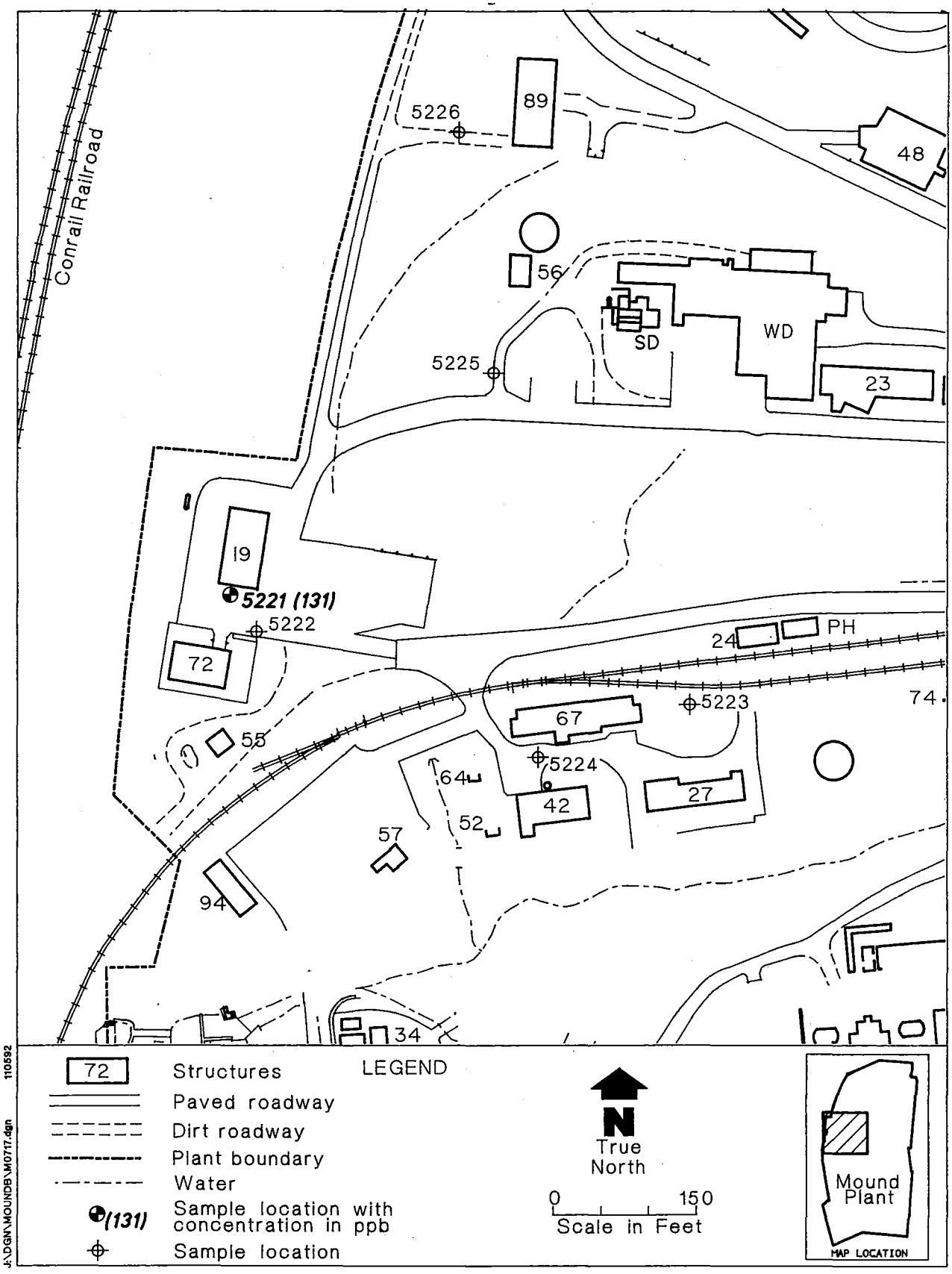

Figure 2.39. Freon 113 detection map for southwest of Main Hill.

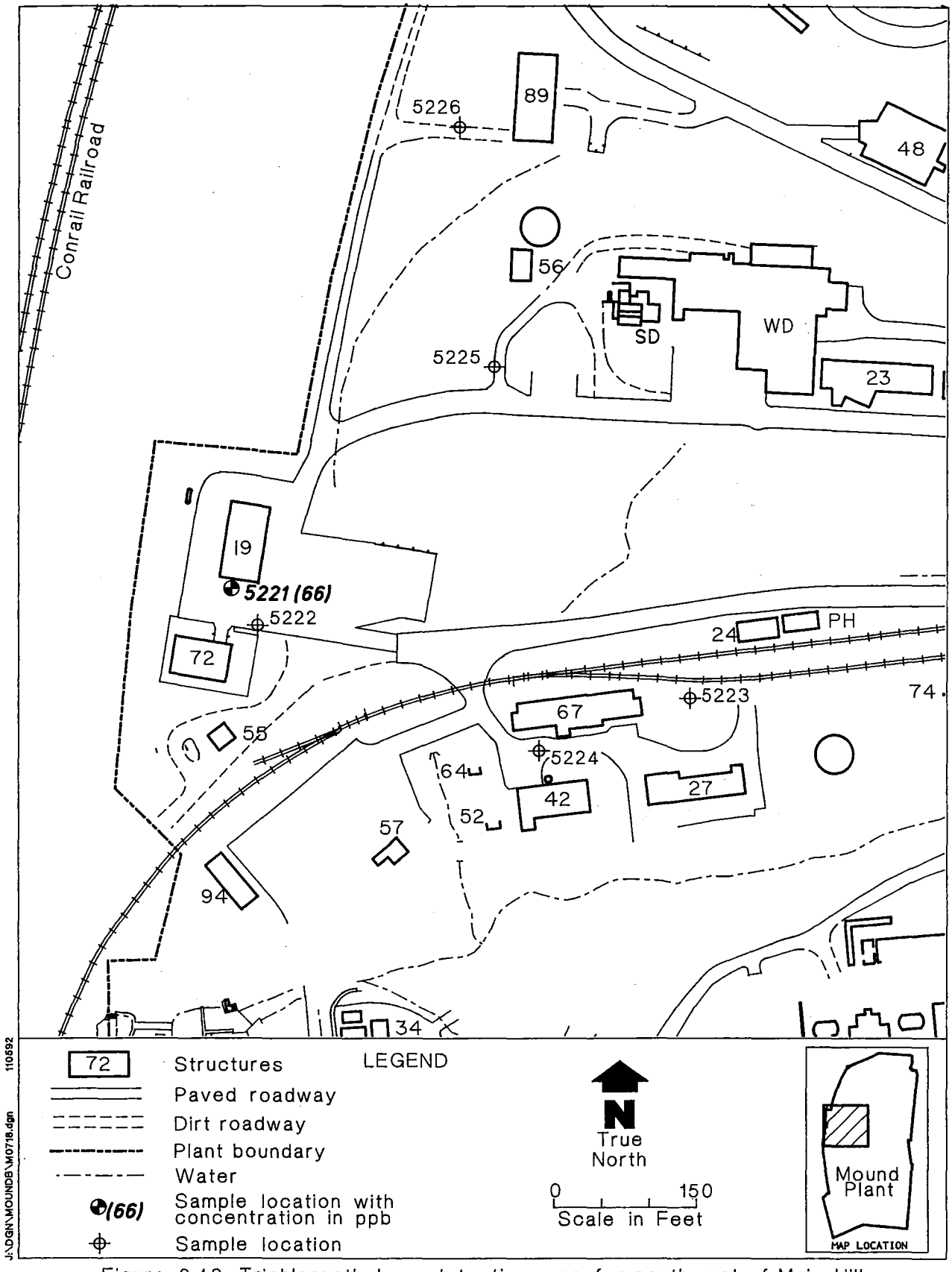

Figure 2.40. Trichloroethylene detection map for southwest of Main Hill.

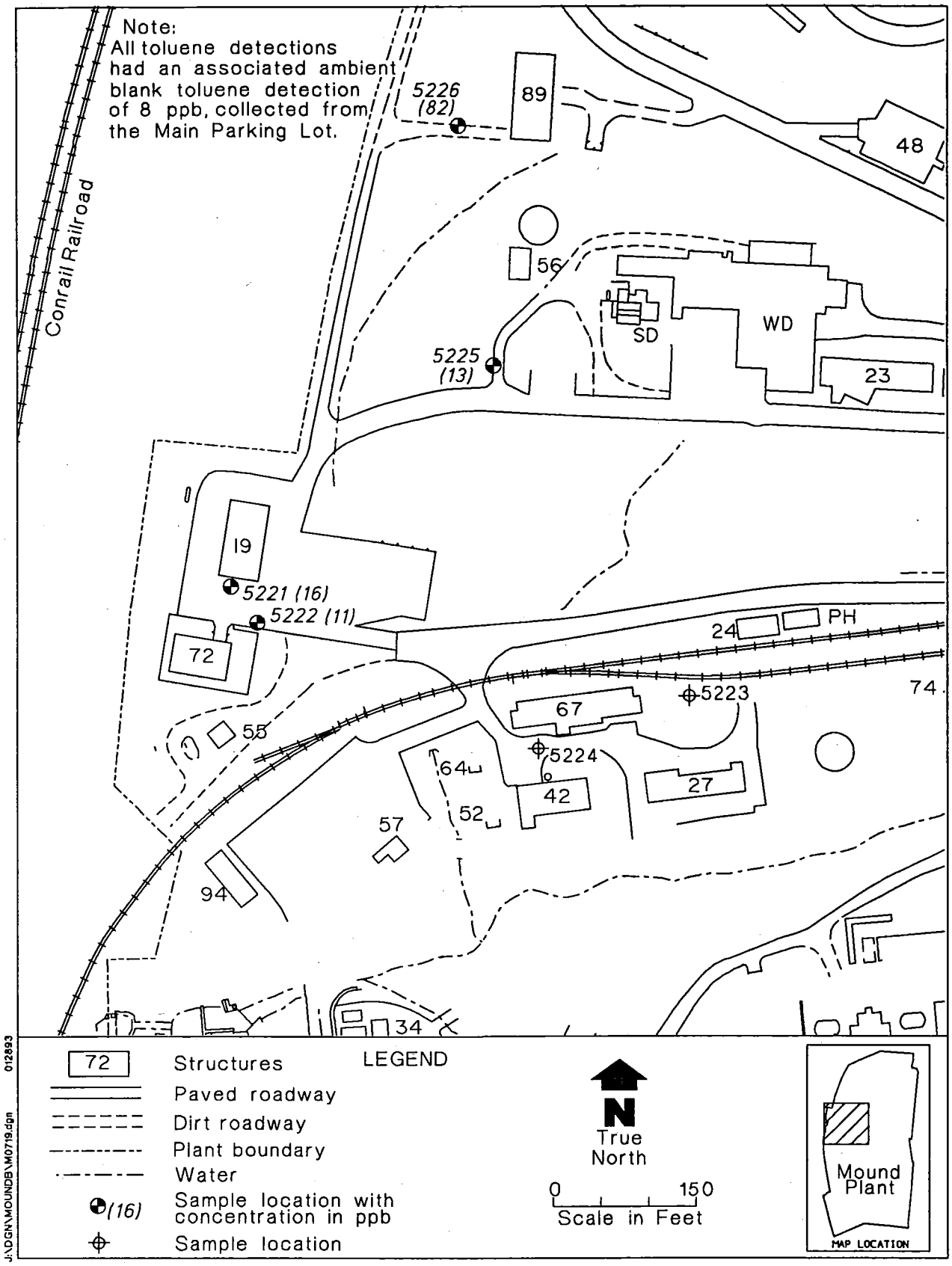

Figure 2.41. Toluene detection map for southwest of Main Hill.

Table II.13. SUMMARY OF POSITIVE BLANK DETECTIONS–MAIN PARKING LOT (ppb)

SAMPLE ID	SAMPLE DATE	FREON 11	FREON 113	TRAN–12DCE	CIS–12DCE	111TCA	PCE	TCE	TOLUENE
MND–01–2220–3002	27 SEP 92	---	---	---	---	---	---	---	8

Notes: Only QA/QC sample locations having positive detections are shown.

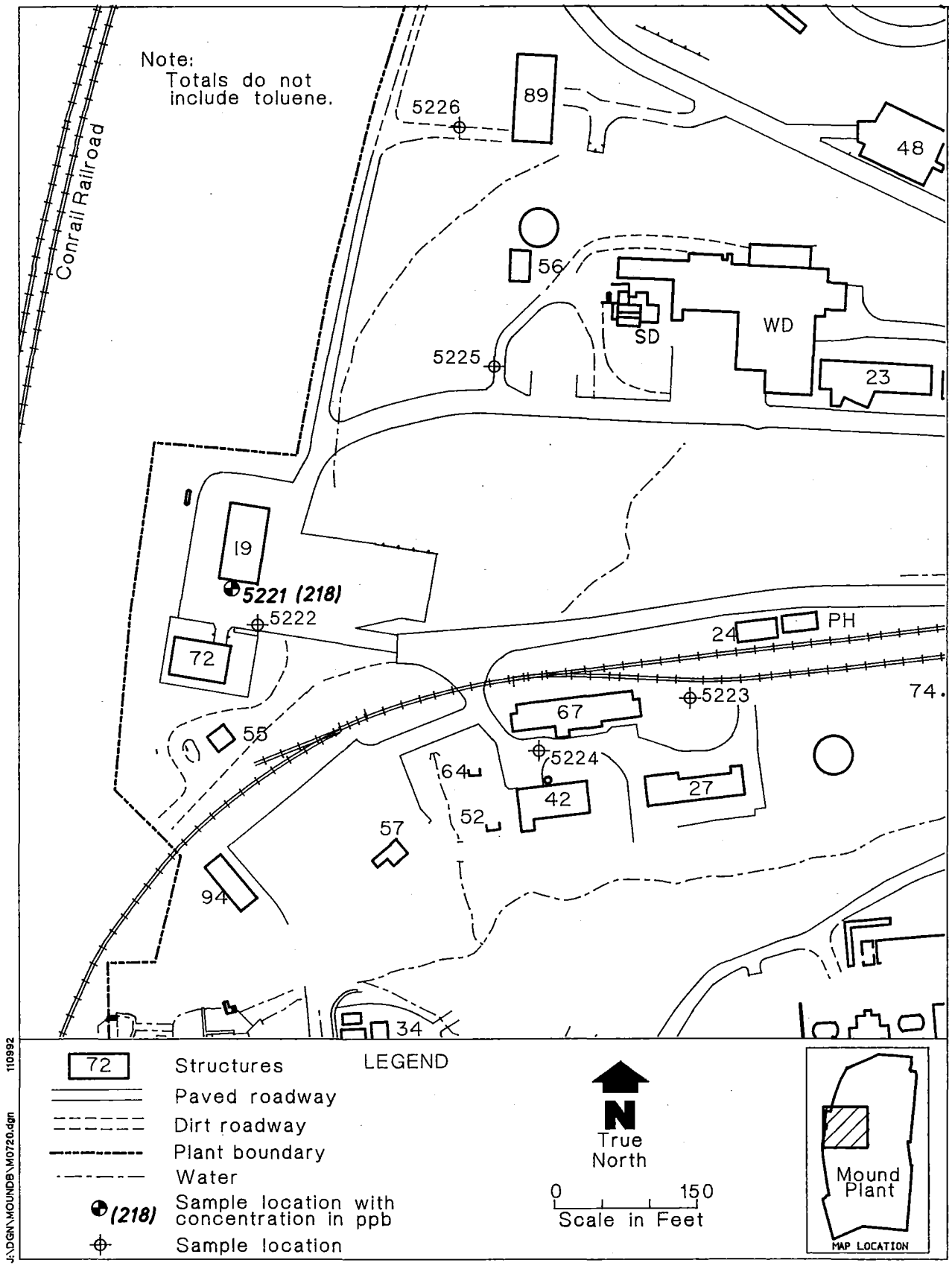

Figure 2.42. Total VOCs detection map for southwest of Main Hill.

TABLE II.14. RANGE OF DETECTIONS BY AREA

Area	Range of Detections (ppb)	Location of Highest Detection
Main Hill		
Freon 11	2–801	MND–01–1122–0005
Freon 113	4–131000	MND–01–1093–0005
Trans–12DCE	13–247	MND–01–1093–0005
cis–12DCE	120–40800	MND–01–1093–0005
111TCA	2–315	MND–01–1114–0005
PCE	3–1191	MND–01–1074–0005
TCE	2–34780	MND–01–1093–0005
Toluene	3–23142	MND–01–1206–0005
Area J		
Freon 11	2–46	MND–01–3154–1005
111TCA	7–37	MND–01–3175–0005
PCE	10–15	MND–01–3171–0005
TCE	13	MND–01–3154–0005
Toluene	5–11	MND–01–3153–0005
Building 51		
Freon 11	5–89	MND–01–4167–0015
Freon 113	9–18	MND–01–4166–0025
cis–12DCE	8–18	MND–01–4167–0015
111TCA	4–37	MND–01–4167–0015
PCE	7–44	MND–01–4166–0015
		MND–01–4166–0025
		MND–01–4167–0015
TCE	9–207	MND–01–4167–0015
Toluene	0.2–37	MND–01–4160–0015
Area 7		
Freon 11	11–32	MND–01–2139–0005
Freon 113	4–33	MND–01–2146–0005
cis–12DCE	3–10	MND–01–2141–0005
111TCA	2–22	MND–01–2148–0005
PCE	6–7	MND–01–2214–0005
Toluene	3–825	MND–01–2027–0005
Main Parking Lot and Southwest of Main Hill		
Freon 11	21	MND–01–5221–0005
Freon 113	131	MND–01–5221–0005
TCE	66	MND–01–5221–0005
Toluene	11–104	MND–01–2216–0005

During the investigation, the laboratory chemist noted 35 samples which showed the presence of other volatile organic constituents which were not quantified in analysis. Most of these occurrences were hydrocarbon compounds associated with petroleum distillates. Table II.15 summarizes the locations and types of contaminants observed but unquantified during the sample analysis program. Table II.16 provides the Ohio State Plane Coordinates for each sample location.

Potential sources of these soil vapor detections are relatively apparent at certain areas and less apparent at others. The most obvious release site related to soil vapor detections is the B Building solvent storage shed. Another possible release site is Building 58, where former waste handling activities include storage tanks and an old drum staging area.

Most of the detection locations are adjacent to storm sewers, which may or may not be misleading. Storm sewers are present throughout the facility, and the pattern of soil vapor detections near them may only be coincidental.

2.4.2. Nature and Extent of Contamination

The general pattern of VOC detections from the study areas shows the occurrence of many low-concentration detections located across much of the site with a limited number of locations showing relatively elevated VOC concentrations. Figure 2.43 is a colorized map that delineates all locations containing elevated VOC concentrations. Of the approximately 60 Main Hill sample locations showing the presence of one or more of the target compounds, 12 samples had total VOC concentrations exceeding 1,000 ppb. These 12 detections ranged from 1,067 to 206,827 total ppb, and appear to be associated with these primary vicinities: Building HH, Buildings I, 11, and 16, Building 17, and Building B. These detection locations may also be due to factors other than waste handling activities at each of these buildings, such as isolated surface spillage not related to the buildings, or the migration of soil vapors along preferred pathways (i.e., sewer lines, buried utilities, bedrock fractures). Much of the Main Hill is underlain by these buried features. The B Building area contains abundant buried utilities which, in fact, limited site accessibility to the sampling rig.

Other areas on the Main Hill which showed elevated detections greater than 500 ppb consist of Building 79, the area east of Building 28, the base of the slope beneath Building DS, the roadway south of Building HH, and the visitors parking lot at the north end of the Main Hill.

Locations with total soil vapor concentrations between 100 and 500 ppb include of the roadway between Building 70 and Building E, the roadway north and east of Building 48, additional locations

TABLE II.15 UNQUANTIFIED SOIL VAPOR DETECTIONS

SAMPLE ID	DETECTED COMPOUND OR TYPE
MND–01–1007–0005	Freon 113
MND–01–1008–0005	Freon 113
MND–01–1009–0005	Freon 113
MND–01–1010–0005	Freon 113
MND–01–1011–0005	Freon 113
MND–01–1014–0002	Fuel Pattern
MND–01–1050–0003	Chlorinated Hydrocarbon
MND–01–1075–0005	Fuel Pattern
MND–01–1081–0005	Fuel Pattern
MND–01–1098–0004	Fuel Pattern
MND–01–1110–0005	Fuel Pattern
MND–01–1119–0005	Fuel Pattern
MND–01–1124–0005	Fuel Pattern
MND–01–1196–0005	Fuel Pattern
MND–01–1201–0007	Vinyl Chloride, Methane
MND–01–1203–0002	Fuel Pattern
MND–01–1206–0005	Diesel Fuel
MND–01–1207–0005	Fuel Pattern
MND–01–1227–0005	Diesel Fuel Pattern
MND–01–2023–0005	Peak on FID
MND–01–2027–0005	Fuel Pattern
MND–01–2034–0005	Peaks on FID
MND–01–2040–0005	Peaks on FID
MND–01–2135–0005	Peak @ 7 HECD
MND–01–2138–0005	Fuel Pattern
MND–01–2139–0005	Diesel Pattern
MND–01–2142–0005	Fuel Pattern
MND–01–2142–1005	Fuel Pattern
MND–01–2144–0005	Fuel Pattern
MND–01–2147–3002	Fuel Pattern
MND–01–2151–3002	Fuel Pattern
MND–01–2216–0005	Fuel Pattern
MND–01–2220–3002	Fuel Pattern
MND–01–4160–0015	Fuel Pattern
MND–01–5225–0005	Diesel Fuel Pattern

Note: Freon 113 identified with additional standards following the initiation of field activities.

TABLE II.16
SAMPLING LOCATIONS - OHIO STATE PLANE COORDINATE SYSTEM

SAMPLE POINT#	NORTHING	EASTING	ELEV.
1001	598995.59	1495666.99	875.10
1002	599071.91	1495836.39	876.02
1003	599075.75	1495727.64	876.05
1004	599130.90	1495787.86	876.12
1005	599191.86	1495900.67	876.11
1006	599235.05	1495995.94	875.51
1007	599280.15	1496093.58	874.23
1008	599324.73	1496190.10	873.18
1009	599369.34	1496237.76	871.29
1010	599376.79	1496289.26	871.12
1011	599455.59	1496396.88	868.23
1012	599353.71	1496561.16	868.16
1013	599405.21	1496542.23	868.25
1014	599226.30	1496306.52	873.01
1015	599118.85	1496494.31	872.59
1016	599065.57	1496408.17	874.84
1017	599040.16	1496320.41	875.00
1018	599006.22	1496293.34	877.79
1019	598985.90	1496248.74	877.76
1020	598947.87	1496064.79	878.16
1046	598698.00	1495907.45	877.58
1047	598718.45	1495952.87	877.33
1048	598736.01	1495990.18	877.54
1050	598778.78	1496074.91	877.57
1051	598761.53	1496036.78	877.60
1052	598831.84	1496390.07	876.35
1053	598848.15	1496426.43	875.63
1054	598893.72	1496519.18	874.19
1055	598924.74	1496595.16	871.60
1056	598465.60	1496470.76	866.03
1057	598521.35	1496457.66	867.10
1058	598573.03	1496435.74	871.78
1059	598642.91	1496429.56	876.55
1062	598677.37	1496276.11	877.37
1063	598600.81	1496312.94	877.62
1064	598531.04	1496337.01	877.95
1065	598454.31	1496181.60	876.76
1066	598404.55	1496071.21	876.89
1067	598383.71	1496028.65	876.63
1069	598326.03	1495902.82	876.80
1070	598310.78	1495859.02	876.30
1071	598381.78	1495824.97	877.81
1072	598435.12	1495686.37	874.12
1074	598353.28	1495789.55	876.28
1075	598508.04	1495679.97	874.93
1076	598683.78	1495598.86	874.00
1077	598928.68	1495619.85	874.25

TABLE II.16
SAMPLING LOCATIONS - OHIO STATE PLANE COORDINATE SYSTEM

SAMPLE POINT#	NORTHING	EASTING	ELEV.
1078	598836.59	1495591.88	873.92
1079	598752.94	1495554.87	873.84
1080	598651.48	1495505.96	869.37
1081	598556.49	1495461.27	863.90
1082	598470.69	1495440.52	859.47
1083	598378.11	1495459.89	861.85
1084	598286.38	1495541.29	853.41
1085	598235.87	1495644.06	844.62
1086	598188.82	1495742.51	836.27
1087	598141.14	1495841.95	828.50
1088	598089.60	1495949.79	826.38
1089	598040.06	1496053.12	824.60
1090	598016.76	1496162.97	820.41
1091	598208.54	1496564.76	819.82
1092	598316.93	1496579.96	826.00
1093	598811.09	1495766.75	878.08
1094	598830.50	1495752.26	877.84
1095	598931.34	1496013.70	878.19
1096	598889.25	1495942.42	877.85
1097	598846.24	1495828.87	878.00
1098	598996.39	1496155.28	877.64
1099	598600.26	1495635.95	874.53
1100	599128.06	1495920.74	875.73
1101	599406.07	1496351.14	869.85
1102	599505.57	1496479.01	867.47
1103	599553.47	1496587.85	866.32
1104	599343.28	1496504.39	868.23
1105	599259.81	1496484.74	868.58
1106	599279.52	1496409.63	871.83
1107	599021.70	1496804.39	862.85
1108	599108.37	1496763.58	864.48
1109	599213.74	1496712.86	865.63
1110	599324.14	1496663.40	867.41
1111	598013.57	1496448.80	802.96
1112	598077.65	1496515.95	808.75
1113	597989.55	1496406.21	802.08
1114	597958.94	1496341.45	801.21
1115	597937.00	1496291.62	800.26
1116	597917.76	1496227.66	797.91
1117	597902.14	1496181.42	795.76
1118	597892.95	1496109.32	793.77
1119	597996.25	1496240.72	809.88
1120	597981.68	1496221.68	806.89
1121	597928.95	1496010.38	791.72
1122	597920.16	1495939.24	791.38
1123	597906.02	1495826.21	788.55
1124	597911.17	1495723.91	785.03

TABLE II.16
SAMPLING LOCATIONS - OHIO STATE PLANE COORDINATE SYSTEM

SAMPLE POINT#	NORTHING	EASTING	ELEV.
1125	597914.43	1495631.32	784.58
1126	597917.21	1495583.23	786.45
1127	597960.81	1495544.82	788.80
1128	598572.64	1496608.30	834.38
1129	598392.84	1496606.95	826.32
1189	598871.29	1496817.46	839.95
1190	598794.20	1496627.32	859.15
1191	598839.98	1496408.95	875.93
1192	598786.86	1496555.10	874.71
1193	598738.25	1496509.45	876.71
1194	598349.26	1496454.63	866.81
1195	598850.86	1495626.39	874.40
1196	598357.43	1495498.85	858.00
1201	598820.62	1495785.62	878.07
1202	598763.16	1495786.54	878.31
1203	598764.55	1495793.22	878.00
1204	598685.39	1495787.25	877.78
1205	598278.00	1495606.50	848.87
1206	598096.91	1496347.35	817.89
1207	598077.34	1496303.82	817.88
1208	598039.65	1495461.14	798.19
1227	598403.83	1495642.73	872.38
1228	598478.16	1495653.42	873.46
1229	598294.38	1495424.35	837.68
1230	598104.55	1496389.42	817.98
1231	598776.90	1496669.20	849.82
1232	598688.96	1496644.36	843.15
1233	598766.79	1495870.99	877.93
2021	598560.81	1496870.63	804.81
2022	598550.59	1496906.59	803.70
2023	598366.10	1496976.91	802.01
2024	598326.55	1496947.74	802.27
2025	598407.43	1497004.57	802.12
2026	598452.96	1497027.62	802.60
2027	598492.67	1497058.48	803.73
2028	598534.84	1497085.92	804.42
2029	598570.68	1497119.12	805.29
2030	598615.05	1497144.77	806.17
2031	598665.60	1497178.02	807.39
2032	598699.60	1497199.63	808.99
2033	598727.42	1497158.06	808.10
2034	598689.70	1497133.31	807.46
2035	598642.70	1497102.27	806.69
2036	598602.25	1497075.58	805.54
2037	598559.93	1497047.45	804.39
2038	598518.54	1497020.73	803.13
2039	598476.45	1496991.79	801.89

TABLE II.16
SAMPLING LOCATIONS - OHIO STATE PLANE COORDINATE SYSTEM

SAMPLE POINT#	NORTHING	EASTING	ELEV.
2040	598435.56	1496964.65	800.41
2041	598393.79	1496936.96	800.83
2042	598423.80	1496894.95	801.02
2043	598466.09	1496923.08	800.90
2044	598820.04	1497016.34	815.10
2045	598866.44	1497065.64	813.90
2130	598904.99	1497084.10	813.22
2131	598874.18	1497147.27	808.72
2132	598829.41	1497096.86	811.24
2133	598829.90	1497173.55	809.55
2134	598797.41	1497145.54	808.64
2135	598778.57	1497081.51	811.64
2136	598748.13	1497030.06	814.58
2137	598709.86	1497006.47	814.55
2138	598631.22	1496958.94	808.14
2139	598658.74	1496976.47	809.19
2140	598690.14	1496937.02	810.86
2141	598503.75	1496952.75	802.29
2142	598546.03	1496979.62	803.94
2143	598588.11	1497006.49	805.42
2144	598625.90	1497030.02	807.01
2145	598676.58	1497064.28	808.38
2146	598713.42	1497089.18	808.97
2147	598754.75	1497117.23	808.60
2148	598512.46	1496867.13	802.53
2149	598519.43	1496843.45	802.70
2150	598456.14	1496849.20	800.71
2151	598473.02	1496809.97	799.17
2162	598577.41	1496932.75	804.63
2212	598634.96	1497016.20	807.33
2213	598377.67	1497025.21	804.25
2214	598428.09	1497066.08	804.59
2215	598470.63	1497093.09	805.13
2216	598842.56	1497674.42	821.14
2217	598714.90	1497684.50	822.09
2218	599482.75	1497343.23	797.27
2219	599376.33	1497429.80	795.10
2220	599106.47	1497254.39	807.72
3152	597146.81	1497082.84	874.82
3153	597097.16	1497083.80	876.27
3154	597002.28	1497083.61	883.73
3155	597047.25	1497085.58	879.75
3156	597048.53	1497036.16	878.39
3168	597151.56	1496984.34	870.69
3169	597200.88	1496979.85	870.94
3170	597250.43	1496976.95	871.39
3171	597300.56	1496976.34	869.37

TABLE II.16
SAMPLING LOCATIONS - OHIO STATE PLANE COORDINATE SYSTEM

SAMPLE POINT#	NORTHING	EASTING	ELEV.
3172	597346.67	1496979.18	868.02
3173	597099.07	1497033.40	876.32
3174	597148.88	1497031.90	875.10
3175	597198.76	1497029.85	873.23
3176	597249.53	1497027.62	872.69
3177	597298.74	1497025.48	873.07
3178	597349.78	1497024.42	874.05
3179	597378.79	1497024.90	871.57
3180	597378.48	1496974.46	859.31
3181	597381.81	1496924.77	838.97
3182	597302.04	1496928.12	849.18
3183	597303.50	1496881.83	826.80
3185	597382.54	1496877.12	822.91
3187	597197.75	1497079.16	873.77
3188	597246.68	1497077.71	873.44
4158	598148.19	1496815.50	781.40
4159	598114.30	1496783.78	780.90
4157	598087.85	1496772.98	780.16
4160	598079.99	1496726.86	780.07
4161	598126.36	1496756.98	781.30
4163	598199.16	1496855.32	783.18
4164	598243.61	1496871.41	783.53
4165	598261.90	1496819.65	783.48
4166	598214.14	1496799.41	784.78
4167	598170.53	1496778.13	781.94
5221	597741.70	1495127.46	741.79
5222	597703.51	1495155.36	742.24
5223	597626.73	1495608.63	738.31
5224	597571.34	1495450.02	733.66
5225	597973.66	1495402.75	790.22
5226	598224.73	1495366.63	815.04

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adjacent to Building HH, the area near the water tower west of Building 28, and isolated locations near the visitors parking lot at the north end of the Main Hill.

While many of the most elevated Main Hill detections are comprised of two or more of the target compounds, a few of the locations showed only toluene. An examination of the types of contaminants present is necessary in order to ascertain the responsible release site. Locations on the Main Hill with toluene-only hits, or with other indications of petroleum hydrocarbon contamination (based on Table II.15) include the Building HH area, WD Building, I Building, Building GH, the water tower area near Building 28, Building 92 and the roadway between Buildings 40 and OSE.

Some vertical profiling of soil vapor contamination was attempted at two locations near the solvent storage shed at B Building. Samples were collected from depths of 2, 5, and 6 feet. Shallow depth to bedrock prohibited further investigation. Both locations showed increased concentrations with depth.

Excluding the Main Hill, no other sample locations showed detections greater than 1,000 ppb. Area J had a maximum detection of 43 ppb total VOCs. Building 51 had a maximum detection of 395 ppb total VOCs. Area 7 had a maximum detection of 834 ppb total VOCs. The contingency samples collected near the Main Parking Lot had a maximum detection of 104 ppb total VOCs (toluene only, adjacent to Building 61). Southwest of Main Hill had a maximum detection of 218 ppb total VOCs (adjacent to Building 19).

The lateral extent of soil vapor contamination at Area J is relatively confined to the southern half of the grid nearer to the OFRDSS; however, the southern extent of the contamination has not been fully defined. Three of the seven locations showing soil vapors detected only toluene, but no unquantified detections of fuel-type compounds were observed (Table II.15). With solvent-type compounds present in random fashion across the grid at relatively low levels, it appears that no major VOC sources exist within the upper portions of Area J. The two deep samples collected near geophysical anomalies did not show significant contamination either.

The extent of contamination at the Building 51 area appears to be relatively well defined toward the north, south, and east with the decreased concentrations observed in these directions. Solvent-type VOCs are present throughout the vadose zone nearer to Building 66, with only slight decreases in concentration with depth. Neither of the groundwater samples collected from a 25-foot depth showed significant VOC contamination; however, these were not collected beneath the elevated vadose zone locations. The potential for groundwater contamination beneath the soil vapor detection locations therefore exists, and may be acting as the source of the vapor. Insufficient data exists to support or

deny this potential, however. Another potential source of some of the vapor detections is the asphalt pavement in the area, from which VOCs may have originated.

At Area 7 there appears to be two primary types of contamination, solvent-type VOCs associated with the vicinity of Buildings 29 and 98, and toluene or petroleum hydrocarbon-type VOCs found largely in the center and eastern portions of the grid. Numerous solvent-type VOCs were detected near Buildings 29 and 98, including Freon 11, Freon 113, CIS12DCE, 111TCA, and TCE. Both Building 29 and 98 have housed waste handling or chemical handling activities. The lateral extent of this contamination is relatively well defined, with non-detects reported to the north, east, and south. No samples were collected to the west, and soils in that direction may or may not be impacted. The lateral extent of toluene is also well defined. Contingency samples 2213-2215 show decreases in concentrations to the east, while other sample locations had non-detects to the west and south. The unquantified fuel pattern detections shown in Table II.15 show petroleum-type VOCs to primarily affect the center of the Area 7 grid. Vertical profiling of vadose contamination was performed with the collection of two 15-foot soil vapor samples within Area 7. One location (samples 2027 and 2211) showed a large decrease in total VOC concentration with depth, from 834 to 0 ppb. The other location (2144 and 2212) showed only slight variance, from 0 to 10 ppb.

Results of the contingency sampling efforts at the Main Parking Lot and southwest of the Main Hill show Building 19 to be the primary area of concern, with 218 ppb total VOCs detected in sample 5221. This sample contained solvent-type VOCs Freon 11, Freon 113, and TCE. The high automobile traffic area of the Main Parking Lot and the roadway near Building 61 not surprisingly showed toluene and/or unquantified fuel pattern VOC contamination.

2.4.3. Conclusions

2.4.3.1. Limitations of Survey

The types of limiting factors which affected the soil vapor survey can be classified into a physical limitation category and an administrative limitation category. The primary physical limitation encountered during the field effort was the shallow presence of bedrock beneath much of the site. As the results of the survey show, most of the highest soil vapor concentrations were measured from Main Hill locations. The Main Hill typically contains approximately 5 feet of unconsolidated soil/fill overlying bedrock. Any significant release of liquid VOC contamination would tend to infiltrate downward via gravity flow to the bedrock, where spreading would occur and features such as solution cavities, bedrock fractures, and bedding planes would receive the spilled liquids. The difficulties inherent in characterizing bedrock system contaminants precluded focussing beyond the unconsolidated

materials during this study. What the soil vapor survey did accomplish was to detect locations of historical contaminant release. The survey was not designed to quantify the strength of each detected release site. Other physical limitations included the presence of extensive buried utilities and building construction, which prevented access to portions of the site yet undefined. These obstructions also prevented the characterization of horizontal extent of contamination at some locations, such as the B-Building solvent storage shed source area at sample 1093.

Administrative limitations included the target compound list, which consisted of eight different VOCs. Although the laboratory chemist recorded gas chromatograph deflections not associated with the eight VOC standards selected, quantification and identification of all VOCs present would obviously contribute to the interpretation of potential source areas on-site. Also, the investigative results do not preclude the potential presence of semi-volatile organic compounds which would not have been observed during sample analyses.

2.4.3.2. Recommended Further Work

Based on the results of the soil vapor survey the following recommendations can be made for further remedial activities:

- The primary purpose of the soil vapor survey was to identify areas of the site which had VOC contamination within the subsurface, especially the vadose zone. This effort identified numerous locations with elevated VOC concentrations. The highest contaminated locations described in Subsection 2.4.2 should be better characterized as potential release sites through the most effective investigative techniques applicable. For vadose zone contamination the most common technique is the collection of subsurface soil samples. Sampling plans should be developed to provide adequate data regarding horizontal and vertical contaminant extent, types and magnitude of contaminants present, and to provide enough information relating the contamination to probable release sites.

- Some of the areas exhibiting elevated vadose zone VOC concentrations are underlain by saturated unconsolidated material, such as the valley fill area at Building 51 and Area 7. Although it is yet unclear whether the soil vapors present at these locations are due to residual contamination within the vadose zone or to VOCs emanating from contamination within the underlying groundwater, an assessment of groundwater quality within and downgradient of these locations is warranted. The relatively narrow buried valley in which Building 51 and Area 7 lie would allow a relatively localized groundwater investigation.

- A detailed assessment of the probable release site(s) associated with each of the elevated soil vapor sample locations is a logical task. In many cases the details regarding potential contaminant release sites have already been documented in previous submittals. In these cases the contaminant source characterization effort would involve correlating existing information to each associated soil vapor detection.

- Area J subsurface geophysical anomalies are described in Section 3. The soil vapor survey at Area J did not show elevated VOC vapor in the deep samples, and further subsurface characterization using soil borings is not warranted on the basis of soil gas results.

- Continue the ongoing correlation of the multiple site investigations which have been performed to date. This correlation will be especially useful at areas where multiple investigations have overlapped and multi-media data exists. Some of the previous studies to be correlated with this soil vapor investigation include the recently completed OU 3 soil sampling effort, the 1987 soil vapor survey performed southwest of the Main Hill, and numerous others.

- Some of the elevated soil vapor locations may be defined well enough to allow an initiation of soil remediation activities. These locations would be limited in vertical and horizontal extent as defined by shallow depth to bedrock and decreases in VOC concentrations radially away from each location. Each of the locations showing the highest concentrations detected on the Main Hill during this study may meet these limiting criteria. An interpretation of Figure 2.43 shows samples 1074, 1093, 1094, 1201-1203, 1206, and 1227 to be surrounded by samples having much lower VOC levels. Expedited source characterization and remediation may be feasible at one or more of these locations.

- The potential impact of buried utilities on the presence and migration of soil vapors and other types of VOC contamination should be evaluated during future site investigations or remediation activities. Engineered plant drawings specifying the underground utilities need to be referenced. In addition, field inspections of local areas of activity need to be performed during utility clearing tasks to verify the drawing depictions and to check for unknown/unrecorded structures.

Additional recommendations for further work can be assimilated with continued data collection and interpretation activities. The large scale objectives of this soil vapor survey have been met. The planning of future site characterization efforts will be enhanced by the use of chemical data and information presented in this document. It is suggested that specific areas identified as needing further investigation in this or future reports will benefit by the close examination of these soil vapor results on a smaller scale, where intuitive findings may provide valuable local information.

3. GEOPHYSICAL SURVEYS

3.1. GEOPHYSICAL SURVEY ALONG MIAMI-ERIE CANAL

3.1.1. Background

The geophysical survey was conducted on a portion of the Miami-Erie Canal at the approximate point of discharge of the plant drainage ditch (Figure 3.1). The location and area surveyed were defined by EG&G during a preliminary site visit. The site resembles a north-south trending elongated trench approximately 50 feet wide with soil berms approximately 3 to 5 feet high along the east and west edges. The trench contains trees and brush. Before the geophysical surveys were conducted, this vegetation was cut to provide access along proposed north-south traverse lines. Magnetometer/gradiometer and electromagnetic (EM-31) surveys were performed in the Miami-Erie Canal for the purpose of locating a steel power plant boiler reported to have been buried within the survey area. Subsequent research indicates that tanks from the old power plant were placed there to control surface water runoff. The magnetometer/gradiometer survey was conducted starting on June 30, 1992, and the electromagnetic survey was conducted starting on July 1, 1992.

3.1.2. Sources of Potential Error

According to the Space Environment Services Center in Boulder, Colorado, magnetic storms that can influence the geomagnetic field (Magnetic A-Index $\geq$ 20) did not occur during the field work. However, overhead electric power lines are present along the berms on both the eastern and western edges of the survey area. The power lines are grounded within the survey area. The current from the grounded lines could induce electrical currents that may cause local electrical conductivity anomalies or produce external sources of electricity that could influence the field measurements. Although sources of potential error in the geophysical measurements exist, the relative magnitude of the errors produced cannot be determined a priori because there is no theoretical basis for calculating such error. These types of errors, if they are present, can be recognized in the collected data and compensated accordingly.

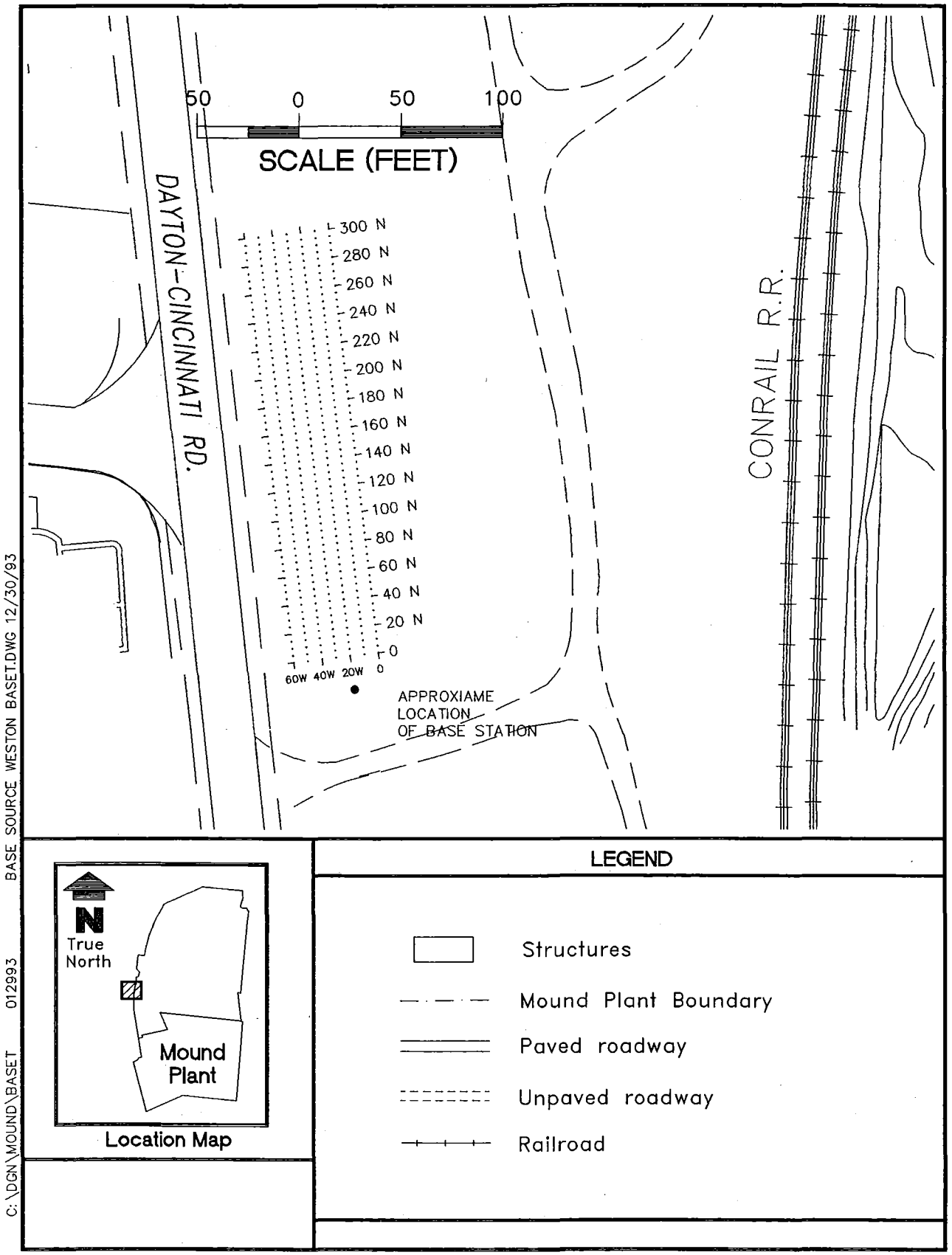

Figure 3.1. Location of Geophysical Survey Grid in the Miami-Erie Canal

3.1.3. Magnetometer/Gradiometer Survey

3.1.3.1. Equipment and Field Operations

Two GEM GSM-19 proton precession magnetometers were used in surveying the Miami-Erie Canal. The GSM-19 is a high sensitivity Overhauser Effect magnetometer/gradiometer designed for measurement of the Earth's magnetic field in geotechnical and environmental investigations. The unit has a measurement resolution of 0.01 nanoTesla (nT) and an absolute accuracy of 0.2 nT over its full range. Because the GSM-19 is a microprocessor-based instrument, it has built-in data storage capabilities.

The instrument is not field serviceable except for the battery. Self-test functions and internal warning signals are used to determine if the instrument is functioning properly and, if not, selected trouble-shooting of potential problems can be done in the field during data collection.

During the survey, one GSM-19 unit was continuously operated as a base station and was located in an area free of known magnetic sources, 15 feet south of a point midway between lines 20E and 30E, Station 0. The other unit was mobile and was used to measure both the total magnetic field and the magnetic gradient at each of the grid stations. The configuration of the mobile unit was to have two proton precession sensors separated by 58 centimeters (1.9 feet) on a 195 centimeter (6.4 feet) aluminum staff; the upper sensor was placed at the top of the staff. The lower sensor measured the total magnetic field and both sensors measured the magnetic gradient. The magnetic gradient is measured by both sensors simultaneously, resulting in a high quality gradient determination. The magnetic gradient measurements are independent of diurnal variations of magnetic field. The merit in measuring the magnetic gradient is that it is more sensitive and can more readily discriminate iron-bearing objects buried in the shallow subsurface compared to measurements of the total magnetic field magnetometer.

Both the base station and mobile units were synchronized to: (1) the regional magnetic field, (2) the time of day, and (3) other aspects of the field operations for the purpose of automatically correcting the measured total magnetic field for diurnal drift. All data were recorded using the built-in data loggers compatible with the instruments. Automatic logging of the data obviated the need to manually record information on field data sheets. To ensure that the mobile logger was recording properly, the logger's liquid crystal display (LCD) was viewed at every tenth station to determine if correct values of line and station number were recorded and if the measurement of total magnetic field and gradient were reasonable. The magnetometer at the base station was also viewed periodically for proper

operation. At the end of each day's survey, the data from both units were transferred to a Dell NX20 portable computer to preserve all data on the hard disk. A backup of the data was also made on a floppy diskette.

The survey area was 300 feet by 60 feet with seven traverse lines oriented approximately north-south along the long dimension of the Miami-Erie Canal and spaced 10 feet apart. Measurement stations were located every 5 feet along each of the traverse lines (Plate 1). The data collected during the surveys are plotted as profiles along the traverse lines and as maps (Plates 2 to 10); the data is listed in Appendix D.

3.1.3.2. Data Reduction and Analysis

Data reduction and computer analyses were performed in the office. Data reduction was done by computer and consisted of comparing the measurements taken with the base and mobile magnetometers. These data sets were merged to produce a corrected set by accounting for the diurnal drift. This process was facilitated by automatically synchronizing the mobile and base instruments before conducting the survey using the internal software of the magnetometer units.

Preliminary interpretations of the data were made by visual inspection to identify errors in the data, interference from magnetic storms, and other sources that might produce spurious anomalies. None of these types of errors were detected in the data. After performing all data reductions and inspections, the data were collated and merged into appropriate files (Appendix D), organized into the grid corresponding to the field stations, and plotted as profiles and maps (Plates 2 to 4) using software packages developed and licensed by Geosoft, Incorporated. Individual packages in this software that were used to view, process, and plot the geophysical data include MAPPLOT (version 2.2), CONTUR (version 2.4), MAPSET (version 2.2), GRIDHANN (no version specified), BIGRID (version 2.1), and VIEWGRID (version 2.0). The resulting profiles and maps were used to interpret the magnetometer/gradiometer survey data.

3.1.3.3. Interpretations

A large magnetic anomaly in the total magnetic field data (Plate 2A) centered at Line 30E and Station 30 is interpreted as a vertically oriented iron-bearing cylinder with its top buried approximately in the upper 3 feet of soil. This anomaly may be the boiler reportedly buried in the area. The geometry of the contours shown on the map and the shapes of the profiles suggest a cylinder with a vertical

orientation. This profile would also match the descriptions of the runoff control tanks reportedly buried there.

Whereas the anomaly on the total magnetic field map shows a single anomaly, the anomaly on the map of the magnetic gradient (Plate 2B) shows two adjacent anomalies. The larger anomaly, centered at Line 30E and Station 30, corresponds to the center of the anomaly of the total magnetic field map. The smaller anomaly to the northwest, centered at Line 10E and Station 45, does not appear on the total magnetic field map. The two anomalies on the gradient map make interpreting the magnetic source of the smaller anomaly somewhat difficult because each anomaly is not isolated, but qualitative interpretations can be made. The amplitude of the smaller anomaly (1,000 nanoTeslas/meter) indicates a magnetic source that is either approximately the same size as the large anomaly but buried deeper, or a smaller magnetic source buried in the shallow (< 5 feet) soils. The source could be: (1) a second boiler or tank with its top buried 8 to 10 feet below the surface, (2) an iron-bearing object attached to the boiler or tank (e.g., large pipe or valve), or (3) another object not associated with or attached to the boiler or tank.

3.1.4. Electromagnetic (EM-31) Survey

3.1.4.1. Equipment and Field Operations

A Geonics, Ltd., EM-31 electromagnetic unit was used in the Miami-Erie Canal geophysical survey to measure apparent electrical conductivity of the shallow subsurface. This instrument consists of: (1) a self-contained transmitter coil that induces an electrical field in the earth, and (2) a self-contained receiver coil that measures changes in the induced current caused by earth materials and compares them to the characteristics of the original induced current. These changes in the induced current are approximately proportional to the terrain conductivity. Both the transmitter and receiver coils are mounted on a boom with a fixed intercoil spacing of 3.66 meters. The instrument's measurement resolution is 0.1 percent of full scale and measurement accuracy is ± 5 percent at 20 millisiemens per meter (mS/m).

The instrument was calibrated at the factory prior to shipping. For field operations at the site, several functional tests were performed before beginning each day's survey as part of the Quality Assurance program. These tests included a check on battery condition, zero adjustment, instrument phase adjustment, and instrument sensitivity. If any of these items required correcting, the necessary adjustments were made before collecting field data.

Data collection at each field station consisted of making measurements in both the horizontal and vertical dipole orientations. The instrument was set to measure both the In-Phase and Quadrature Phase (Out-Of-Phase) components of the induced electromagnetic field in each dipole orientation. The In-Phase component is more sensitive to metallic objects than is the Quadrature Phase, whereas the Quadrature component is more sensitive to terrain conductivity and external sources of electric current. A base station was established at the same location as the magnetometer/gradiometer base station to determine drift. The base station was also used to assess the influence of local lateral variations in conductivity. The field survey was conducted with the transmitter coil at the north end of the boom. At each station, measurements were made by placing the instrument on the ground in the vertical dipole orientation, recording the data, then rotating the instrument 90 degrees along the axis of the boom into the horizontal dipole orientation and recording the data again. The stations and grid pattern used in this survey were identical to those used in the magnetometer/gradiometer survey.

Data measured at each station were recorded automatically using a Polycorder Digital Data Recorder, Geonics Model DL720/31, compatible with the EM-31 unit. The automatic logging of the data obviated the need for manually entering the data on field data sheets. To ensure that the data logger was recording properly, the logger's LCD was checked every tenth station to determine: (1) whether the values of line and station numbers matched the field locations, (2) if the dipole orientations were properly indicated in the data logger, and (3) if the measurements made in the two dipole orientations and phase components were reasonable. At the end of each day's survey, the data from the Polycorder were transferred to a Dell NX20 portable computer to preserve all data on the hard drive. Backup of the data was also made on a floppy diskette.

3.1.4.2. Data Reduction and Analysis

Data reduction and analyses were performed in the office. Data reduction consisted of transferring the EM-31 data from the Polycorder to a Dell NX20 portable computer. An inspection was made of the measurements taken at the base station to determine if the instrument experienced drift. Measurements greater than 5 millisiemens/meter (accuracy of the instrument) were not encountered, therefore drift corrections were not necessary. Data from the Polycorder were converted using the resident internal software of the unit to a format compatible with the Geosoft data processing package.

Visual inspection of the data was made for the purpose of identifying: (1) errors in the data, (2) interference from electric power lines, (3) interference from magnetic storms, and (4) interference from other sources that might produce spurious anomalies. With the exception of three spurious anomalies (see section 3.1.4.3), no such errors were detected. The data were collated and merged into

appropriate files (Appendix D), organized into a grid conforming to the field stations, and plotted as profiles and maps (Plates 5 to 10) using software packages developed and licensed by Geosoft, Incorporated. Individual programs of this software that were used to view, plot, and map the data included MAPPLOT, CONTUR, MAPSET, GRIDHANN, BIGRID, and VIEWGRID. The resulting profiles and maps were used to interpret the electromagnetic (EM-31) survey data.

3.1.4.3. Interpretations

A large anomaly (Plates 5 and 6) is centered near Line 30E and Station 20. The anomaly is interpreted as a large metallic object buried in the near-surface soils. The location of this anomaly is the same as that shown on the total field magnetometer and gradient maps (Plates 2A and 2B). The magnetic gradient data (Plate 2B) shows a second, smaller anomaly that is not indicated on any of the maps of EM-31 data, suggesting that the source of the smaller magnetic anomaly is likely to be deeper than 5 to 8 feet, which is the maximum depth of resolution of the EM-31 unit.

Three anomalies were identified on all four maps of the electromagnetic data. These anomalies are centered along Line 50E and Stations 45, 145, and 270. These three stations are located at or very close to the locations where the electric grounding cables entered the soils from the overhead power lines.

Other small anomalies are shown as isolated, scattered areas on the maps. Because they are not verified by the magnetometer/gradiometer surveys, they are likely caused either by changes in the soil's conductivity or by non-ferrous metallic objects (e.g., aluminum). These anomalies were not interpreted because such interpretations were beyond the scope defined for the work at the Canal, which was to locate the "boiler" reported to be buried in the area.

3.2. GEOPHYSICAL SURVEY IN AREA J

3.2.1. Background

The area to be surveyed in Area J was defined by EG&G during the preliminary site visit. The area covers approximately 90,000 square feet in Area J on the eastern side of the Mound Plant (Figure 3.2) that contains construction debris. The eastern third of the survey area is relatively flat. Toward the west, the survey area slopes at approximately 3:1 (horizontal:vertical) over a horizontal distance of about 150 feet. At the toe of the slope, the survey area again flattens. Major topographic and man-made features at the site are presented on an annotated map (Plate 11).

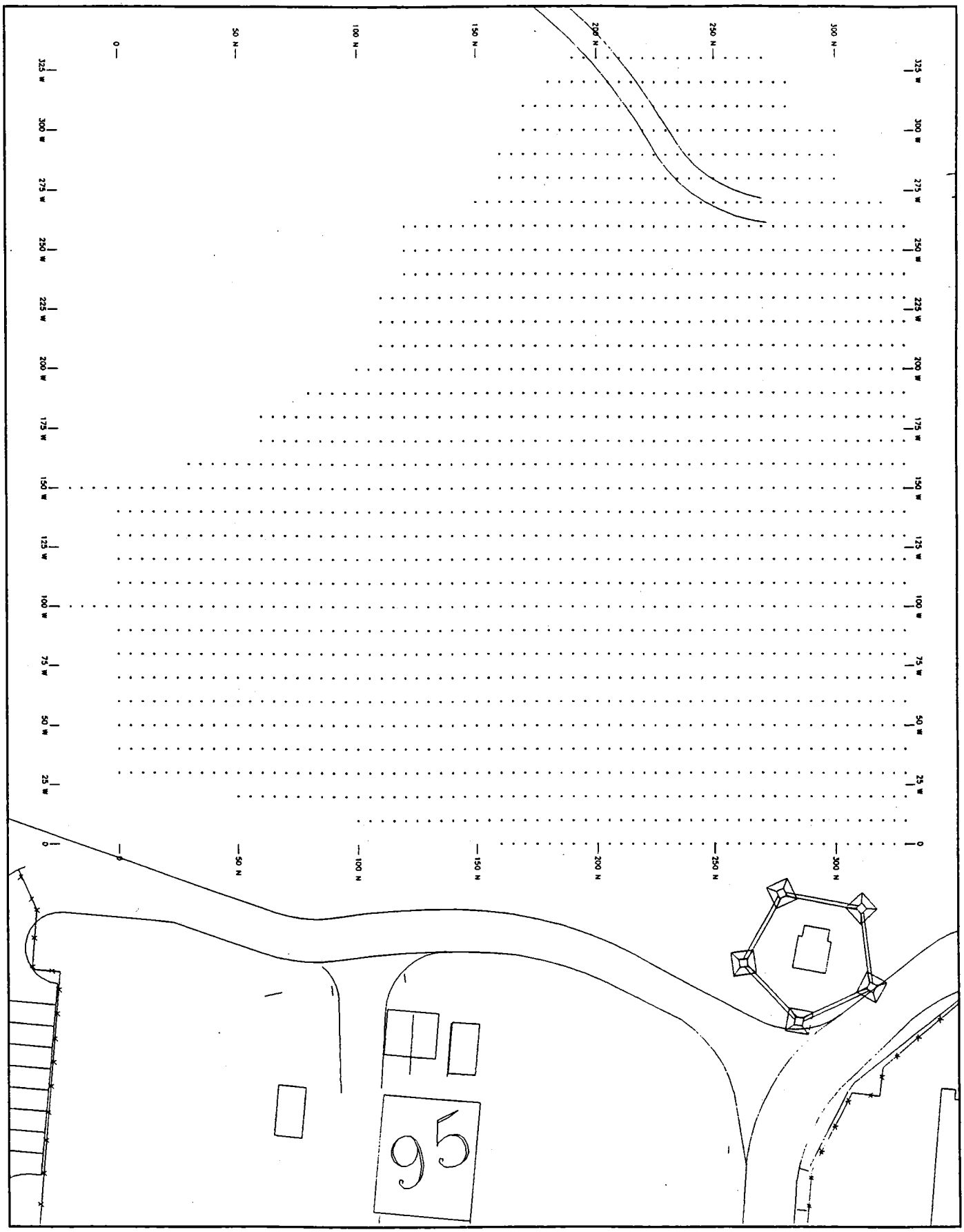

Figure 3.2. Location of Geophysical Survey Grid in Area J

The upper flat area is covered with a variety of grasses. This area contains a buried concrete vault and a small sump covered with a steel grate, apparently used for surface water control and drainage. A steel manhole cover (Plate 11) is also located on this flat area. A 1 to 2 feet high berm, that contains a mixture of soil and construction debris, forms a rim near the western edge of the flat area (Plate 11). This berm is apparently used to control surface water runoff. A gully in the lower half of the steep slope and beyond its toe drains a portion of the construction debris area (Plate 11). At the western (lower) end of the gully is a sump with an open standpipe that extends below ground surface. This standpipe is apparently used to measure the groundwater level. During the time of the geophysical survey, the water level was estimated to be 15 to 20 feet below ground surface; precise measurements were not made. The recognition of the shallow groundwater is significant in that it assists in interpreting certain electromagnetic (EM34-3XL) survey results.

Man-made materials observed on the soil berm and the surface of the flat area include metal, limestone blocks, concrete blocks, concrete pipes, rubber, plastic, ash, and other construction debris. Along the boundary between the flat area and the steep slope is a row of concrete blocks with reinforcing steel bars (Plate 11), apparently placed to minimize headward erosion along the steep slope. The surface of the steep slope contains a wide range of construction debris including concrete blocks, reinforcing steel bars, limestone blocks, asphalt, 55-gallon drums, iron pipes and valves, ash, miscellaneous ferrous and non-ferrous metal, plastic pipes, rubber hoses, and miscellaneous plastic and rubber. As the steep slope was also covered with trees and brush, it was necessary to cut the vegetation along the proposed geophysical traverse lines to provide access for the surveys.

Magnetometer/gradiometer and electromagnetic (both EM-31 and EM34-3XL) surveys were performed in Area J to locate buried objects (e.g., 55-gallon drums, large blocks of concrete, ferrous and non-ferrous metals) that might interfere with drilling shallow holes. The initial site geophysical survey work was conducted between July 6, and August 6, 1992. At the time the magnetometer/gradiometer and EM-31 surveys were performed, several 55-gallon steel drums were located in the western portion of the construction debris area. Since magnetic anomalies produced by these surficial drums could potentially mask any anomalies produced by nearby subsurface sources, the drums were removed and a second magnetic/gradiometer survey was performed. The second magnetometer/gradiometer survey, conducted on October 20, 1992, covered only lines 180 through 310 in the western portion of the initial survey area. This additional survey was successful in determining the presence of buried ferrous materials in the subsurface.

3.2.2. Sources of Potential Errors

Electric power lines exist near the site but are sufficiently far from the survey area to not affect the measurements. The steel manhole cover and steel grate in the upper flat area were noted and anomalies associated with these features were easily identified. Magnetic storms that might interfere with the geomagnetic field (Magnetic A-Index ≥ 20) were not reported by the Space Environment Services Center in Boulder, Colorado, as having occurred during the time of the field work. Magnetic storms of this magnitude occurred on July 5, 20, and 22, 1992 so field surveys were not conducted on those days. No other potential sources of error were identified. The second magnetometer/gradiometer survey in area J was attempted on September 30, 1992. However, interference from a magnetic storm was encountered midway through the survey. Although data was measured and recorded by the mobile magnetometer, values of total magnetic field recorded by the base station exceeded values considered reasonable for the diurnal drift. Upon review, much of the collected data was determined to be unusable. For this reason, the field work was delayed until the magnetic storm subsided and a new survey could be completed.

3.2.3. Magnetometer/Gradiometer Survey

3.2.3.1. Equipment and Field Operations

As in the survey conducted at the Miami-Erie Canal, two GEM GSM-19 proton precession magnetometers were used to measure local changes in the total magnetic field and the magnetic gradient in Area J. One unit was operated as a base station and was located in an area free of known magnetic sources, 80 feet south of Station 0, Line 130W. The other unit was mobile and was used to measure both the total magnetic field and the magnetic gradient at each of the grid stations. The configuration of the mobile unit was to have two proton precession sensors separated by 58 centimeters (1.9 feet) on a 195 centimeter (6.4 feet) aluminum staff; the upper sensor was placed at the top of the staff. The lower sensor measured the total magnetic field and both sensors were used to simultaneously measure the magnetic gradient. The merit in measuring the magnetic gradient is that it is more sensitive and can more readily discriminate iron-bearing objects buried in the shallow subsurface compared to measurements of the total magnetic field magnetometer.

Both the base station and mobile units were synchronized to the regional magnetic field, the time of day, and other aspects of the field operations for the purpose of automatically correcting for diurnal drift. All data were recorded using the built-in data loggers compatible with the instruments. Automatic logging of the data obviated the need to manually record information on field data sheets.

To ensure that the mobile logger was recording properly, the logger's LCD was checked at every tenth station to determine if the location indicated by the logger matched the field line and station number and if the measurement of total magnetic field and gradient were reasonable. The magnetometer at the base station was also checked periodically for proper operation. At the end of each day's survey, the data from both units were transferred to a Dell NX20 portable computer to preserve all data on the hard disk. A backup of the data was also made on a floppy diskette.

The survey area (Plate 12) consisted of 34 traverse lines oriented north-south and spaced 10 feet apart. Lengths of the traverse lines ranged from a maximum of 330 feet near the eastern and central part of the area to approximately 80 feet along the western edge. The stations were spaced 5 feet apart along each of the traverse lines. The magnetometer/gradiometer and EM-31 surveys used 5-foot stations, while the EM34-3XL survey used the same traverse lines, but occupied stations 10-foot apart.

As previously mentioned, a second magnetic/gradiometer survey was conducted after several 55-gallon steel drums were removed from the western portion of the initial survey area. This survey was conducted in the same manner as the initial magnetic/gradiometer survey, but only covered 14 traverse lines (lines 180 through 310). Measurements were recorded at stations spaced 5 feet apart along each of the traverse lines.

The data for the magnetometer/gradiometer surveys (listed in Appendix D) were plotted as profiles along the north-south traverse lines and as maps (Plates 11 to 28).

3.2.3.2. Data Reduction and Analysis

Reduction of all magnetometer/gradiometer data and subsequent computer analyses were performed in the office. Data reduction consisted of combining the measurements taken at the base and grid stations to produce a single set of data corrected for diurnal drift. This correction was accomplished automatically by synchronizing the mobile and base instruments prior to conducting the survey using the internal software of the magnetometer units.

Visual inspections of the data were made to identify errors in the data, interference from magnetic storms, and other sources that might produce spurious anomalies. However, no such errors were identified in the data. After performing the visual inspections and applying the appropriate reductions, the data were collated and merged into respective files (Appendix D), organized into a grid, and plotted as profiles and maps (Plates 13 to 16) using software packages developed and licensed by Geosoft, Incorporated. The software packages utilized for data analyses and plotting were identical to those

used in the magnetometer/gradiometer survey of the Miami-Erie Canal. Profiles and maps were constructed with this software for subsequent interpretation of the magnetometer/gradiometer survey data.

3.2.3.3. Interpretations

Many anomalies are apparent on the maps of the total magnetic field and the magnetic gradient (Plates 13 to 14). Some of the anomalies can be directly associated with objects observed at the surface (e.g., 55-gallon drums, iron-bearing pipes, corrugated pipes, steel plates, reinforcing steel bars, and similar objects). The major anomalies for iron-bearing objects are listed in Table III.1. This table includes the location of the source(s) by line and station number, interpretation of the object (e.g., 55-gallon drum or ferrous metal), approximate depth of burial, and whether the anomaly also appears on maps of the EM-31 and EM34-3XL surveys. The nine anomalies listed at the top of the table are associated with eleven 55-gallon drums observed at the surface. These drums were in place during the magnetometer/gradiometer and EM-31 surveys, but were removed prior to the EM34-3XL survey. Several anomalies are interpreted as possibly being caused by buried 55-gallon drums. The precise locations of some of the sources cannot be determined because of interference from adjacent anomalies. The general locations (± 5-foot radius) of the anomalies are also indicated in Table III.1.

Other large anomalies can be related to objects observed at the surface; e.g., a corrugated steel standpipe (Line 305W, Station 270) and iron pipes (Line 275W, Station 270; Line 240W, Station 245 and 280). The very large anomaly at Line 240W, Station 300 is probably related to a steel pipe buried in the near surface. It is likely that many other iron-bearing metallic objects are buried in the area, but are not evident as separate anomalies because (1) they are below the limits of detectability of the equipment (too small or are buried too deeply); or (2) they are near larger iron-bearing objects and the anomaly produced by the larger object masks that of the smaller object.

The purpose of the second magnetometer/gradiometer survey conducted in the western portion of the construction debris area was to determine if ferrous materials, such as buried 55-gallon drums, are present in the subsurface. Most of the anomalies that appeared on the maps produced from the data collected in the first total field magnetometer and magnetic gradiometer surveys do not appear on the maps produced from the second survey data set. Although small anomalies are present in the new data, they are not interpreted as buried 55-gallon drums. Along traverse line 255 between stations 280 and 285, a small positive anomaly is present on both the new total magnetic field magnetometer and gradiometer maps. This anomaly does indicate some ferrous material at depth, but is probably too small to be produced by a buried 55-gallon drum. At two other locations, small positive gradient

TABLE III.1. MAJOR MAGNETIC ANOMALIES

LINE	STATION	OBJECT	APPROX. DEPTH OF BURIAL (FT)	ANOMALY		
				MAG/GRAD	EM-31	EM-34
210-220	215-220	55-gal drum	Surface (removed)	✓	✓	N/A
220-225	215-220	55-gal drum	Surface (removed)	✓	✓	N/A
240	225-230	55-gal drum	Surface (removed)	✓	✓	N/A
250	220-230	55-gal drum (two)	Surface (removed)	✓	✓	N/A
250-260	295	55-gal drum	Surface (removed)	✓	✓	N/A
250-260	280-285	55-gal drum	Surface (removed)	✓	✓	N/A
260	245	55-gal drum	Surface (removed)	✓	✓	N/A
260	250-255	55-gal drum (two)	Surface (removed)	✓	✓	N/A
280	235-245	55-gal drum	Surface (removed)	✓	✓	N/A
30-60	30-50	55-gal drum (?)	10	✓	✓	--
80-100	150-170	55-gal drum (?)	20	✓	✓	✓
90	40-50	55-gal drum (?)	15	✓	--	--
90-100	160-170	55-gal drum (?)	20	✓	--	--
110	80-90	Fe Metal	<10	✓	✓	--
110	100	55-gal drum (?)	15	✓	--	--
110-120	50	55-gal drum (?)	20	✓	--	✓
110-120	110	Fe Metal	<10	✓	✓	--
110-120	280-300	55-gal drum (?)	20	✓	--	--

TABLE III.1. MAJOR MAGNETIC ANOMALIES (CONTINUED)

LINE	STATION	OBJECT	APPROX. DEPTH OF BURIAL (FT)	ANOMALY		
				MAG/GRAD	EM-31	EM-34
120	160-170	55-gal drum (?)	20	✓	--	--
130	270	Fe Metal	<10	✓	✓	--
130-140	210	Fe Metal	<10	✓	✓	--
130-140	300	Fe Metal	<10	✓	✓	--
140	60-70	Fe Metal	<10	✓	✓	--
140	70-80	Fe Metal	<10	✓	✓	--
140	160	55-gal drum (?)	15	✓	--	--
140	300	Iron Pipe (?)	<10	✓	✓	--
150	60-70	Fe Metal (two)	<10	✓	✓	--
155	210	Fe Metal (two)	<10	✓	✓	--
160-170	110-120	Fe Metal	<10	✓	✓	--
160-170	130-140	Fe Metal	<10	✓	✓	--
170	280-300	Fe Metal (two)	<10	✓	✓	--
180	200-230	Fe Metal	<10	✓	✓	--
190-200	120	Fe Metal	<10	✓	✓	--
210	140-180	Fe Metal	<10	✓	✓	--
210-220	220-230	Fe Metal (two)	<10	✓	✓	--
210-220	260-310	Fe Metal	<10	✓	✓	--

TABLE III.1. MAJOR MAGNETIC ANOMALIES (CONTINUED)

LINE	STATION	OBJECT	APPROX. DEPTH OF BURIAL (FT)	ANOMALY		
				MAG/GRAD	EM-31	EM-34
255	280-285	Fe Metal	<10	✓		--
240	228	Fe Metal	<10	✓		--
210-220	215	Fe Metal	<10	✓		--

N/A (not applicable) -55 gallon drums were in place at the time the magnetometer/gradiometer and EM-31 surveys were conducted, but were removed prior to conducting the EM34-3XL survey.

anomalies are present but do not appear on the total field magnetic map, suggesting that they are produced by shallow small objects. These objects are located at line 240 station 228, and between lines 210 and 220 at station 215. These small anomalies are listed in Table III.1.

3.2.4. Electromagnetic (EM-31) Survey

3.2.4.1. Equipment and Field Operations

A Geonics, Ltd., EM-31 electromagnetic unit was used to measure the apparent electrical conductivity of the shallow subsurface at Area J. During the survey, the instrument was used in both the horizontal and vertical dipole orientations; each orientation measured the Quadrature Phase (Out-Of-Phase) and In-Phase components of the induced electromagnetic field. The In-Phase component is more sensitive to metallic objects than is the Quadrature Phase, whereas the Quadrature Phase component is more sensitive to terrain conductivity and external sources of electric current. A base station was established at the same location as the magnetometer/gradiometer base station to determine daily drift. The base station was also used to assess the influence of local lateral variations in conductivity. The field survey was done with the transmitter coil at the north end of the boom. Data collected at each station consisted of measuring both vertical and horizontal dipoles. The measurements included both Quadrature and In-Phase components. Field measurement were taken at the same stations as the magnetometer/gradiometer survey.

The data measured at each station were recorded automatically using a Polycorder Digital Data Recorder, Geonics Model DL720/31, compatible with the EM-31 unit. The automatic logging of the data obviated the need for manually entering the data on field data sheets. To ensure that the data logger was recording properly, the logger's LCD was checked every tenth station to determine: (1) whether the line and station numbers matched the field locations, (2) if the dipole orientations observed in the logger matched the orientations in the field, and (3) if the measurements made in the two orientations and Phases were reasonable. At the end of each day's survey, the data from the Polycorder were transferred to a Dell NX20 portable computer to preserve all data on the hard drive. Backup of the data was made on a floppy diskette.

3.2.4.2. Data Reduction and Analysis

Data reduction and analyses were performed in the office. Data reduction consisted of transferring the EM-31 data from the Polycorder to a Dell NX20 computer. An inspection was made of the measurements taken at the base station to determine if the instrument experienced excessive drift

during the time of the field survey. Variations greater than 5 millisiemens/meter (the accuracy of the meter) were not observed so correction for drift was not necessary. Data from the Polycorder were converted to a format compatible with the Geosoft data processing package using the resident internal software of the unit.

Visual inspection of the data was made for the purpose of identifying: (1) errors in the data, (2) interference from electric power lines, (3) interference from magnetic storms, and (4) interference from other sources that might produce spurious anomalies. No such errors or interferences were observed. The data were then collated and merged into appropriate files (Appendix D), organized into a grid that matched the field grid, and plotted as profiles and maps (Plates 17 to 24) using software packages developed and licensed by Geosoft, Incorporated. Specific software packages used to organize and analyze the data were identical to those used for the EM-31 data obtained in the Miami-Erie Canal survey. Profiles and maps were constructed to interpret the electromagnetic (EM-31) survey data using this software.

3.2.4.3 Interpretations

Many anomalies are present on the maps (Plates 17 to 20). Some of the anomalies can be directly associated with objects observed at the surface (e.g., 55-gallon drums, metal pipes, reinforcing steel bars, ferrous and non-ferrous metal, large blocks of concrete, and standing or running water). The major EM-31 anomalies are listed in Tables III.1 and III.2. The optimum depth of penetration of the EM-31 unit ranges from about 5 to 8 feet, depending on the instrument's orientation and on the terrain conductivity. Many anomalies shown on the maps of the electromagnetic data correspond to anomalies on the magnetic data maps. Several areas have electromagnetic anomalies where corresponding magnetic anomalies are not present. In each of these cases, inferences can be made about the composition of the object represented by the anomaly. For example, at some locations where only electromagnetic anomalies occur (see Table III.2), interpretations were made that these anomalies are caused by non-ferrous metals (e.g., aluminum, lead, alloys) or by changes in terrain conductivity.

Other objects probably are present in the area but are not evident as separate anomalies, either because they are below the limits of detectability of the equipment, the sources are buried too deeply, or are too small to be detected. Some sources may not be observed because they are masked by other nearby sources that produce larger anomalies.

TABLE III.2. MAJOR ELECTROMAGNETIC ANOMALIES FOR NON-IRON-BEARING OBJECTS

LINE	STATION	OBJECT	APPROX. DEPTH OF BURIAL (FT)	ANOMALY	
				EM-31	EM-34
100	20-30	Non-Fe Metal	<10	✓	--
	270	Non-Fe Metal	<10	✓	--
	320	Non-Fe Metal	<10	✓	✓
120	120	Non-Fe Metal	<10	✓	--
	180-190	Non-Fe Metal	<10	✓	--
	210	Non-Fe Metal	<10	✓	✓
125	100	Non-Fe Metal	<10	✓	✓
130	100	Non-Fe Metal	<10	✓	✓
	150	Non-Fe Metal	<10	✓	--
140	5	Non-Fe Metal	<10	✓	--
	260	Non-Fe Metal	<10	✓	--
	320-330	Non-Fe Metal	<10	✓	--
150	80	Non-Fe Metal	<10	✓	--
	290	Non-Fe Metal	<10	✓	--
	320	Non-Fe Metal	<10	✓	--
160	200	Non-Fe Metal	<10	✓	--
	260-270	Non-Fe Metal	<10	✓	--
	300	Non-Fe Metal	<10	✓	--
170	240-250	Non-Fe Metal	<10	✓	--
	260	Non-Fe Metal	<10	✓	--
180	120	Non-Fe Metal	<10	✓	--
	200	Non-Fe Metal	<10	✓	--
	210	Non-Fe Metal	<10	✓	--
	300	Non-Fe Metal	<10	✓	--

TABLE III.2. MAJOR ELECTROMAGNETIC ANOMALIES
FOR NON-IRON-BEARING OBJECTS (Continued)

LINE	STATION	OBJECT	APPROX. DEPTH OF BURIAL (FT)	ANOMALY	
				EM-31	EM-34
190	90	Non-Fe Metal	<10	✓	--
	110	Non-Fe Metal	<10	✓	--
210	140	Non-Fe Metal	<10	✓	--
	160	Non-Fe Metal	<10	✓	--
	170	Non-Fe Metal	<10	✓	--
	210-270	Non-Fe Metal	<10	✓	--
230	140	Non-Fe Metal	<10	✓	--
	200	Non-Fe Metal	<10	✓	--
	300	Non-Fe Metal	<10	✓	--
240	270-280	Non-Fe Metal	<10	✓	--

3.2.5. Electromagnetic (EM34-3XL) Survey

3.2.5.1. Equipment and Field Operations

The 55-gallon drums that were present at the surface in Area J during the magnetometer/gradiometer and EM-31 surveys were removed prior to conducting the EM34-3XL survey. Their removal allowed deeper measurements to be made without interferences from these shallow sources.

A Geonics, Ltd. EM34-3XL electromagnetic unit was used to measure apparent conductivity at greater depths than that measured by the EM-31. The EM34-3XL instrument has maximum depths of electromagnetic penetration of approximately 20 and 40 feet in the vertical and horizontal dipole orientations, respectively, depending on the terrain conductivity. The instrument is generally not sensitive to isolated shallow (< 5 feet) objects. A transmitter coil induces an electrical current into the earth that is affected by the electrical conductivity of the earth materials. A receiver coil measures the difference between the induced current and the current returned that has been affected after it passes through the earth. The intercoil spacing between the transmitter and the receiver can be adjusted to 10, 20, or 40 meters. This instrument has a measurement accuracy of ± 5 percent at 20 millisiemens per meter (mS/m), and a measurement precision of ± 2 percent of full scale deflection.

The EM34-3XL was used in both the horizontal and vertical dipole orientations to measure the Quadrature Phase component of the induced electromagnetic field. A base station was established at the same location used for the magnetometer/gradiometer and EM-31 surveys to determine daily drift. The survey was conducted with the transmitter coil located at the north end of the cable. For this survey, a 10 meter intercoil spacing was used. The survey occupied stations 10 feet apart along the traverse lines.

The data measured at each station were recorded automatically using a Polycorder Digital Data Recorder, Geonics Model DL 55/34-3 series 516C, compatible with the EM34-3XL unit. The automatic data logger obviated the need to manually enter the data on field data sheets. To ensure that the data logger was recording properly, the logger's LCD was viewed at every tenth station to determine if the line and station numbers shown on the logger matched the field line and station numbers, and to determine if reasonable values were measured in the Quadrature Phase in both the horizontal and vertical dipole orientations. At the end of each day's survey, the data from the Polycorder were transferred to a Dell NX20 portable computer to preserve the data on the hard disk. Backup of the data was also made on a floppy diskette.

3.2.5.2. Data Reduction and Analysis

Data reduction and analyses were performed in the office. This process involved transferring the collected data from the Polycorder to a Dell NX20 computer. An inspection was made of the measurements taken at the base station to determine if drift occurred during the collection of the field measurements. Since drift was not detected, no corresponding corrections were necessary. Data from the Polycorder were converted to a format compatible with the Geosoft data processing package using the resident internal software of the unit.

Visual inspections of the data were made for the purpose of identifying: (1) errors in the data, (2) interference from magnetic storms, and (3) other sources that might produce spurious anomalies. None of these conditions was identified. After performing the data reductions and visual inspection, the data were collated and merged into appropriate files (Appendix D), organized into a grid that matched the field grid, and plotted as profiles and maps (Plates 25 to 28) using software developed and licensed by Geosoft, Incorporated. The software packages were identical to those used in the electromagnetic (EM-31) surveys in Area J and the Miami-Erie Canal. Using this software, profiles and maps were constructed to interpret the electromagnetic (EM34-3XL) survey data.

3.2.5.3. Interpretations

The horizontal and vertical dipole orientations of the EM34-3XL with the 10 meter intercoil spacing have maximum depths of electromagnetic penetration of approximately 20 and 40 feet, respectively. Contour maps of the measurements recorded with these orientations are presented in Plates 25 and 26, respectively. Two areas of anomalies are apparent. One anomaly is between Lines 200W and 300W and Stations 200 and 280. It has maximum values between 40 and 50 mS/m. This anomaly is interpreted as being caused by subsurface water beneath the gully in the steep slope of the construction debris area. The depth of water cannot be quantitatively determined from the available data, but qualitatively, it is estimated to be about 15 or 20 feet below the surface. The second anomaly, between Lines 75W and 150W and Stations 80 to 140, is interpreted either as a single large metal object or a cluster of metal objects buried approximately 20 feet below the surface. The horizontal dipole map (Plate 25) shows a fairly shallow low amplitude dome-shaped anomaly with positive values. This suggests a metallic source near the limit of detectability of the instrument in this orientation. The vertical dipole map (Plate 26) shows a negative peak value of -16 mS/m near Line 130W, Station 115. The relatively large negative value suggests a metallic source. Quantitative analysis of the depth of the source cannot be determined from the available data; qualitatively, the source is likely to be buried between 20 and 30 feet below the surface. Neither the magnetometer

nor the gradiometer maps show the second (deeper) anomaly, either because the source is too deep and its effects are below the limits of detectability of the instruments, or because the source is a non-ferrous metal.

3.3. CONCLUSIONS AND RECOMMENDATIONS

The geophysical data from the magnetometer/gradiometer and the electromagnetic surveys of the Miami-Erie Canal are interpreted as showing at least one anomaly that is likely to be a vertically oriented iron-bearing cylinder buried within the survey area at or near Line 30E and Station 30. Such an anomaly could be caused by a boiler or tank with its top buried within 3 feet of the ground surface. A second iron-bearing object is located at or near Line 10E and Station 45 that may be either a second boiler/tank buried at a depth of about 10 feet, an object attached to the first boiler/tank, or some other iron-bearing object not associated with the boiler/tank. If the anomaly is the suspected buried boiler or tank and if the boiler/tank is to be removed, care should be exercised when digging in the general area of these anomalies. Once the source of the anomaly is uncovered and identified, a decision regarding removal or non-removal could be made.

The geophysical data and field observations in Area J indicate that the area contains a wide range of construction debris, including 55-gallon drums, concrete blocks, ferrous and non-ferrous metal, asphalt, plastic, rubber, ash, and limestone blocks. More than 70 large individual magnetic anomalies have been identified and additional sources of anomalies are likely to exist. The surface of the steep slope to the west is covered with construction debris. Although the upper flat area in the eastern third of the area may be relatively free of construction debris at the surface, such appearance is probably deceptive. Metal and other construction debris were seen in this area and the large anomaly, as well as other smaller anomalies in this area, suggests buried debris. Based on the surveys, it is probable that the entire site contains construction debris, even though the objects did not produce major anomalies. SAIC recommends that any drilling is to be done with extreme care and with the knowledge that the bit may strike construction debris. If possible, boreholes should be located away from sources of obvious geophysical anomalies as shown on the geophysical maps, as well as any observed surface construction debris.

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APPENDIX A

PLATE A, RECONNAISSANCE SOIL VAPOR SURVEY LOCATION MAP

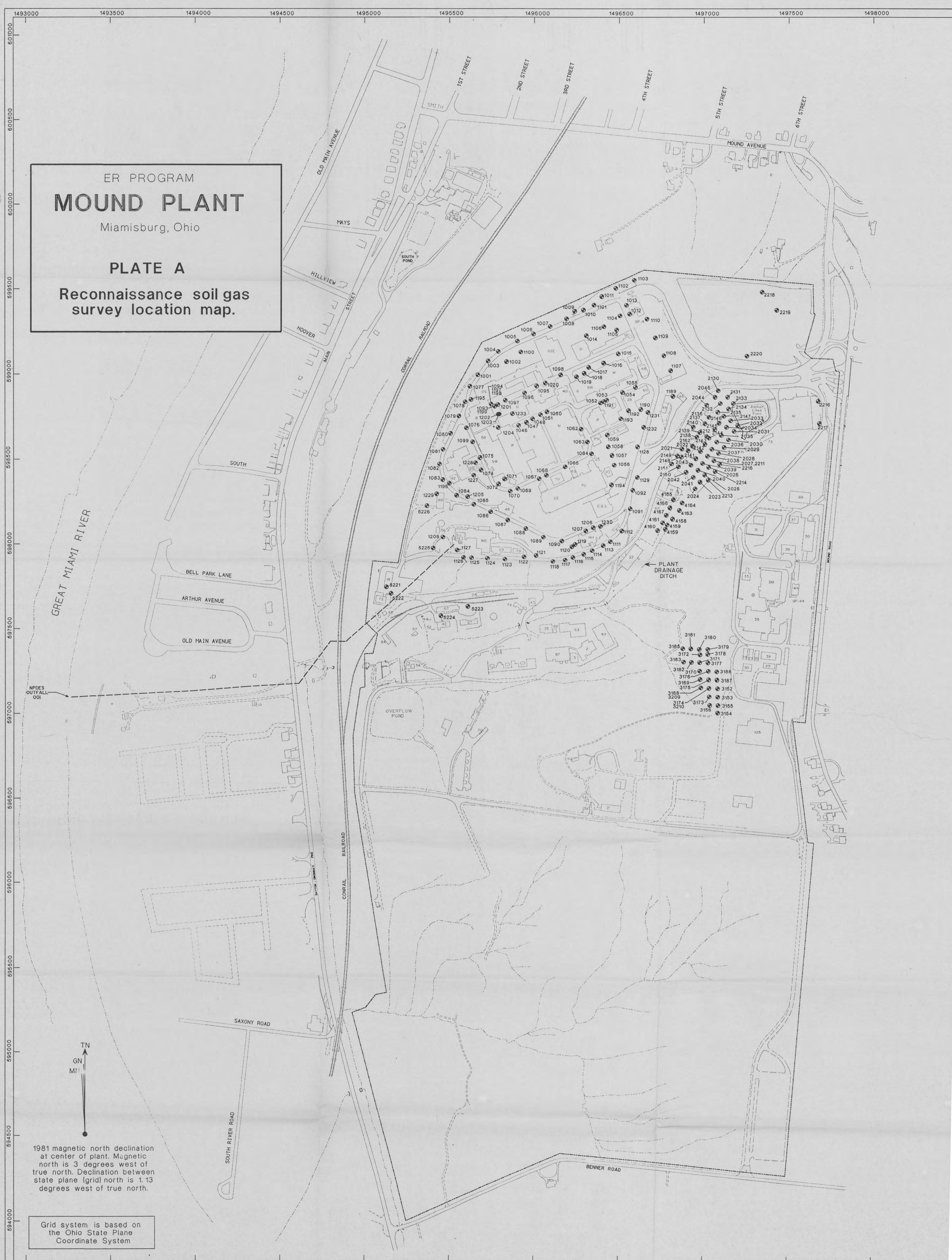
ER PROGRAM

MOUND PLANT

Miamisburg, Ohio

PLATE A

Reconnaissance soil gas survey location map.



1981 magnetic north declination at center of plant. Magnetic north is 3 degrees west of true north. Declination between state plane (grid) north is 1.13 degrees west of true north.

Grid system is based on the Ohio State Plane Coordinate System

Legend

- Structure
- Paved Roadway
- Unpaved Roadway
- Railroad
- Water
- Mound Plant Boundary
- 1100 Sample location

NOTES:

1. The electronic base map data file was obtained by WESTON from Woolpert Consultants, Inc., Dayton, Ohio. The data were photogrammetrically complied from aerial photography dated 12/08/85.

2. WESTON converted MOUND plant coordinates to Ohio State Plane Coordinates using an algorithm provided by Oak Ridge National Laboratory, Grand Junction Project Office.

3. Area west of Dayton-Cincinnati Pike was digitized from a hand drafted map, dated 3/12/86 from Monstanto Research Corp.

0 100 200 400 600 800 100

Scale in Feet

WESTON
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Phone: (505) 884-5050

J:\DGN\MOUNDB\M0748.DGN 110992

APPENDIX B

DESCRIPTION OF SOIL GAS SAMPLING AND ANALYSIS

VOLATILE ORGANIC SAMPLING AND ANALYSES IN SOIL GAS, SOILS, WATER, AND ATMOSPHERE BY MODIFIED EPA 8021 HYDRO GEO CHEM, INC.

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VOLATILE ORGANIC SAMPLING AND ANALYSES IN SOIL GAS, SOILS, WATER, AND ATMOSPHERE BY MODIFIED EPA 8021
HYDRO GEO CHEM, INC.

INTRODUCTION

On site analysis of volatile organic compounds (VOC) is increasingly important to environmental assessments. The ability to perform real-time chemical analysis during investigations of potentially contaminated soils, water, and air allows field decisions to be made regarding the depth and areal extent of the investigation.

The applications of on-site VOC analysis include: soil analysis for evaluation of subsurface spills and leaking tanks; atmospheric analysis for evaluation of VOC emissions from landfills, contaminated soils, and industrial facilities; water analysis for identification and definition of the vertical and areal extent of groundwater VOC plumes; and soil gas surveys in which VOC's in the soil atmosphere are sampled and analysed in order to determine the vertical and areal distribution of VOC's in site soils.

Because VOC's are readily transported in soils by diffusive and advective processes, soil gas surveys have proved to be a powerful technique for determining whether spills have taken place on the site, for locating these spills, and, if subsurface conditions are favorable, for finding and delineating groundwater VOC plumes by the presence of VOC's in overlying soils.

The analytical requirements for real-time mobile-laboratory analysis are different than the conventional VOC analyses prescribed by EPA protocols. The laboratory productivity, that is, the number of analyses required per unit time, must be much greater for the mobile facility. Otherwise, the value of using the data to modify the investigation is diminished.

Despite the need for greater productivity, the other analytical requirements for detection limits, variety of analytes, and freedom from laboratory contamination are, if anything, more stringent than those of fixed laboratory facilities.

The following sampling and analytical protocols have been adopted by Hydro Geo Chem to meet these stringent requirements of on-site VOC analysis.

Summary of Method

In summary, the analytical method consists of the recently approved EPA 8021 protocol, modified to allow greater throughput and to minimize the potential for laboratory contamination. These modifications include temperature programming and flow changes to reduce analytical time, the use of gas rather than water-solution standards, purging of VOA bottles (40 or 250 ml bottles sealed with a teflon septum) directly rather than using a conventional water purging apparatus (a technique recently independently developed and used in EPA Region 5 RI/FS studies), methanol solvent extraction of soils and subsequent stripping of a methanol-water solution; and splitting of the sample injection stream to allow simultaneous analysis on a separate column and detector of other compounds not analyzed by the 8021 protocol. Table 1 lists the compounds that can be analyzed using EPA 8021 protocol.

Table 1. Compounds EPA Method 8021 (Hall/PID Analysis)

Benzene
Bromobenzene
Bromochloromethane
Bromodichloromethane
Bromoform
Bromomethane
n-Butylbenzene
sec-Butylbenzene
tert-Butylbenzene
Carbon tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
2-Chlorotoluene
4-Chlorotoluene
Dibromochloromethane
1,2-Dibromo-3-chloropropane
1,2-Dibromoethane
Dibromomethane
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
Dichlorodifluoromethane
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dichloroethene
1,2-*cis*-Dichloroethene
1,2-*trans*-Dichloroethene
1,2-Dichloropropane
1,3-Dichloropropane
2,2-Dichloropropane
1,1-Dichloropropane
Ethylbenzene
Hexachlorobutadiene
Isopropylbenzene
p-Isopropyltoluene
Methylene chloride
Naphthalene
n-Propylbenzene
Styrene
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethene
Toluene
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,3,5-Trichlorobenzene
1,1,2-Trichloroethane
1,1,1-Trichloroethane
Trichlorofluoromethane
1,2,3-Trichloropropane
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
Vinyl chloride
o-Xylene
m-Xylene
p-Xylene
Trichloroethene

The sampling methods included in the protocol have been designed to allow accurate, contamination-free sampling of soils, water, atmosphere, and soil gas. These methods offer a detection limit of at least 0.1 μg/kg (soil), 0.01 μg/l (soil gas or water), and 0.001 μg/l (atmosphere) for any compounds listed in Table 1. Additional, simultaneous analysis is provided for total petroleum hydrocarbons, methane, and total chlorinated hydrocarbons. The following sections document the materials, apparatus, and procedures used.

1. SAMPLING

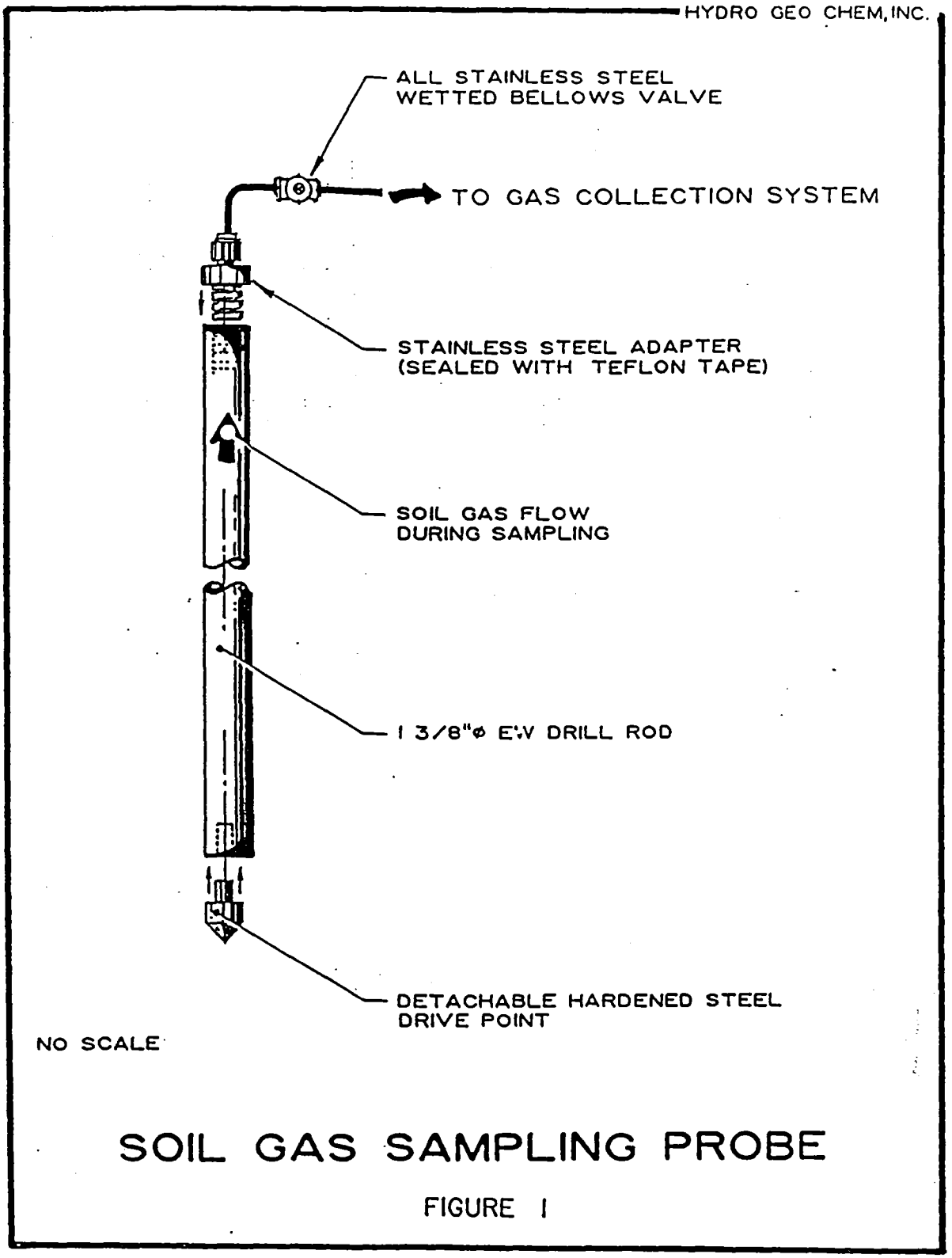
1.1 Scope and Application

This section covers the materials, equipment and procedures utilized by Hydro Geo Chem, Inc. for collecting soil gas, atmospheric, soil, and shallow groundwater samples in the field.

1.2 Sampling Equipment

1.2.1 Sampling Probes and Drive Point Rigs

Sampling probes consist of 5 foot sections of nickel plated $1^3/_8$" hardened EW drill rod with Acme threads. The high carbon steel points are left behind when the pipe is hydraulically pulled back to expose the formation to pumping. Figure 1 shows our probe design. The probes are driven to the sampling depth using a heavy duty hydraulic hammer mounted on Ford F-450 trucks. These rigs are capable of driving sampling pipe to a depth in excess of 50 feet under normal driving conditions. The drive point rigs are equipped with hydraulic outriggers, pipe racks and a steam cleaner. The probes are removed by the drive point rig using a hydraulically activated pulling dog. Latex gloves are worn during handling and assembling of the sampling apparatus.



SOIL GAS SAMPLING PROBE

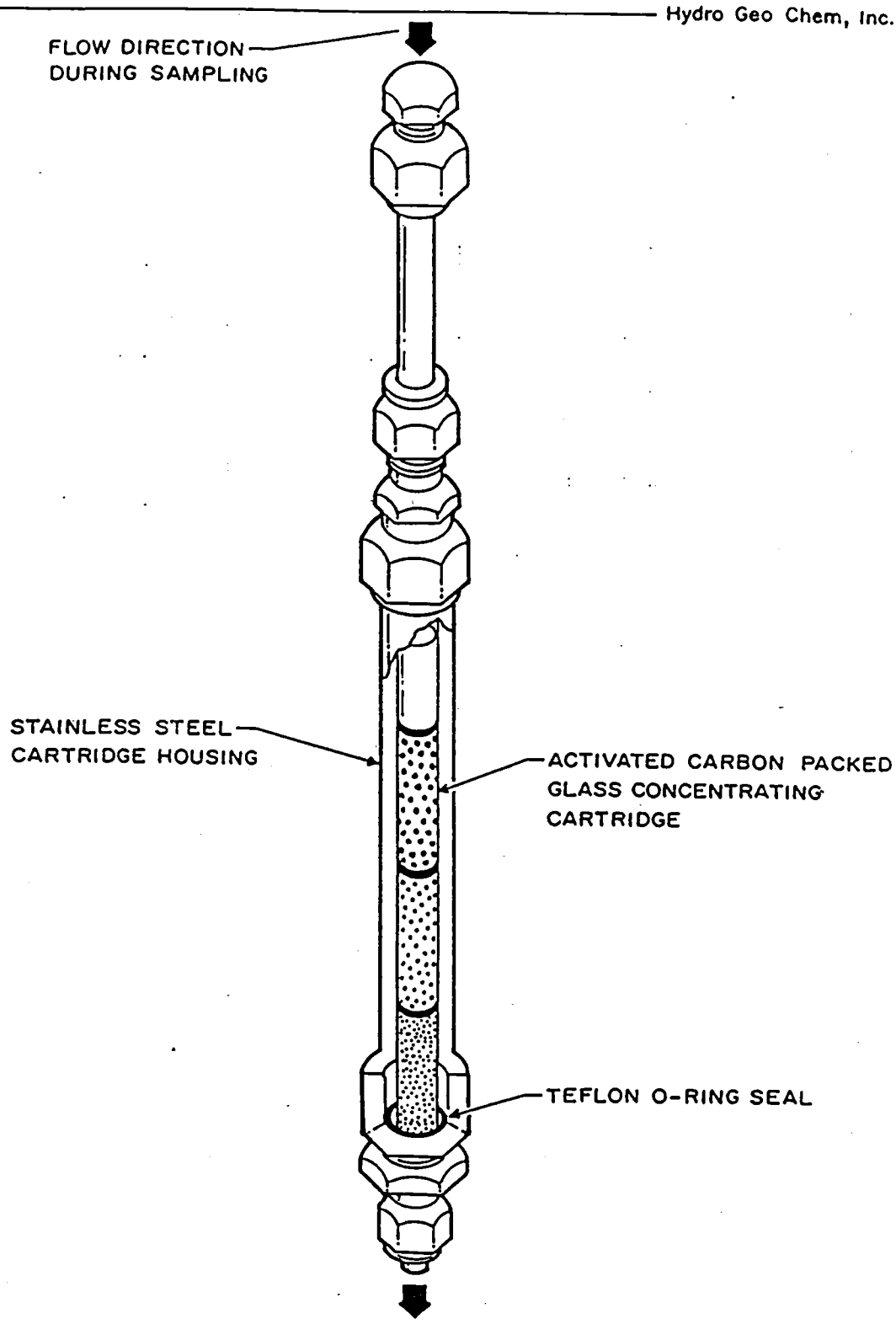
FIGURE 1

1.2.2 Sampling Adaptors

Soil gas samples are collected from the probes via adaptors constructed of stainless steel pipe caps welded to stainless steel tubing connected to an inline stainless steel bellows valve.

1.2.3 Soil Gas Cartridges

Atmospheric or soil gas samples are collected in stainless steel cartridges housing a glass tube (Supelco) filled with a three layer packing of various types of adsorptive hydrophobic carbon (see Figure 2). The soil gas is passed through these layers, the first, Carbotrap, absorbing "heavy" volatiles such as dichlorobenzene, the second, Carbopack B, the lighter volatiles such as TCE and DCE, and the third, Carbosieve III, the ultralights such methylene chloride or vinyl chloride. The most mobile constituent, vinyl chloride, has a breakthrough volume of 158 liters (vinyl chloride detected at the tube outlet after 158 liters of 25 ppb vinyl chloride are passed through the cartridge). These cartridges are therefore rated to absorb at least 158 liters of soil gas or atmospheric gas before breakthrough of any of the priority pollutants listed in EPA method 8021. Table 2 shows some breakthrough volumes for the types of carbon sorbents making up the adsorption cartridge. Thus the sampling capacity of this technique far exceeds that of syringe collection. The high capacity is necessary to meet the wide range of specified detection limits encountered in site investigations.



SOIL GAS SAMPLE HOUSING

Figure 2

Table 2

Breakthrough Volumes (in Liters) for Selected Hydrocarbons on the Carbosieve™ S-III/Carbopack B/Carbotrap C Thermal Desorption Tube

Hydrocarbon	Carbosieve S-III (125 mg)	Carbopack B (200 mg)	Carbotrap C (300 mg)
Vinyl Chloride	158		
Chloroform		1.1	
1,2-Dichloroethane		0.4	
1,1,1-Trichloroethane		2.7	
Carbon tetrachloride		4.7	
1,2-Dichloropropane		6.8	
Trichloroethylene		2.5	
Bromoform		1.7	
Tetrachloroethylene		2.2	
Chlorobenzene		316	
n-Heptane		262	
1-Heptene		284	
Benzene		2.3	
Toluene		130	
Ethylbenzene		4060	12.9
p-Xylene			11.2
m-xylene			11.0
o-xylene			11.0
Cumene			27.8

1.2.4 Groundwater Samples

Groundwater is sampled through the $1^3/_8$ inch EW drill rod using $^3/_8$" stainless steel bailers.

1.2.5 Soil Samplers

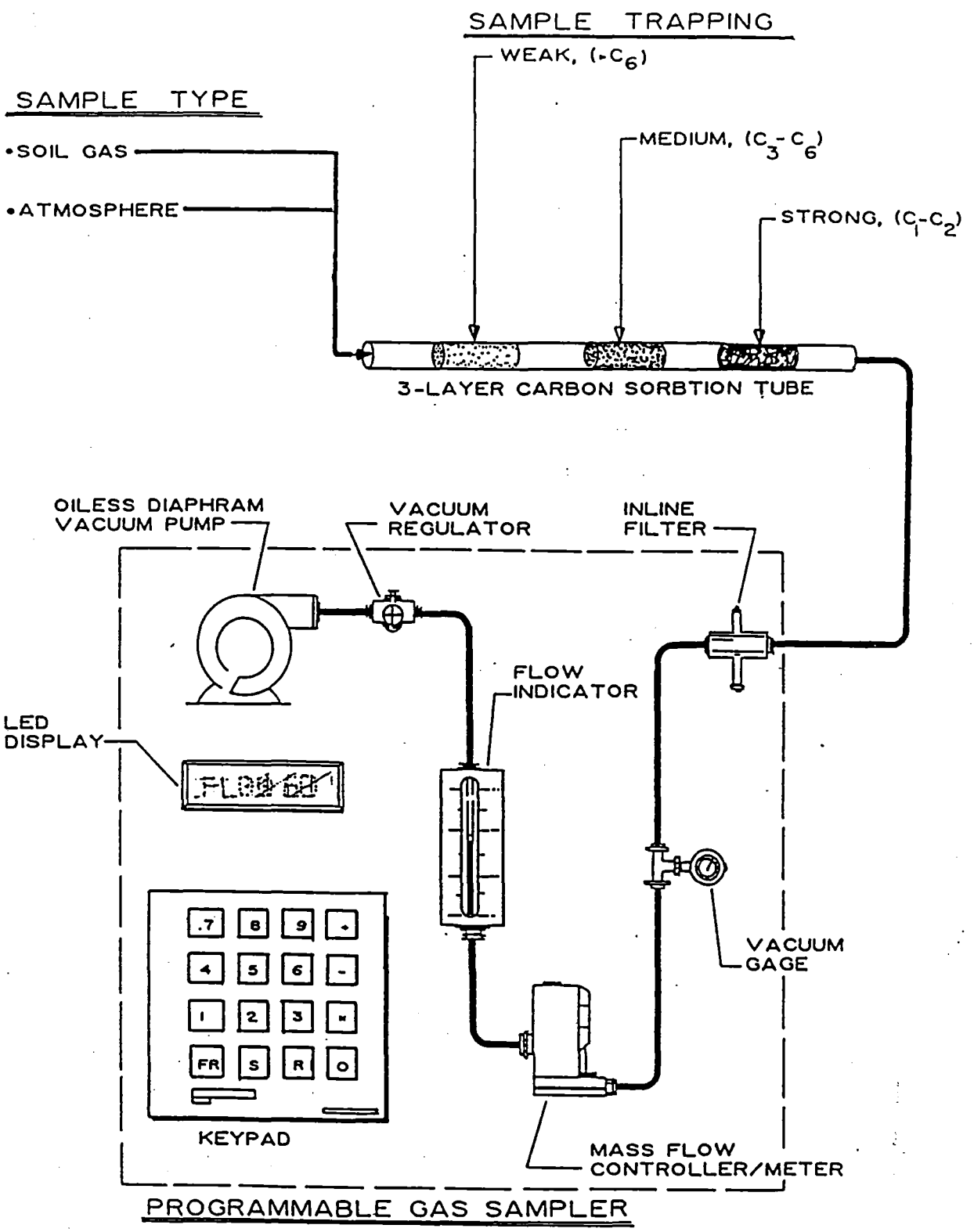
Soil is sampled at specified intervals using a 1 inch diameter by 12 inch length ring-barrel sampler containing multiple stainless steel sleeves.

1.3 Sample Collection

1.3.1 Soil Gas Sampling

After purging 3 probe volumes from the sampling train, the bellows valve on the adaptor is shut off and the stainless steel sample cartridge housing is attached in line using Swagelok compression fittings. The cartridge inlet leads to the adaptor and the outlet to a programmable mass flow controller equipped with a vacuum regulated oilless diaphragm vacuum pump (see Figure 3). The flow controller is typically programmed to pump 200 ml of soil gas at a flow rate of 100 ml/min. When the specified flow volume has been obtained, a

fig 3



SOIL GAS SAMPLE COLLECTION

Figure 3

solenoid valve is automatically closed and the sample collection is complete. The mass flow meter delivers sample volumes between 20 and 5000 standard ml with less than 2% error independent of temperature and vacuum conditions.

1.3.2 Atmospheric Sampling

Atmospheric samples are collected by positioning the probe in the area of interest, and programming the mass flow controller to the appropriate pumping rate and total sample volume. If desired, the probe can be moved through a sampling volume at a specified rate to collect an integrated sample. No purging is necessary for atmospheric samples.

1.3.3 Soil Sampling

Soil samples are collected using 1" ring samplers equipped with three 4" stainless steel sleeves. The $1^3/_8$" sampling probe is first equipped at its end with a retrievable point and emplaced to depth. The sampling probe is then fully extracted and the retrievable point is replaced with the 1" ring sampler. The sampling probe is then run back into the original hole and the sampler is driven 12" beyond the hole bottom. The sampling probe is extracted again and the 1.0" ring sampler detached. No liquids (i.e., drilling mud, water, foam) are used

during the probe placement or sampling procedure. All soil samples to be analyzed or sent out for analysis are retained in the stainless steel tubes (1.0 inch diameter, 4 inches long). Immediately following removal of the stainless steel sleeves from the sampler, the center tube is capped with aluminum foil and plastic slip caps. The slip caps are then duct taped to the stainless steel sleeves to maintain a proper seal. Samples are labeled and placed in a zip lock plastic bag and stored in a cooler.

1.3.4 Water Sampling

Groundwater samples are collected using $^3/_8$" stainless steel bailers. The bailers are lowered down the inside of the probe using a nylon cord that is replaced before each sampling. The water sample is carefully poured in 40 ml VOA vials in a manner not to allow air bubbles to pass through the water sample. The liquid full vials are then immediately capped with a teflon-lined septum cap and delivered to the mobile lab for analysis.

1.4 Decontamination of Equipment

1.4.1 Prior to each use and reuse, each soil sampler, stainless steel sleeve, sampling probe, point and bailer are steam cleaned and stored in clean storage areas on the drive point rigs. Care is taken with this equipment to eliminate both soil-surface and cross-hole contamination.

Vinyl or latex surgical gloves are worn during handling and assembly of the sampling apparatus.

1.4.2 Adaptors, stainless steel bottles, and stainless steel cartridge holders are heated to 120°C using a convection oven and held for 1 hour at that temperature. Carbon packed desorption cartridges are purged at 400°C with helium for 8 minutes.

1.4.3 Separate storage areas are provided for used and cleaned equipment. No equipment is reused without cleaning.

2. ANALYSIS

2.1 Scope

This section covers the equipment, materials, and procedures used to determine the concentrations of various volatile organic compounds in the soil gas, atmospheric, soil, and shallow groundwater samples.

2.2 Detection Limits

Method detection limits (MDL's) are matrix dependent. The MDL for soil gas samples is 0.01 µg/l, 0.01 µg/l for water and 0.1 µg/kg for soils. The MDL for atmospheric samples is 0.001 µg/L. The applicable concentration range of this method is influenced by sample size and instrument limitations.

2.3 Apparatus and Equipment

2.3.1 Gas Chromatographs

Hydro Geo Chem's mobile laboratories, used to provide on-site analyses, are housed in 18 foot custom built non-motorized trailers. The mobile laboratories are stand-alone vehicles that operate separately from the drive point rig, thereby allowing efficient operation of both. Each mobile lab has a Varian 3400 temperature programmable gas chromatograph (GC) equipped with cryogenics capable of cooling the column to below 0°C using carbon dioxide. The chromatograph is connected to an Envirochem thermal desorber (Model 850) which accepts the glass sorption tubes used to collect the soil gas, atmospheric,

or the purged water or soil samples. Figure 4 is a schematic of the analytical apparatus. Helium flow is opposite to the flow direction of sample collection. The thermal desorber rapidly heats the sample sorption tube to 380 ± 4°C in 26 ± 2 seconds releasing the volatile organic compounds from the activated carbon. The released compounds are transferred from the desorber unit to the analytical columns via heated (250°C) nickel lines. The compounds are held in the cooled columns (cryofocused) at the start of the chromatographic run.

The carrier gas is ultra high purity helium at 10-20 ml/minute. The carrier gas flow is augmented with an additional 25 ml/minute helium before entering the photoionization detector (PID) to optimize response of both PID and Hall electrolytic conductivity (Hall) detectors.

2.3.2 GC Columns

A DB 624 Megabore column, 30 m x 0.53 mm (J&W Scientific) is used in the Varian 3400 chromatograph. The helium flow rate is adjusted to approximately 7.0 ml/minute. The temperature program varies with the client needs. A typical temperature program is as follows: the column temperature is held at 2°C for 3 minutes, then

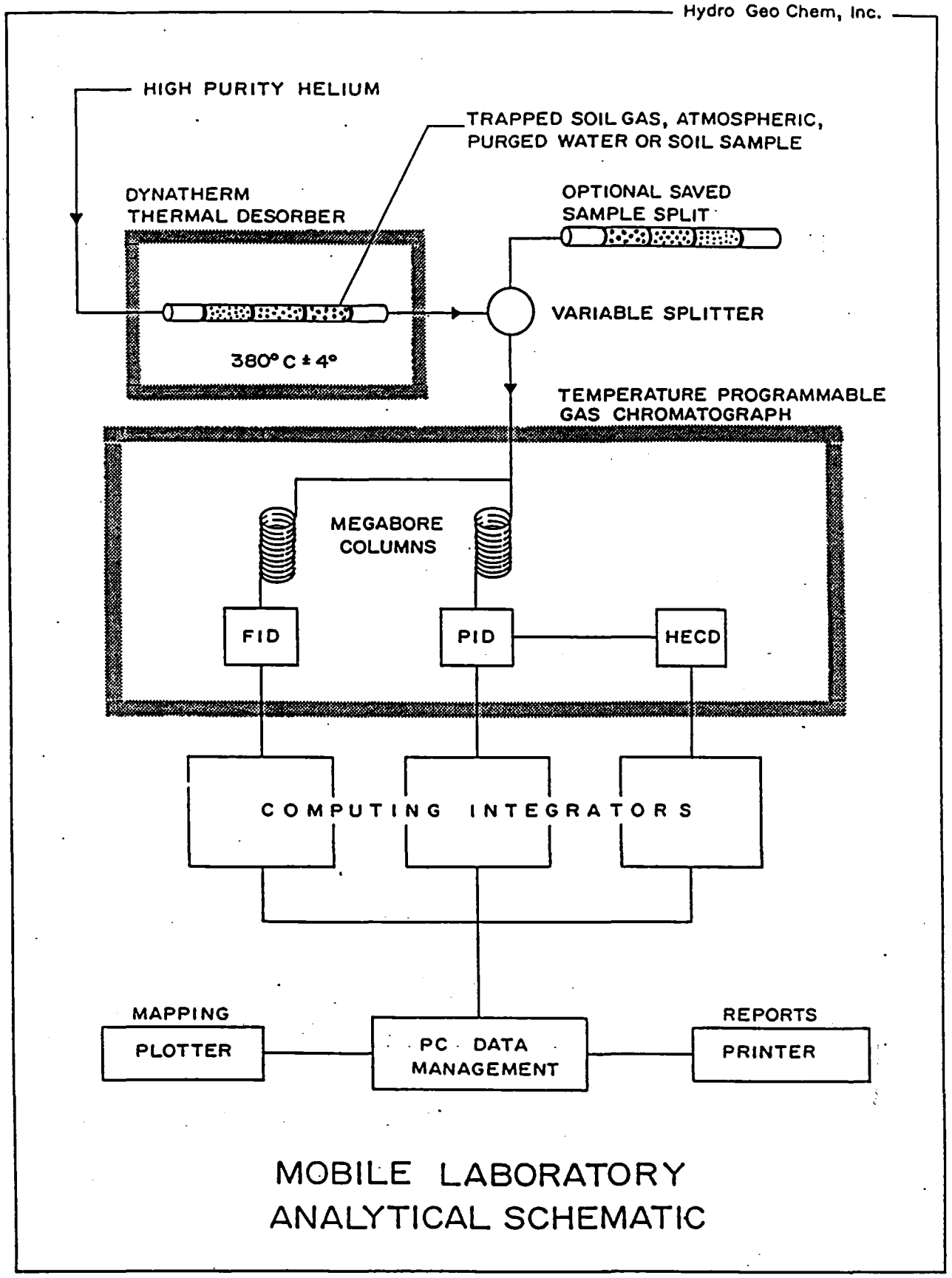

Hydro Geo Chem, Inc.
HIGH PURITY HELIUM
TRAPPED SOIL GAS, ATMOSPHERIC, PURGED WATER OR SOIL SAMPLE
DYNATHERM THERMAL DESORBER
OPTIONAL SAVED SAMPLE SPLIT
VARIABLE SPLITTER
380° C ± 4°
TEMPERATURE PROGRAMMABLE GAS CHROMATOGRAPH
MEGABORE COLUMNS
FID
PID
HECD
COMPUTING INTEGRATORS
MAPPING
PLOTTER
PC DATA MANAGEMENT
REPORTS
PRINTER
MOBILE LABORATORY ANALYTICAL SCHEMATIC

Figure 4

programmed to 35°C at 15 C°/minute, no hold time, to 145°C at 8 C°/minute, no hold, to 230°C at 35 C°/minute.

Additional columns are available for the analysis of pesticides and classes of hydrocarbons other than aromatic and halogenated. Columns available include DB-WAX, 30m x 0.53mm, DB-5, 30m x 0.53mm, and DB 608, 15m x .53mm. All columns are obtained from J&W Scientific.

The GC is also equipped with a 1/8" x 18" Carbosphere column, 60/80 mesh, used to analyze for nonsorbable gases, such as methane, by direct injection. This column is operated at ambient temperatures.

2.3.3 Detectors

2.3.3.1 A photoionization detector (PID) equipped with a 10.2ev lamp (Tracor Model 703) is used.

2.3.3.2 A Hall electrolytic conductivity detector (HECD) (Tracor Model 700A) is also used. Operation conditions are as follows:

Reaction tube:	Nickel 1/16" OD
Reactor temperature:	900°C
Reactor base temperature:	250°C

Electrolyte:	n-propyl alcohol
Electrolyte flow rate:	0.7 ml/min
Reaction gas:	hydrogen at 35 ml/min.
Carrier gas plus make up:	helium at 32 ml/min.

2.3.3.3 Hydro Geo Chem also has available an Electron Capture Detector, ECD (Varian).

2.3.3.4 A Flame Ionization Detector, FID (Varian), is also provided for total hydrocarbon analyses.

2.3.4 Integrators

The mobile laboratories are equipped with Spectra Physics dual channel integrators (Model 4400) and Varian integrating printer/plotters.

2.3.5 Purge and Trap Apparatus

An in-house designed and built purging apparatus (Figure 5) is used in the analysis of soil and water samples. High purity, inert (He

PURGE APPARATUS
FOR SHALLOW WATER SAMPLES

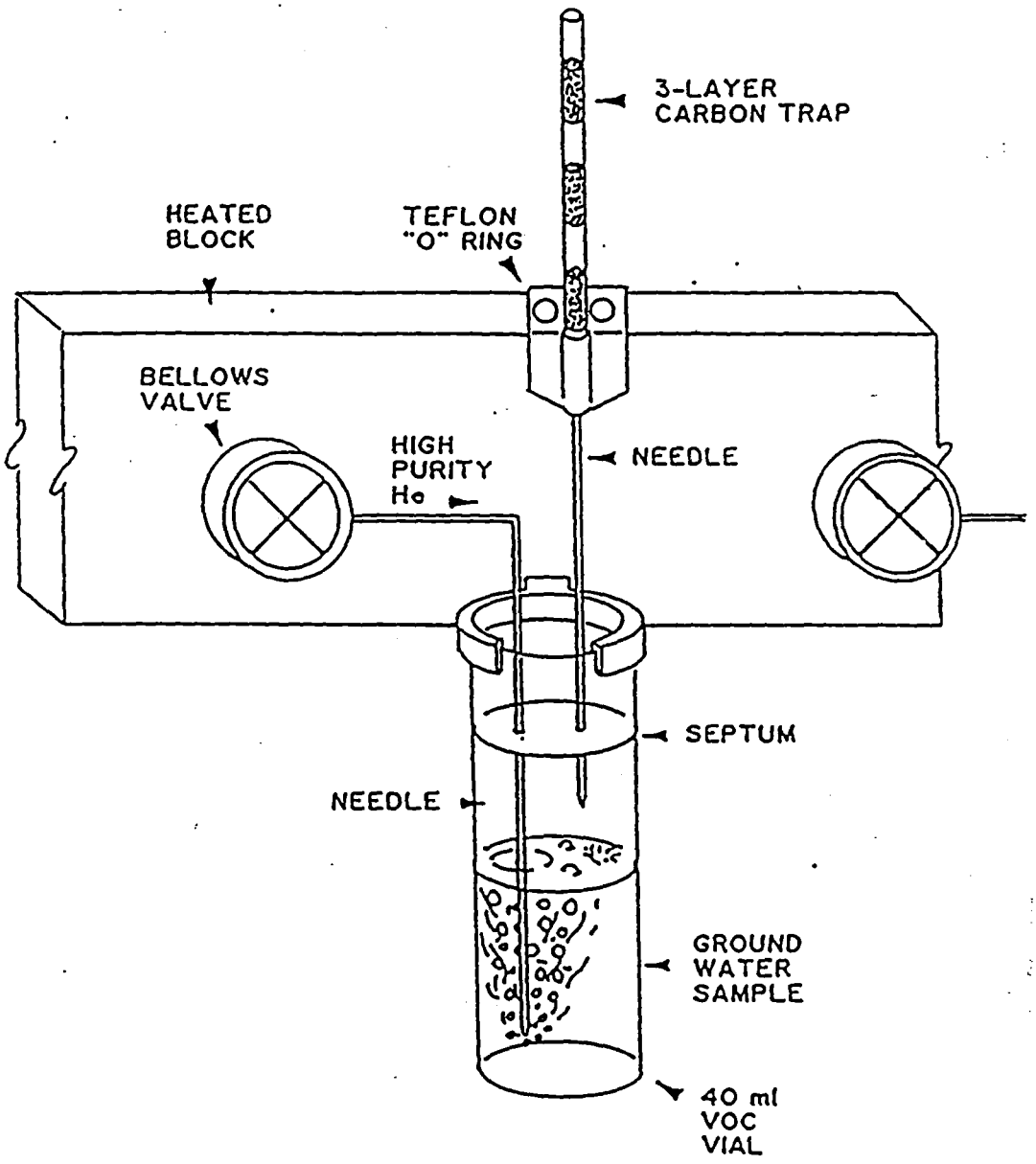


Figure 5

or N_2) gas is bubbled through the sample at 200 ml/min for 15 minutes. In addition, a temperature programmable Dynatherm Thermal Dynamic Stripper is also used for purging both soil and water samples. Purged sample components are trapped in activated carbon cartridges.

2.3.6 Standards and Reagents

2.3.6.1 Standards are obtained from certified gas mixtures or prepared from stock mixtures of neat reagent grade compounds. Stock mixtures are prepared by adding a measured aliquot of each compound to be analyzed to a preweighed septum sealed vial. The actual mass of each compound added is determined by weighing the vial. An aliquot volume of the final mixture is then weighed to establish density (weight/volume). Weighing is done on a 0.1 mg Mettler balance calibrated according to manufacturers guidelines with weights traceable to NBS standards. Certified mixtures include vinyl chloride in nitrogen, and methane in nitrogen purchased from Matheson Gas Products, Cucamonga, California.

2.3.6.2 A spiking solution containing two compounds to be used as internal standards are prepared as described in Section 2.3.6.1. The internal standards are selected such that they do not interfere with the compounds of interest. Typical compounds used as internal standards are fluorobenzene, 2-bromo-1-chloropropane, bromochloromethane, 1-

chloro-2-bromobutane, and 4-bromo-fluorobenzene. The internal standard is added to the calibration standards or samples and carried through the analytical procedure. The amount of internal standard is selected such that its concentration is 3 to 5 times greater than the expected range of concentrations found in the actual samples.

2.3.6.3. VOC-free water used in purging soil samples is prepared from distilled water degassed by boiling >1 hour.

2.3.6.4 Purge and Trap or HPLC grade methanol is used when analyzing soil samples.

2.4 Calibration

2.4.1. Calibration

2.4.1.1 For daily soil gas calibration standards, a measured volume of the standard mixture is injected into a nitrogen-filled 1-liter glass, gas bottle through a septum side port. After heating the bottle to achieve volatilization and mixing of the standards, measured volumes are extracted with a gas syringe and injected into a 200 ml/min helium gas stream leading to a carbon packed sorption cartridge. Internal standards, if utilized, will also be injected at this time. After 2 minutes,

this cartridge is inserted into the thermal desorber and analyzed exactly as the samples.

2.4.1.2 Standards used for soil and water analysis are prepared by injecting an aliquot of the stock mixture into methanol. An aliquot of the methanol solution will be injected into a 10.0 ml volume of water and purged in the same manner as soil or water samples. The aliquot of stock standard and methanol solution will depend on concentrations anticipated in the samples.

The amount of the standard stock solution used are dependent upon the required mass of analyte.

The standard will be injected at least three times at the beginning of the day to verify the instrument response. If the response varies by greater than ±20% appropriate measures will be taken to correct the circumstances causing the variability. Continuing calibration checks are performed after every tenth sample.

2.4.1.3 standard Spectra Physics calculates response factors when the external method is used as follows.

$$RF = A/C$$

where A = area of analyte to be measured

C = concentration of analyte, μg/l

Varian 3400 calculation of RF

$$RF = C/A \times 10000$$

2.4.1.4 The Spectra Physics calculates response factors when internal standards are used as follows.

$$RF_S = \frac{C_S}{A_S} x \frac{A_{IS}}{C_{IS}}$$

where RF_S = response factor of components

A_S = area of components peak

C_S = amount of component used in the calibration sample, μg

A_{IS} = Area of the internal standard peak

C_{IS} = amount of internal standard used in the calibration sample, μg

2.4.1.5 Acceptable retention time window is ±0.10 minutes from the average retention time derived from the daily calibration analyses.

2.5 Quality Control

2.5.1 System Bank

A randomly selected sampling cartridge is analyzed daily to detail interferences from cartridges or the analytical system. If interference is found at unacceptable levels, an unpacked cartridge is analyzed to determine whether the interference is due to the cartridge or to the analytical system. Appropriate measures are taken to eliminate such interferences.

2.5.2 Reagent Blanks

At the beginning of each day that soil or water samples will be analyzed, the chemist fills a sampling container with reagent water/methanol and proceeds to handle it as an actual sample is handled in order to demonstrate that the system, methanol, and water are interference-free. If VOC's are detected, a water blank will be analyzed to determine if the interferences are in the water or the methanol. Appropriate measures will be taken to eliminate the interferences.

2.5.3 Field Blanks

2.5.3.1 Soil Gas

Prior to each day's soil gas or atmospheric sampling, field blanks of the entire sampling apparatus are taken and analyzed to check background contamination in the sampling system and cartridges. Sampling cartridges are attached to both the inlet and outlet end of a sampling probe. The sample collected in the discharge end cartridge is representative of sampling train contamination only while the intake cartridge provides a measure of the atmospheric concentrations. Additional field blanks are collected prior to any reuse of recleaned sampling equipment.

2.5.3.2 Water

A sampling container will be filled with interference-free water in the field in the same manner as water samples are collected. This sample, now designated as a field blank, is returned to the laboratory for analysis. If VOC's are detected, sample collection procedure will be reviewed. If necessary, sampling equipment will be thoroughly decontaminated. One field blank will be collected and analyzed on each day that water samples are collected.

2.5.3.3 Soil

Collection of field blank soil samples is not feasible due to the nature of the matrix and because interference-free soil is ordinarily not available.

2.5.4 Duplicate Samples

Duplicate soil gas, atmospheric, or shallow groundwater samples are collected from each sampling location. Duplicate analyses are performed on at least 10% of the samples collected. Duplicate analyses are not performed on soil samples because it would require homogenization of the sample, tend to release volatiles from the sample, and therefore, limit the accuracy of the results.

2.5.5 Trip Blanks

2.5.5.1 Soil Gas

An unused sample cartridge is transported into the field with the sampling equipment. The trip blank cartridge is handled in the same manner as a sample, but a sample is not collected through this cartridge. The trip blank is returned to the lab with the other samples and

analyzed. If VOC's are detected, sample handling and transport procedures are subsequently reviewed.

2.5.5.2 Water

A sampling container is filled with water determined to be interference-free and taken into the field. The trip blank container is handled in the same manner as other water samples. The trip blank is then returned to the laboratory for analysis with the other samples. If VOC's are detected, sample handling and transport procedures are reviewed and sampling equipment is decontaminated as necessary.

2.5.5.3 Soil

Trip blanks for soil sampling are not used because uncontaminated soils without background levels of organics are not available and the trip blank procedures are not feasible.

2.5.6 Matrix Spike Duplicate

2.5.6.1 Soil Gas

During each standard calibration procedure for soil gas analysis, the activated carbon in the sample collection cartridges is directly spiked and thermally desorbed.

2.5.6.2. Water

Once a day a duplicate field sample is spiked with a calibration standard of known concentration. This spiked sample is then processed and analyzed in the same manner as all samples. The difference between the reported concentration per compound and the concentration of the spike are then compared to the previous analysis of the unspiked sample duplicate.

2.5.6.3. Soil

Soil sample spikes are provided on purged soil samples by injecting a compound of known concentration directly into the vessel containing methanol extract of the soil. The soil sample is then purged and trapped onto the carbon cartridges for thermal desorption analysis to evaluate purging efficiencies.

2.5.7 Chromatographic Information

2.5.7.1 System Parameters

On the first page of each day's chromatograms, the following system parameters are noted:

A) Gas flows for H_2, He, N_2, and air

B) Tank pressures for H_2, He, N_2, and air

C) Temperatures

1. Injector
2. Columns
3. Detector
4. Thermal desorber oven
5. Thermal desorber transfer lines
6. Thermal desorber desorption temperature and duration

D) Integrator parameters

1. Attenuation
2. Peak markers
3. Baseline offset

E) Column(s)

1. Type
2. Length and diameter
3. Packing material
4. Temperature

F) Operator

G) Date

If any system parameters change, the changes shall be noted.

2.5.8 Internal Quality Control

All chromatograms are reviewed internally by a chemist other than the chemist performing the analysis.

2.5.9 Outside Quality Control Audits

Samples are periodically sent to independent laboratories for analysis as a quality assurance check.

2.5.10 Sample Chain of Custody

All samples are labeled with the following information:

1) Sample identification number
2) Date and time of sample collection
3) Name of sampler

In addition to labeling the samples, a field data/chain of custody form is completed for each sample (Figure 6). At the time of sample collection, the field sampler signs the custody form and records the date, time and sampling conditions. The sample is then transferred to the laboratory, where the individual receiving the sample for analysis signs the original custody form and records the date and time. This Soil Gas

Field Data Sheet (Chain of Custody Form) is then filed in a notebook with the hard copy of the analytical results and eventually becomes part of the final report.

2.6 Procedures

2.6.1 Typical chromatographic equations are summarized in Section 2.7.

2.6.2 The system is calibrated daily as described in Section 2.4.1.

2.6.3 Soil Water Samples

A representative fraction, typically 20 ml of each cooled soil water sample will be transferred to a tared 40.0 ml VOC vial. The remaining volume is stored at less than 4°C. If less than 20 ml of the soil water sample is used, the volume will be brought to 25 ml with VOC-free reagent water prior to purging. Any surrogate or spiking

HYDRO GEO CHEM, INC.

Sample #_____ Date/Time_____ Data Base File____

Location Description_____

Sampler's Signature_____Soil____Water____Soil Gas____

Weather_____Air Temp.(°F)_____ Soil Temp.(°F)_____

Wind Direction & Speed_____Surface Conditions_____

Cartridge # A=_____ B=_____Sample Size (ml) A=_____ B=_____

Adapter #_____Probe Depth_____Probe Volume (ml)_____

Purge Rate_____Purge Time_____Minutes Purge Vacuum_____"Hg

Sample Flow Rate_____ml/min Sample Vacuum ("Hg) A=_____ B=_____

Notes_____

Lab Receipt: Signature_____Date/Time_____

Compound	Concentration (µg/L) A	Concentration (µg/L) B	Notes

Figure 6

mixture will then be introduced by piercing the septum and injecting the mixture below the water surface. Following any additions, needle sparging will be carried out for 15 minutes under ambient lab temperatures using a purge gas flow rate of 200 ml/minute. The purged volatile compounds will then be trapped on a packed cartridge which is held at 40°C to minimize carry-over of water.

2.6.4 Soil Samples

Five grams of each soil will be transferred to a 40 ml VOC vial. Immediately following, five milliliters of HPLC-grade methanol will be added and the vial sealed. Any surrogate or spiking mixture will then be added by piercing the septum and injecting the mixture below the methanol surface. Following any additions, the soil/methanol mixture will be agitated to fully wet the soil with the extracting solution. After allowing the soil/methanol mixture to settle so that a particulate free layer forms, a measured aliquot will be transferred to a second 40.0 ml VOC vial containing 25 ml of VOC-free reagent grade water. The second vial will then be needle sparged for 15 minutes under ambient laboratory temperatures using a purge gas flow rate of 200 ml/minute. The purged volatile compounds will then be trapped on a packed cartridge which will be held at 40°C to minimize carry-over of water.

2.6.5 Gas Samples

The thermal desorption tubes on which the samples are collected are placed in the thermal desorber and heated to 380 ±4°C with a helium flow of 20 ml/min. at the same time that the GC temperature program is initiated and data acquisition started. The trapped materials are desorbed and carried through the heated transfer lines to the GC columns where separation occurs (Figure 4).

2.7 Calculations

2.7.1 Each analyte in the sample chromatogram is identified by comparing the retention time of the suspect peak to retention times generated by the calibration standards on the appropriate detector. When applicable, the relative response of the alternate detector to the analyte is determined. The relative response should agree to within 20% of the relative response determined from the standards.

2.7.2 Quantitation is usually performed on the detector which exhibits the greater response if all detectors respond to an analyte. In cases where greater specificity or precision would result, the analyst uses his/her professional judgement in determining the alternate detector.

2.7.3 The concentration of the unknowns is determined by using the calibration curve or by comparing the peak height or area of the unknowns to the peak height or area of the standards as follows for external standards:

External Standards:

$$C = (A/RF)(1/SA)$$

or $$C = (A \times RF/10000)(1/SA)$$

where C = concentration of the analyte in sample in μg/L

SA = sample amount in L or kg

RF = relative response factor

Internal Standards:

$$C_{\mu g/l} = \left(\frac{IS}{SA}\right)\left(\frac{RF_S A_S}{RF_{IS} A_{IS}}\right)$$

where C μg/L = concentration of the component of interest present in the sample

SA = sample volume or mass (L or kg)

IS = the amount of the internal standard added to the samples

RF_S = response factor of component's determined by calibration

A_S = area count of the components in the sample analysis

RF_{IS} = response factor of the internal standard is

1 by definition

A_{IS} = the area of the internal standard in the sample analysis run

2.7.4 The results for the unknown samples are reported in μg/L. The results are rounded off to the nearest 0.01 μg/L or 2 significant figures.

APPENDIX D

GEOPHYSICAL DATA FROM THE MIAMI-ERIE CANAL AND AREA J SURVEYS

APPENDIX D.1.

MOBILE MAGNETOMETER/GRADIOMETER DATA FOR MIAMI-ERIE CANAL SURVEY

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
084440	0000N	000000N	055472.41	0245.57	053196.49
084500	0000N	000005N	055366.76	-0013.75	053092.61
084525	0000N	000010N	055280.79	-0073.46	053003.14
084545	0000N	000015N	055267.21	-0083.57	052989.66
084600	0000N	000020N	055263.47	-0073.46	052987.31
084620	0000N	000025N	055267.42	-0050.16	052989.84
084635	0000N	000030N	055202.49	-0012.58	052925.05
084650	0000N	000035N	055129.51	-0072.75	052857.94
084705	0000N	000040N	055068.72	-0110.64	052791.26
084745	0000N	000045N	055045.01	-0092.96	052767.59
084800	0000N	000050N	055053.39	-0069.76	052775.89
084815	0000N	000055N	055085.10	-0046.10	052807.97
084830	0000N	000060N	055147.23	-0007.12	052879.19
084845	0000N	000065N	055169.46	0002.00	052893.24
084900	0000N	000070N	055137.11	-0036.69	052863.44
084915	0000N	000075N	055166.70	-0039.08	052889.51
084935	0000N	000080N	055170.57	-0069.71	052893.48
084950	0000N	000085N	055336.90	0025.35	053059.78
085015	0000N	000090N	055548.83	0194.87	053271.80
085030	0000N	000095N	055421.40	0086.91	053144.93
085045	0000N	000100N	055232.14	-0041.91	052963.59
085100	0000N	000105N	055223.19	-0020.28	052946.48
085200	0000N	000110N	055241.52	-0003.69	052968.25
085215	0000N	000115N	055278.25	0005.23	053001.55
085230	0000N	000120N	055292.21	0015.21	053015.48
085245	0000N	000125N	055278.72	0001.85	053002.13
085300	0000N	000130N	055271.25	-0003.96	052994.86
085315	0000N	000135N	055277.26	-0002.08	053002.58
085330	0000N	000140N	055293.61	0008.23	053022.94
085345	0000N	000145N	055294.43	0008.14	053018.71
085400	0000N	000150N	055259.82	-0028.21	052984.42
085415	0000N	000155N	055282.44	-0010.42	053006.26
085430	0000N	000160N	055297.46	0000.26	053024.59
085445	0000N	000165N	055298.36	0000.28	053021.56
085500	0000N	000170N	055264.45	-0025.48	052988.30
085515	0000N	000175N	055271.81	-0013.71	052995.98
085530	0000N	000180N	055283.95	-0005.89	053007.47
085545	0000N	000185N	055284.97	-0006.66	053008.69
085600	0000N	000190N	055282.09	-0004.26	053012.92
085615	0000N	000195N	055283.95	-0007.26	053007.68
085630	0000N	000200N	055284.90	-0008.17	053008.60
085645	0000N	000205N	055296.20	-0002.73	053019.63
085725	0000N	000210N	055284.47	-0007.69	053008.03
085740	0000N	000215N	055274.75	-0005.25	052999.16
085755	0000N	000220N	055285.65	-0003.05	053009.20
085810	0000N	000225N	055288.21	-0002.53	053014.84
085825	0000N	000230N	055291.94	-0002.62	053015.22
085840	0000N	000235N	055299.19	-0000.57	053022.35
085855	0000N	000240N	055312.99	0009.08	053036.03
085910	0000N	000245N	055313.31	0016.00	053037.98
085925	0000N	000250N	055295.99	0001.16	053019.16

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
085945	0000N	000255N	055286.86	-0004.33	053009.97
090000	0000N	000260N	055289.20	-0002.25	053012.26
090015	0000N	000265N	055295.39	0000.92	053018.40
090030	0000N	000270N	055300.37	-0000.05	053023.37
090045	0000N	000275N	055296.07	-0007.17	053019.18
090100	0000N	000280N	055273.54	-0010.00	053002.32
090115	0000N	000285N	055291.95	-0007.41	053015.44
090130	0000N	000290N	055301.97	0002.05	053025.60
090145	0000N	000295N	055297.53	-0002.78	053022.00
090200	0000N	000300N	055301.78	0000.44	053025.30
090525	0010N	000300N	055286.57	-0007.41	053010.88
090545	0010N	000295N	055281.96	-0009.62	053006.27
090605	0010N	000290N	055287.17	-0005.89	053011.43
090620	0010N	000285N	055289.60	-0003.28	053013.79
090635	0010N	000280N	055281.28	-0011.94	053005.42
090650	0010N	000275N	055285.35	-0004.26	053009.50
090705	0010N	000270N	055282.19	-0001.80	053008.06
090720	0010N	000265N	055283.16	-0002.26	053007.66
090735	0010N	000260N	055271.31	-0002.53	052997.94
090750	0010N	000255N	055252.67	-0016.16	052976.86
090805	0010N	000250N	055166.46	-0092.92	052895.80
090830	0010N	000245N	055231.89	-0046.51	052956.18
090850	0010N	000240N	055281.54	-0005.03	053005.83
090905	0010N	000235N	055281.34	-0005.80	053005.59
090925	0010N	000230N	055273.51	-0013.35	052997.92
090945	0010N	000225N	055285.68	-0003.12	053010.07
091000	0010N	000220N	055293.91	0006.07	053018.54
091015	0010N	000215N	055280.33	0000.41	053014.84
091030	0010N	000210N	055284.29	-0004.92	053008.81
091045	0010N	000205N	055283.66	-0005.82	053008.07
091100	0010N	000200N	055284.07	-0004.35	053008.64
091115	0010N	000195N	055281.30	-0005.57	053005.84
091130	0010N	000190N	055278.39	-0008.51	053004.34
091145	0010N	000185N	055284.72	-0001.96	053013.67
091200	0010N	000180N	055284.94	-0001.19	053009.17
091215	0010N	000175N	055272.79	-0008.94	052997.31
091235	0010N	000170N	055275.68	0000.33	052999.67
091255	0010N	000165N	055272.78	-0000.44	052998.69
091310	0010N	000160N	055261.74	-0008.30	052985.90
091325	0010N	000155N	055259.49	-0013.10	052983.42
091340	0010N	000150N	055251.72	-0023.57	052977.12
091400	0010N	000145N	055253.95	-0019.08	052979.65
091415	0010N	000140N	055275.67	-0003.92	052999.48
091430	0010N	000135N	055265.27	-0010.37	052989.77
091445	0010N	000130N	055262.13	-0015.58	052985.92
091505	0010N	000125N	055271.94	0008.62	052996.28
091520	0010N	000120N	055298.95	0020.08	053022.84
091540	0010N	000115N	055268.74	-0001.01	052992.91
091555	0010N	000110N	055234.24	-0008.57	052958.44
091610	0010N	000105N	055187.48	-0022.00	052916.40
091625	0010N	000100N	055100.30	-0068.76	052825.99

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
091645	0010N	000095N	054999.75	-0144.30	052726.77
091700	0010N	000090N	055054.75	-0097.71	052779.22
091715	0010N	000085N	055107.65	-0051.60	052832.12
091735	0010N	000080N	055119.12	-0028.57	052843.63
091755	0010N	000075N	055100.60	-0026.85	052825.28
091815	0010N	000070N	055057.12	-0050.37	052781.82
091830	0010N	000065N	055031.10	-0050.73	052755.87
091845	0010N	000060N	054990.89	-0063.08	052715.54
091900	0010N	000055N	054906.33	-0095.35	052631.42
091920	0010N	000050N	054840.78	0245.32	052565.63
091935	0010N	000045N	054788.88	3919.91	052513.66
092010	0010N	000040N	055001.53	-0155.66	052726.36
092025	0010N	000035N	055327.00	0951.28	053051.80
092040	0010N	000030N	055545.92	-0249.23	053270.74
092100	0010N	000025N	055753.22	-0194.89	053481.39
092115	0010N	000020N	055624.67	-0167.03	053349.83
092135	0010N	000015N	055426.03	-0137.60	053150.98
092150	0010N	000010N	055258.95	-0053.83	052986.18
092205	0010N	000005N	055140.51	-0144.71	052865.56
092220	0010N	000000N	055074.92	-0150.19	052800.08
092305	0020N	000000S	055240.86	-0076.64	052970.63
092320	0020N	000005N	055373.69	-0085.26	053099.06
092335	0020N	000010N	055665.11	-0085.01	053390.61
092350	0020N	000015N	056246.70	0006.67	053972.16
092405	0020N	000020N	057275.62	0217.08	055001.17
092415	0020N	000025N	059144.86	1193.03	056870.71
092430	0020N	000030N	059718.21	0696.14	057448.77
092445	0020N	000035N	058731.40	0840.37	056457.42
092500	0020N	000040N	055934.00	2161.21	053659.96
092515	0020N	000045N	054646.62	1152.73	052380.84
092530	0020N	000050N	054527.06	-0391.50	052256.37
092545	0020N	000055N	054671.23	-0205.92	052397.21
092600	0020N	000060N	054838.21	-0104.62	052566.01
092615	0020N	000065N	054958.68	-0056.28	052684.46
092630	0020N	000070N	055039.28	-0030.67	052764.88
092645	0020N	000075N	055078.52	-0020.46	052804.24
092705	0020N	000080N	055090.66	-0023.01	052816.12
092720	0020N	000085N	055081.41	-0034.80	052807.64
092735	0020N	000090N	055072.64	-0048.26	052798.73
092850	0020N	000095N	055105.54	-0038.92	052832.23
092920	0020N	000100N	055162.95	-0013.01	052894.52
092940	0020N	000105N	055212.65	-0003.41	052942.23
092955	0020N	000110N	055238.77	-0004.10	052965.87
093010	0020N	000115N	055261.59	0001.16	052988.89
093025	0020N	000120N	055267.23	0000.96	052995.16
093040	0020N	000125N	055262.99	-0010.14	052990.89
093055	0020N	000130N	055270.36	-0001.23	052998.03
093110	0020N	000135N	055254.99	-0003.19	052983.73
093125	0020N	000140N	055260.15	-0009.39	052988.25
093140	0020N	000145N	055283.61	0007.78	053011.53
093155	0020N	000150N	055288.20	0005.66	053016.58

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
093210	0020N	000155N	055282.66	-0004.87	053010.60
093225	0020N	000160N	055286.50	-0001.30	053014.48
093235	0020N	000165N	055281.97	-0004.32	053009.94
093250	0020N	000170N	055280.38	-0003.85	053008.38
093305	0020N	000175N	055283.46	-0000.98	053011.61
093320	0020N	000180N	055279.93	-0002.78	053010.05
093335	0020N	000185N	055284.34	-0002.00	053012.57
093350	0020N	000190N	055282.77	-0003.12	053011.00
093405	0020N	000195N	055284.81	-0002.00	053013.15
093420	0020N	000200N	055285.06	-0002.60	053015.28
093435	0020N	000205N	055278.54	-0001.14	053007.60
093455	0020N	000210N	055287.37	-0002.08	053016.00
093510	0020N	000215N	055273.66	-0003.07	053015.25
093525	0020N	000220N	055291.92	0004.01	053020.95
093540	0020N	000225N	055280.68	-0001.28	053013.32
093555	0020N	000230N	055264.97	-0011.94	052994.98
093610	0020N	000235N	055258.71	-0004.28	053001.13
093625	0020N	000240N	055271.43	-0003.73	053000.93
093705	0020N	000245N	055267.92	-0006.44	052996.58
093720	0020N	000250N	055272.93	-0000.30	053001.54
093735	0020N	000255N	055277.74	0000.30	053006.27
093750	0020N	000260N	055281.70	0000.87	053010.30
093805	0020N	000265N	055281.26	-0000.82	053010.59
093820	0020N	000270N	055278.83	-0002.12	053007.93
093835	0020N	000275N	055280.68	-0001.80	053009.57
093850	0020N	000280N	055289.83	0004.98	053018.59
093905	0020N	000285N	055303.37	0014.44	053032.17
093920	0020N	000290N	055296.58	0007.46	053025.34
093935	0020N	000295N	055273.11	-0011.55	053002.83
093950	0020N	000300N	055276.46	-0004.44	053005.95
094035	0030N	000300N	055276.89	-0004.75	053006.20
094050	0030N	000295N	055276.24	-0005.62	053005.55
094105	0030N	000290N	055270.35	-0005.94	053003.99
094125	0030N	000285N	055265.30	-0015.12	052994.59
094140	0030N	000280N	055269.17	-0010.55	052998.63
094155	0030N	000275N	055274.60	-0004.64	053004.17
094210	0030N	000270N	055275.82	-0004.60	053005.37
094225	0030N	000265N	055274.92	-0004.64	053004.56
094240	0030N	000260N	055275.05	-0004.35	053004.70
094255	0030N	000255N	055275.22	-0004.71	053004.94
094310	0030N	000250N	055270.58	-0004.14	053005.20
094325	0030N	000245N	055275.22	-0004.94	053008.96
094340	0030N	000240N	055275.58	-0004.44	053004.85
094355	0030N	000235N	055276.16	-0004.69	053005.91
094410	0030N	000230N	055276.80	-0005.19	053006.44
094425	0030N	000225N	055279.43	-0004.08	053009.48
094445	0030N	000220N	055282.52	-0003.75	053012.26
094500	0030N	000215N	055281.33	-0003.44	053011.38
094515	0030N	000210N	055283.18	-0005.33	053012.75
094530	0030N	000205N	055287.78	-0000.10	053019.95
094550	0030N	000200N	055288.55	0000.91	053018.23

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
094605	0030N	000195N	055284.77	-0003.12	053014.46
094620	0030N	000190N	055285.39	-0000.21	053015.58
094640	0030N	000185N	055282.38	-0003.25	053013.76
094655	0030N	000180N	055281.34	-0004.14	053011.34
094710	0030N	000175N	055280.24	-0002.91	053010.66
094725	0030N	000170N	055282.88	-0002.69	053014.75
094740	0030N	000165N	055281.72	-0003.35	053014.07
094755	0030N	000160N	055280.80	-0005.17	053010.63
094810	0030N	000155N	055289.58	0006.75	053019.48
094825	0030N	000150N	055286.33	0009.23	053017.20
094850	0030N	000145N	055262.53	-0003.42	052993.78
094910	0030N	000140N	055242.21	-0018.14	052972.94
094925	0030N	000135N	055258.66	-0017.10	052988.01
094940	0030N	000130N	055281.28	-0010.80	053010.73
094955	0030N	000125N	055284.18	-0007.12	053013.62
095010	0030N	000120N	055277.23	-0003.66	053011.89
095025	0030N	000115N	055271.82	0007.69	053001.45
095040	0030N	000110N	055250.97	0003.50	052992.95
095105	0030N	000105N	055220.70	-0001.96	052950.38
095130	0030N	000100N	055184.39	-0014.37	052913.97
095150	0030N	000095N	055150.62	-0014.48	052880.33
095205	0030N	000090N	055128.79	-0020.16	052858.83
095225	0030N	000085N	055121.53	-0019.58	052851.03
095240	0030N	000080N	055112.95	-0015.32	052842.64
095255	0030N	000075N	055088.44	-0017.01	052817.88
095310	0030N	000070N	055040.91	-0026.39	052770.87
095325	0030N	000065N	054951.59	-0056.10	052681.06
095340	0030N	000060N	054822.63	-0116.58	052552.12
095355	0030N	000055N	054655.42	-0244.55	052384.85
095415	0030N	000050N	054543.24	-0453.19	052272.58
095430	0030N	000045N	054895.21	-0672.12	052625.21
095440	0030N	000040N	056953.36	0097.50	054684.39
095500	0030N	000035N	061474.81	6759.71	059204.32
095520	0030N	000030N	064057.99	5028.75	061787.33
095535	0030N	000025N	060466.18	1834.44	058195.56
095550	0030N	000020N	057626.33	0294.26	055355.16
095610	0030N	000015N	056296.40	-0015.96	054025.74
095625	0030N	000010N	055681.00	-0059.28	053410.33
095640	0030N	000005N	055433.11	-0062.98	053165.89
095655	0030N	000000N	055308.01	-0018.17	053037.29
100035	0040N	000000N	055188.05	-0049.87	052922.05
100050	0040N	000005N	055229.17	-0099.16	052961.07
100105	0040N	000010N	055367.37	-0107.92	053099.53
100120	0040N	000015N	055598.18	-0091.00	053331.77
100140	0040N	000020N	055926.63	-0092.14	053658.68
100155	0040N	000025N	056393.23	-0033.87	054125.33
100210	0040N	000030N	056584.07	-0022.01	054316.07
100220	0040N	000035N	055934.05	-0234.08	053665.80
100235	0040N	000040N	055140.61	-0427.17	052872.47
100250	0040N	000045N	054759.43	-0413.76	052491.48
100305	0040N	000050N	054740.19	-0259.01	052472.64

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
100320	0040N	000055N	054837.12	-0151.41	052576.62
100335	0040N	000060N	054919.46	-0094.69	052653.81
100350	0040N	000065N	054996.62	-0058.55	052730.13
100405	0040N	000070N	055066.33	-0036.37	052799.88
100420	0040N	000075N	055108.51	-0025.28	052838.67
100435	0040N	000080N	055123.13	-0030.10	052853.51
100450	0040N	000085N	055110.50	-0055.58	052840.55
100505	0040N	000090N	055095.34	-0076.44	052825.37
100520	0040N	000095N	055116.62	-0074.23	052846.70
100535	0040N	000100N	055164.81	-0038.76	052896.44
100550	0040N	000105N	055212.72	-0017.26	052942.92
100605	0040N	000110N	055242.82	-0008.89	052973.06
100620	0040N	000115N	055267.86	-0005.10	052998.03
100635	0040N	000120N	055294.66	0000.21	053024.85
100650	0040N	000125N	055376.23	0041.67	053106.51
100705	0040N	000130N	055583.89	0269.08	053315.05
100735	0040N	000135N	055396.65	0091.69	053127.13
100750	0040N	000140N	055236.39	-0035.26	052966.87
100805	0040N	000145N	055189.75	-0060.83	052924.18
100820	0040N	000150N	055251.00	-0008.94	052981.68
100835	0040N	000155N	055275.87	-0001.48	053008.92
100850	0040N	000160N	055284.05	0002.42	053020.31
100900	0040N	000165N	055280.17	-0000.98	053010.63
100915	0040N	000170N	055278.20	-0001.92	053009.72
100930	0040N	000175N	055286.59	0002.44	053017.28
100940	0040N	000180N	055291.10	0007.17	053024.43
100955	0040N	000185N	055282.22	0000.16	053013.35
101010	0040N	000190N	055272.47	-0005.69	053004.82
101025	0040N	000195N	055275.75	-0002.48	053008.87
101040	0040N	000200N	055279.82	-0000.57	053010.49
101055	0040N	000205N	055281.57	-0001.16	053015.03
101105	0040N	000210N	055285.19	-0000.01	053016.14
101120	0040N	000215N	055282.66	-0002.87	053013.68
101135	0040N	000220N	055279.90	-0004.26	053011.33
101145	0040N	000225N	055275.47	-0004.83	053008.75
101200	0040N	000230N	055277.67	-0006.07	053008.84
101210	0040N	000235N	055279.45	-0004.17	053010.69
101220	0040N	000240N	055280.38	-0004.42	053011.51
101235	0040N	000245N	055280.48	-0006.30	053010.80
101245	0040N	000250N	055284.93	0000.89	053021.50
101300	0040N	000255N	055299.90	0017.89	053031.41
101315	0040N	000260N	055269.07	-0013.96	053000.65
101330	0040N	000265N	055269.99	-0008.21	053001.84
101345	0040N	000270N	055270.38	-0006.50	053002.71
101400	0040N	000275N	055273.28	-0003.01	053007.49
101410	0040N	000280N	055277.69	-0002.14	053013.45
101425	0040N	000285N	055278.64	-0003.92	053014.84
101445	0040N	000290N	055280.17	-0005.30	053013.08
101505	0040N	000295N	055279.10	-0003.60	053014.04
101520	0040N	000300N	055279.35	-0005.55	053010.79
101605	0050N	000300N	055286.02	-0010.35	053017.59

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
101620	0050N	000295N	055284.11	-0011.82	053020.28
101640	0050N	000290N	055290.00	-0003.50	053021.74
101700	0050N	000285N	055283.88	-0002.73	053015.90
101720	0050N	000280N	055275.22	-0005.53	053007.18
101735	0050N	000275N	055267.72	-0009.33	052999.66
101750	0050N	000270N	055267.58	-0012.55	052999.58
101805	0050N	000265N	055269.01	-0013.46	053004.17
101835	0050N	000260N	055276.30	-0013.60	053009.14
101850	0050N	000255N	055275.57	-0019.25	053008.70
101905	0050N	000250N	055271.82	-0022.87	053006.07
101920	0050N	000245N	055293.66	-0002.17	053026.70
101935	0050N	000240N	055293.63	-0000.80	053026.68
101950	0050N	000235N	055280.53	-0014.73	053013.66
102005	0050N	000230N	055279.35	-0010.51	053012.31
102020	0050N	000225N	055279.04	-0009.46	053016.06
102035	0050N	000220N	055268.54	-0025.50	053001.50
102100	0050N	000215N	055282.64	-0014.80	053016.19
102120	0050N	000210N	055278.82	-0011.64	053012.03
102135	0050N	000205N	055262.01	-0009.41	052995.90
102150	0050N	000200N	055246.20	-0003.50	052980.77
102205	0050N	000195N	055209.48	-0036.39	052943.77
102220	0050N	000190N	055262.35	-0008.17	052996.78
102245	0050N	000185N	055263.52	-0006.42	053003.40
102305	0050N	000180N	055266.45	-0006.39	053001.23
102320	0050N	000175N	055259.84	-0009.16	052994.71
102335	0050N	000170N	055250.06	-0018.78	052985.21
102350	0050N	000165N	055259.67	-0014.94	052994.33
102405	0050N	000160N	055276.53	-0003.01	053013.39
102420	0050N	000155N	055272.33	-0004.17	053011.15
102435	0050N	000150N	055259.08	-0014.98	052995.27
102450	0050N	000145N	055254.30	-0024.41	052989.30
102505	0050N	000140N	055277.69	-0014.03	053012.86
102520	0050N	000135N	055300.09	-0002.82	053035.68
102535	0050N	000130N	055305.38	0000.76	053040.67
102555	0050N	000125N	055293.46	-0006.66	053028.83
102620	0050N	000120N	055279.73	-0011.10	053014.54
102645	0050N	000115N	055261.02	-0020.35	052995.76
102710	0050N	000110N	055260.93	-0026.82	052995.04
102735	0050N	000105N	055276.48	-0041.50	053011.09
102800	0050N	000100N	055372.32	-0004.62	053106.61
102825	0050N	000095N	055438.04	0046.05	053172.87
102845	0050N	000090N	055402.20	0000.92	053136.55
102905	0050N	000085N	055330.49	0003.19	053064.63
102925	0050N	000080N	055258.98	-0022.55	052993.25
102950	0050N	000075N	055209.22	-0034.19	052943.26
103020	0050N	000070N	055188.90	0035.17	052923.03
103040	0050N	000065N	055188.74	-0012.60	052923.31
103100	0050N	000060N	055134.80	-0035.87	052871.76
103115	0050N	000055N	055110.78	0134.03	052844.92
103135	0050N	000050N	055149.10	-0050.50	052883.74
103155	0050N	000045N	055128.59	-0096.05	052864.09

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
103215	0050N	000040N	055129.49	0184.39	052863.77
103235	0050N	000035N	055217.72	-0112.57	052957.50
103255	0050N	000030N	055216.88	0406.87	052951.15
103320	0050N	000025N	055254.74	-0090.75	052988.95
103345	0050N	000020N	055277.36	-0081.91	053018.83
103400	0050N	000015N	055257.79	-0068.75	052992.02
103415	0050N	000010N	055232.05	-0056.25	052967.13
103430	0050N	000005N	055217.29	-0034.71	052952.03
103450	0050N	000000N	055181.95	-0011.96	052916.14
103525	0060N	000000S	055122.87	-0062.33	052856.96
103545	0060N	000005N	055160.66	-0067.00	052894.92
103605	0060N	000010N	055241.10	-0080.42	052974.83
103620	0060N	000015N	055364.24	0003.37	053100.61
103635	0060N	000020N	055236.49	-0091.53	052970.52
103650	0060N	000025N	055196.01	-0080.64	052930.00
103715	0060N	000030N	055176.81	-0073.16	052911.06
103730	0060N	000035N	055212.80	-0045.41	052948.79
103745	0060N	000040N	055182.51	0329.76	052917.81
103800	0060N	000045N	055187.57	-0040.23	052923.11
103815	0060N	000050N	055166.46	-0053.10	052901.08
103830	0060N	000055N	055149.03	-0070.05	052883.69
103840	0060N	000060N	055207.35	-0024.83	052941.88
103855	0060N	000065N	055233.61	-0014.83	052968.24
103910	0060N	000070N	055251.26	-0013.83	052985.92
103925	0060N	000075N	055276.29	-0014.78	053017.32
103940	0060N	000080N	055338.44	-0000.85	053073.58
103955	0060N	000085N	055448.47	0047.28	053183.31
104015	0060N	000090N	055623.03	0156.19	053357.88
104035	0060N	000095N	055623.24	0078.26	053358.85
104050	0060N	000100N	055416.79	-0127.35	053152.03
104105	0060N	000105N	055377.47	-0007.30	053112.55
104120	0060N	000110N	055319.87	-0021.26	053055.84
104135	0060N	000115N	055303.00	-0020.19	053038.40
104150	0060N	000120N	055300.67	-0010.60	053036.31
104205	0060N	000125N	055299.36	-0012.71	053035.53
104215	0060N	000130N	055304.00	-0008.07	053056.45
104320	0060N	000135N	055321.59	0002.01	053058.24
104335	0060N	000140N	055321.62	-0002.75	053062.07
104350	0060N	000145N	055322.64	-0003.69	053059.28
104405	0060N	000150N	055322.15	-0000.78	053058.82
104425	0060N	000155N	055312.36	-0007.55	053049.25
104440	0060N	000160N	055303.80	-0002.35	053041.66
104500	0060N	000165N	055293.48	-0003.07	053032.59
104520	0060N	000170N	055276.16	-0013.42	053013.57
104540	0060N	000175N	055272.44	-0012.14	053010.16
104600	0060N	000180N	055269.36	-0015.73	053007.41
104620	0060N	000185N	055283.50	-0007.28	053021.64
104635	0060N	000190N	055335.70	0034.66	053073.80
104650	0060N	000195N	055304.59	0003.16	053051.62
104705	0060N	000200N	055266.76	-0030.82	053005.61
104720	0060N	000205N	055298.41	-0005.19	053036.96

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
104735	0060N	000210N	055337.19	0026.55	053077.01
104750	0060N	000215N	055320.12	0004.71	053059.41
104805	0060N	000220N	055295.73	-0009.92	053036.46
104820	0060N	000225N	055287.97	-0009.32	053027.21
104835	0060N	000230N	055293.90	-0007.62	053034.03
104850	0060N	000235N	055302.86	-0005.89	053042.27
104905	0060N	000240N	055301.66	-0016.46	053041.03
104920	0060N	000245N	055326.14	-0009.89	053067.14
104950	0060N	000250N	055438.35	0076.05	053181.56
105040	0060N	000255N	055422.45	0068.98	053161.94
105110	0060N	000260N	055340.58	0012.35	053080.60
105140	0060N	000265N	055289.90	-0003.41	053029.66
105200	0060N	000270N	055274.63	-0009.10	053017.90
105215	0060N	000275N	055256.81	-0018.16	052996.62
105230	0060N	000280N	055245.45	-0020.85	052984.72
105245	0060N	000285N	055273.46	-0007.19	053013.36
105300	0060N	000290N	055298.08	-0003.64	053037.98
105315	0060N	000295N	055321.06	-0003.33	053061.23
105330	0060N	000300N	055327.58	-0006.23	053069.22

APPENDIX D.2.

BASE STATION MAGNETOMETER DATA FOR MIAMI-ERIE CANAL SURVEY

276.77

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
082635	055275.27	-001.50	275.27
082640	055273.55	-001.72	273.55
082645	055275.40	001.85	275.40
082650	055275.36	-000.04	275.36
082655	055274.87	-000.49	274.87
082700	055273.10	-001.77	273.10
082705	055275.31	002.21	275.31
082710	055273.63	-001.68	273.63
082715	055274.76	001.13	274.76
082720	055275.30	000.54	275.30
082725	055275.24	-000.06	275.24
082730	055272.85	-002.39	272.85
082735	055273.31	000.46	273.31
082740	055275.21	001.90	275.21
082745	055275.27	000.06	275.27
082750	055275.17	-000.10	275.17
082755	055275.03	-000.14	275.03
082800	055274.74	-000.29	274.74
082805	055272.93	-001.81	272.93
082810	055274.87	001.94	274.87
082815	055275.28	000.41	275.28
082820	055275.25	-000.03	275.25
082825	055275.25	000.00	275.25
082830	055275.25	000.00	275.25
082835	055271.27	-003.98	271.27
082840	055275.30	004.03	275.30
082845	055274.80	-000.50	274.80
082850	055275.20	000.40	275.20
082855	055274.52	-000.68	274.52
082900	055274.95	000.43	274.95
082905	055275.22	000.27	275.22
082910	055275.27	000.05	275.27
082915	055273.80	-001.47	273.80
082920	055275.20	001.40	275.20
082925	055275.31	000.11	275.31
082930	055275.29	-000.02	275.29
082935	055275.29	000.00	275.29
082940	055275.29	000.00	275.29
082945	055275.23	-000.06	275.23
082950	055275.25	000.02	275.25
082955	055275.25	000.00	275.25
083000	055275.15	-000.10	275.15
083005	055275.19	000.04	275.19
083010	055273.63	-001.56	273.63
083015	055272.16	-001.47	272.16
083020	055274.98	002.82	274.98
083025	055275.18	000.20	275.18
083030	055275.19	000.01	275.19

[1] Each succeeding value is the difference between preceding value and the current value.

[2] Cumulative difference of preceding column.

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
083035	055271.70	-003.49	271.70
083040	055276.13	004.43	276.13
083045	055275.23	-000.90	275.23
083050	055275.12	-000.11	275.12
083055	055275.09	-000.03	275.09
083100	055275.11	000.02	275.11
083105	055274.84	-000.27	274.84
083110	055274.45	-000.39	274.45
083115	055270.22	-004.23	270.22
083120	055259.43	-010.79	259.43
083125	055272.66	013.23	272.66
083130	055272.80	000.14	272.80
083135	055270.78	-002.02	270.78
083140	055273.39	002.61	273.39
083145	055271.43	-001.96	271.43
083150	055274.71	003.28	274.71
083155	055274.17	-000.54	274.17
083200	055274.42	000.25	274.42
083205	055274.69	000.27	274.69
083210	055274.71	000.02	274.71
083215	055274.64	-000.07	274.64
083220	055274.33	-000.31	274.33
083225	055272.27	-002.06	272.27
083230	055267.23	-005.04	267.23
083235	055274.12	006.89	274.12
083240	055274.27	000.15	274.27
083245	055274.27	000.00	274.27
083250	055274.12	-000.15	274.12
083255	055274.29	000.17	274.29
083300	055274.08	-000.21	274.08
083305	055273.55	-000.53	273.55
083310	055273.96	000.41	273.96
083315	055273.63	-000.33	273.63
083320	055274.25	000.62	274.25
083325	055274.35	000.10	274.35
083330	055274.31	-000.04	274.31
083335	055274.27	-000.04	274.27
083340	055274.10	-000.17	274.10
083345	055274.16	000.06	274.16
083350	055274.08	-000.08	274.08
083355	055273.86	-000.22	273.86
083400	055273.24	-000.62	273.24
083405	055273.92	000.68	273.92
083410	055273.92	000.00	273.92
083415	055273.75	-000.17	273.75
083420	055273.87	000.12	273.87
083425	055273.95	000.08	273.95
083430	055271.05	-002.90	271.05
083435	055274.01	002.96	274.01
083440	055274.12	000.11	274.12
083445	055270.94	-003.18	270.94
083450	055272.91	001.97	272.91
083455	055274.01	001.10	274.01
083500	055272.91	-001.10	272.91

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
083505	055273.98	001.07	273.98
083510	055274.03	000.05	274.03
083515	055274.20	000.17	274.20
083520	055274.13	-000.07	274.13
083525	055271.02	-003.11	271.02
083530	055274.12	003.10	274.12
083535	055272.17	-001.95	272.17
083540	055273.89	001.72	273.89
083545	055273.95	000.06	273.95
083550	055273.81	-000.14	273.81
083555	055273.03	-000.78	273.03
083600	055273.40	000.37	273.40
083605	055273.87	000.47	273.87
083610	055273.86	-000.01	273.86
083615	055270.97	-002.89	270.97
083620	055273.79	002.82	273.79
083625	055273.20	-000.59	273.20
083630	055272.52	-000.68	272.52
083635	055272.17	-000.35	272.17
083640	055273.69	001.52	273.69
083645	055272.03	-001.66	272.03
083650	055270.26	-001.77	270.26
083655	055273.63	003.37	273.63
083700	055273.56	-000.07	273.56
083705	055273.62	000.06	273.62
083710	055273.57	-000.05	273.57
083715	055272.28	-001.29	272.28
083720	055271.78	-000.50	271.78
083725	055272.94	001.16	272.94
083730	055273.90	000.96	273.90
083735	055273.90	000.00	273.90
083740	055273.92	000.02	273.92
083745	055273.95	000.03	273.95
083750	055273.93	-000.02	273.93
083755	055273.97	000.04	273.97
083800	055270.47	-003.50	270.47
083805	055271.59	001.12	271.59
083810	055273.50	001.91	273.50
083815	055268.23	-005.27	268.23
083820	055270.24	002.01	270.24
083825	055272.71	002.47	272.71
083830	055273.63	000.92	273.63
083835	055274.19	000.56	274.19
083840	055274.18	-000.01	274.18
083845	055274.21	000.03	274.21
083850	055274.19	-000.02	274.19
083855	055273.99	-000.20	273.99
083900	055273.90	-000.09	273.90
083905	055272.88	-001.02	272.88
083910	055267.51	-005.37	267.51
083915	055272.10	004.59	272.10
083920	055271.40	-000.70	271.40
083925	055265.41	-005.99	265.41
083930	055272.32	006.91	272.32

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
083935	055247.10	-025.22	247.10
083940	055271.85	024.75	271.85
083945	055269.61	-002.24	269.61
083950	055270.65	001.04	270.65
083955	055273.95	003.30	273.95
084000	055273.89	-000.06	273.89
084005	055273.74	-000.15	273.74
084010	055269.12	-004.62	269.12
084015	055272.62	003.50	272.62
084020	055273.87	001.25	273.87
084025	055273.97	000.10	273.97
084030	055274.04	000.07	274.04
084035	055274.01	-000.03	274.01
084040	055274.05	000.04	274.05
084045	055273.91	-000.14	273.91
084050	055273.67	-000.24	273.67
084055	055261.53	-012.14	261.53
084100	055269.75	008.22	269.75
084105	055261.23	-008.52	261.23
084110	055271.11	009.88	271.11
084115	055268.90	-002.21	268.90
084120	055269.01	000.11	269.01
084125	055269.95	000.94	269.95
084130	055266.40	-003.55	266.40
084135	055273.00	006.60	273.00
084140	055270.45	-002.55	270.45
084145	055269.92	-000.53	269.92
084150	055270.14	000.22	270.14
084155	055243.02	-027.12	243.02
084200	055191.09	-051.93	191.09
084205	055272.06	080.97	272.06
084210	055272.20	000.14	272.20
084215	055282.44	010.24	282.44
084220	055274.51	-007.93	274.51
084225	055274.13	-000.38	274.13
084230	055271.86	-002.27	271.86
084235	055279.39	007.53	279.39
084240	055275.72	-003.67	275.72
084245	055280.09	004.37	280.09
084250	055281.09	001.00	281.09
084255	055254.68	-026.41	254.68
084300	055275.28	020.60	275.28
084305	055277.22	001.94	277.22
084310	055277.12	-000.10	277.12
084315	055277.12	000.00	277.12
084320	055277.06	-000.06	277.06
084325	055277.09	000.03	277.09
084330	055276.64	-000.45	276.64
084335	055274.38	-002.26	274.38
084340	055277.30	002.92	277.30
084345	055277.34	000.04	277.34
084350	055277.45	000.11	277.45
084355	055277.23	-000.22	277.23
084400	055277.18	-000.05	277.18

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
084405	055277.30	000.12	277.30
084410	055271.47	-005.83	271.47
084415	055277.36	005.89	277.36
084420	055277.42	000.06	277.42
084425	055273.56	-003.86	273.56
084430	055277.05	003.49	277.05
084435	055277.27	000.22	277.27
084440	055275.92	-001.35	275.92
084445	055277.40	001.48	277.40
084450	055277.50	000.10	277.50
084455	055277.41	-000.09	277.41
084500	055274.15	-003.26	274.15
084505	055277.39	003.24	277.39
084510	055277.55	000.16	277.55
084515	055277.60	000.05	277.60
084520	055277.63	000.03	277.63
084525	055277.65	000.02	277.65
084530	055277.65	000.00	277.65
084535	055277.25	-000.40	277.25
084540	055276.99	-000.26	276.99
084545	055277.55	000.56	277.55
084550	055277.70	000.15	277.70
084555	055277.32	-000.38	277.32
084600	055276.16	-001.16	276.16
084605	055277.60	001.44	277.60
084610	055276.75	-000.85	276.75
084615	055277.42	000.67	277.42
084620	055277.58	000.16	277.58
084625	055277.52	-000.06	277.52
084630	055277.52	000.00	277.52
084635	055277.44	-000.08	277.44
084640	055274.59	-002.85	274.59
084645	055277.07	002.48	277.07
084650	055271.57	-005.50	271.57
084655	055277.38	005.81	277.38
084700	055276.88	-000.50	276.88
084705	055277.46	000.58	277.46
084710	055275.08	-002.38	275.08
084715	055276.73	001.65	276.73
084720	055277.48	000.75	277.48
084725	055277.46	-000.02	277.46
084730	055277.53	000.07	277.53
084735	055277.35	-000.18	277.35
084740	055276.24	-001.11	276.24
084745	055277.42	001.18	277.42
084750	055275.55	-001.87	275.55
084755	055277.45	001.90	277.45
084800	055277.50	000.05	277.50
084805	055277.40	-000.10	277.40
084810	055277.33	-000.07	277.33
084815	055277.13	-000.20	277.13
084820	055273.70	-003.43	273.70
084825	055277.07	003.37	277.07
084830	055268.04	-009.03	268.04

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
084835	055277.32	009.28	277.32
084840	055277.25	-000.07	277.25
084845	055276.22	-001.03	276.22
084850	055277.26	001.04	277.26
084855	055276.93	-000.33	276.93
084900	055273.67	-003.26	273.67
084905	055275.81	002.14	275.81
084910	055277.17	001.36	277.17
084915	055277.19	000.02	277.19
084920	055277.12	-000.07	277.12
084925	055277.13	000.01	277.13
084930	055277.16	000.03	277.16
084935	055277.09	-000.07	277.09
084940	055275.37	-001.72	275.37
084945	055276.91	001.54	276.91
084950	055277.12	000.21	277.12
084955	055277.00	-000.12	277.00
085000	055276.75	-000.25	276.75
085005	055274.42	-002.33	274.42
085010	055277.04	002.62	277.04
085015	055277.03	-000.01	277.03
085020	055277.02	-000.01	277.02
085025	055274.22	-002.80	274.22
085030	055276.47	002.25	276.47
085035	055277.03	000.56	277.03
085040	055276.84	-000.19	276.84
085045	055268.55	-008.29	268.55
085050	055276.49	007.94	276.49
085055	055276.82	000.33	276.82
085100	055276.71	-000.11	276.71
085105	055276.12	-000.59	276.12
085110	055276.79	000.67	276.79
085115	055276.58	-000.21	276.58
085120	055274.32	-002.26	274.32
085125	055276.01	001.69	276.01
085130	055276.27	000.26	276.27
085135	055276.65	000.38	276.65
085140	055276.73	000.08	276.73
085145	055276.74	000.01	276.74
085150	055276.68	-000.06	276.68
085155	055276.69	000.01	276.69
085200	055273.27	-003.42	273.27
085205	055276.32	003.05	276.32
085210	055276.68	000.36	276.68
085215	055276.70	000.02	276.70
085220	055276.73	000.03	276.73
085225	055276.70	-000.03	276.70
085230	055276.73	000.03	276.73
085235	055276.80	000.07	276.80
085240	055276.73	-000.07	276.73
085245	055276.59	-000.14	276.59
085250	055267.41	-009.18	267.41
085255	055275.31	007.90	275.31
085300	055276.39	001.08	276.39

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
085305	055275.68	-000.71	275.68
085310	055276.27	000.59	276.27
085315	055274.68	-001.59	274.68
085320	055276.40	001.72	276.40
085325	055273.02	-003.38	273.02
085330	055270.67	-002.35	270.67
085335	055272.80	002.13	272.80
085340	055276.27	003.47	276.27
085345	055275.72	-000.55	275.72
085350	055276.70	000.98	276.70
085355	055276.61	-000.09	276.61
085400	055275.40	-001.21	275.40
085405	055276.67	001.27	276.67
085410	055276.56	-000.11	276.56
085415	055276.18	-000.38	276.18
085420	055274.74	-001.44	274.74
085425	055258.50	-016.24	258.50
085430	055272.87	014.37	272.87
085435	055276.66	003.79	276.66
085440	055276.71	000.05	276.71
085445	055276.80	000.09	276.80
085450	055276.73	-000.07	276.73
085455	055275.82	-000.91	275.82
085500	055276.15	000.33	276.15
085505	055274.70	-001.45	274.70
085510	055276.00	001.30	276.00
085515	055275.83	-000.17	275.83
085520	055276.25	000.42	276.25
085525	055276.59	000.34	276.59
085530	055276.48	-000.11	276.48
085535	055275.29	-001.19	275.29
085540	055276.30	001.01	276.30
085545	055276.28	-000.02	276.28
085550	055270.19	-006.09	270.19
085555	055264.50	-005.69	264.50
085600	055269.17	004.67	269.17
085605	055273.19	004.02	273.19
085610	055276.19	003.00	276.19
085615	055276.27	000.08	276.27
085620	055276.27	000.00	276.27
085625	055276.34	000.07	276.34
085630	055276.30	-000.04	276.30
085635	055276.36	000.06	276.36
085640	055270.47	-005.89	270.47
085645	055276.57	006.10	276.57
085650	055276.35	-000.22	276.35
085655	055276.25	-000.10	276.25
085700	055271.81	-004.44	271.81
085705	055274.78	002.97	274.78
085710	055272.46	-002.32	272.46
085715	055267.93	-004.53	267.93
085720	055274.60	006.67	274.60
085725	055276.44	001.84	276.44
085730	055276.50	000.06	276.50

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
085735	055276.62	000.12	276.62
085740	055275.59	-001.03	275.59
085745	055276.01	000.42	276.01
085750	055276.01	000.00	276.01
085755	055276.45	000.44	276.45
085800	055276.56	000.11	276.56
085805	055274.97	-001.59	274.97
085810	055273.37	-001.60	273.37
085815	055276.63	003.26	276.63
085820	055275.00	-001.63	275.00
085825	055276.72	001.72	276.72
085830	055276.73	000.01	276.73
085835	055276.81	000.08	276.81
085840	055276.84	000.03	276.84
085845	055276.85	000.01	276.85
085850	055276.90	000.05	276.90
085855	055276.96	000.06	276.96
085900	055277.00	000.04	277.00
085905	055276.93	-000.07	276.93
085910	055275.33	-001.60	275.33
085915	055273.89	-001.44	273.89
085920	055274.24	000.35	274.24
085925	055276.83	002.59	276.83
085930	055276.96	000.13	276.96
085935	055276.91	-000.05	276.91
085940	055276.96	000.05	276.96
085945	055276.89	-000.07	276.89
085950	055277.03	000.14	277.03
085955	055275.40	-001.63	275.40
090000	055276.94	001.54	276.94
090005	055276.75	-000.19	276.75
090010	055276.25	-000.50	276.25
090015	055276.99	000.74	276.99
090020	055276.96	-000.03	276.96
090025	055274.18	-002.78	274.18
090030	055277.00	002.82	277.00
090035	055276.93	-000.07	276.93
090040	055276.93	000.00	276.93
090045	055276.89	-000.04	276.89
090050	055276.77	-000.12	276.77
090055	055276.58	-000.19	276.58
090100	055271.22	-005.36	271.22
090105	055275.82	004.60	275.82
090110	055276.71	000.89	276.71
090115	055276.51	-000.20	276.51
090120	055274.84	-001.67	274.84
090125	055275.07	000.23	275.07
090130	055276.37	001.30	276.37
090135	055276.13	-000.24	276.13
090140	055276.46	000.33	276.46
090145	055275.53	-000.93	275.53
090150	055270.84	-004.69	270.84
090155	055276.37	005.53	276.37
090200	055276.48	000.11	276.48

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
090205	055276.31	-000.17	276.31
090210	055276.26	-000.05	276.26
090215	055269.83	-006.43	269.83
090220	055276.30	006.47	276.30
090225	055276.22	-000.08	276.22
090230	055276.18	-000.04	276.18
090235	055276.11	-000.07	276.11
090240	055276.03	-000.08	276.03
090245	055276.01	-000.02	276.01
090250	055276.02	000.01	276.02
090255	055275.84	-000.18	275.84
090300	055274.47	-001.37	274.47
090305	055275.78	001.31	275.78
090310	055275.69	-000.09	275.69
090315	055270.45	-005.24	270.45
090320	055275.68	005.23	275.68
090325	055275.21	-000.47	275.21
090330	055271.71	-003.50	271.71
090335	055275.70	003.99	275.70
090340	055273.64	-002.06	273.64
090345	055275.61	001.97	275.61
090350	055275.64	000.03	275.64
090355	055275.47	-000.17	275.47
090400	055274.71	-000.76	274.71
090405	055274.34	-000.37	274.34
090410	055275.82	001.48	275.82
090415	055274.29	-001.53	274.29
090420	055275.29	001.00	275.29
090425	055273.44	-001.85	273.44
090430	055273.00	-000.44	273.00
090435	055275.35	002.35	275.35
090440	055274.41	-000.94	274.41
090445	055275.61	001.20	275.61
090450	055275.63	000.02	275.63
090455	055275.58	-000.05	275.58
090500	055275.52	-000.06	275.52
090505	055270.44	-005.08	270.44
090510	055275.63	005.19	275.63
090515	055272.80	-002.83	272.80
090520	055275.60	002.80	275.60
090525	055275.69	000.09	275.69
090530	055275.28	-000.41	275.28
090535	055275.57	000.29	275.57
090540	055275.68	000.11	275.68
090545	055275.69	000.01	275.69
090550	055275.74	000.05	275.74
090555	055275.75	000.01	275.75
090600	055275.39	-000.36	275.39
090605	055275.74	000.35	275.74
090610	055272.57	-003.17	272.57
090615	055273.87	001.30	273.87
090620	055275.81	001.94	275.81
090625	055274.75	-001.06	274.75
090630	055275.89	001.14	275.89

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
090635	055275.86	-000.03	275.86
090640	055275.95	000.09	275.95
090645	055275.92	-000.03	275.92
090650	055275.85	-000.07	275.85
090655	055275.91	000.06	275.91
090700	055275.92	000.01	275.92
090705	055274.13	-001.79	274.13
090710	055275.73	001.60	275.73
090715	055275.91	000.18	275.91
090720	055275.50	-000.41	275.50
090725	055268.18	-007.32	268.18
090730	055274.87	006.69	274.87
090735	055273.37	-001.50	273.37
090740	055275.85	002.48	275.85
090745	055273.23	-002.62	273.23
090750	055275.81	002.58	275.81
090755	055275.44	-000.37	275.44
090800	055270.01	-005.43	270.01
090805	055270.66	000.65	270.66
090810	055275.49	004.83	275.49
090815	055275.77	000.28	275.77
090820	055275.85	000.08	275.85
090825	055274.99	-000.86	274.99
090830	055275.71	000.72	275.71
090835	055275.80	000.09	275.80
090840	055275.80	000.00	275.80
090845	055276.38	000.58	276.38
090850	055275.71	-000.67	275.71
090855	055275.81	000.10	275.81
090900	055275.78	-000.03	275.78
090905	055275.75	-000.03	275.75
090910	055275.35	-000.40	275.35
090915	055268.43	-006.92	268.43
090920	055275.61	007.18	275.61
090925	055275.59	-000.02	275.59
090930	055272.87	-002.72	272.87
090935	055275.53	002.66	275.53
090940	055275.41	-000.12	275.41
090945	055275.61	000.20	275.61
090950	055275.70	000.09	275.70
090955	055275.60	-000.10	275.60
091000	055275.37	-000.23	275.37
091005	055270.83	-004.54	270.83
091010	055270.85	000.02	270.85
091015	055265.49	-005.36	265.49
091020	055273.92	008.43	273.92
091025	055275.02	001.10	275.02
091030	055275.48	000.46	275.48
091035	055275.50	000.02	275.50
091040	055275.56	000.06	275.56
091045	055275.59	000.03	275.59
091050	055275.34	-000.25	275.34
091055	055275.43	000.09	275.43
091100	055275.43	000.00	275.43

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
091105	055275.52	000.09	275.52
091110	055275.50	-000.02	275.50
091115	055275.46	-000.04	275.46
091120	055275.23	-000.23	275.23
091125	055268.17	-007.06	268.17
091130	055274.05	005.88	274.05
091135	055273.62	-000.43	273.62
091140	055273.07	-000.55	273.07
091145	055271.05	-002.02	271.05
091150	055273.35	002.30	273.35
091155	055272.55	-000.80	272.55
091200	055275.77	003.22	275.77
091205	055275.66	-000.11	275.66
091210	055268.09	-007.57	268.09
091215	055275.48	007.39	275.48
091220	055275.65	000.17	275.65
091225	055275.02	-000.63	275.02
091230	055275.88	000.86	275.88
091235	055276.01	000.13	276.01
091240	055274.80	-001.21	274.80
091245	055275.88	001.08	275.88
091250	055273.72	-002.16	273.72
091255	055274.09	000.37	274.09
091300	055276.01	001.92	276.01
091305	055276.06	000.05	276.06
091310	055275.84	-000.22	275.84
091315	055274.66	-001.18	274.66
091320	055275.88	001.22	275.88
091325	055276.07	000.19	276.07
091330	055275.80	-000.27	275.80
091335	055274.33	-001.47	274.33
091340	055274.60	000.27	274.60
091345	055273.51	-001.09	273.51
091350	055276.14	002.63	276.14
091355	055274.48	-001.66	274.48
091400	055274.30	-000.18	274.30
091405	055276.05	001.75	276.05
091410	055276.27	000.22	276.27
091415	055276.19	-000.08	276.19
091420	055276.65	000.46	276.65
091425	055274.95	-001.70	274.95
091430	055275.50	000.55	275.50
091435	055276.13	000.63	276.13
091440	055272.08	-004.05	272.08
091445	055276.21	004.13	276.21
091450	055276.05	-000.16	276.05
091455	055276.19	000.14	276.19
091500	055276.21	000.02	276.21
091505	055275.66	-000.55	275.66
091510	055270.18	-005.48	270.18
091515	055272.79	002.61	272.79
091520	055276.11	003.32	276.11
091525	055276.05	-000.06	276.05
091530	055275.64	-000.41	275.64

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
091535	055275.06	-000.58	275.06
091540	055275.83	000.77	275.83
091545	055275.81	-000.02	275.81
091550	055275.86	000.05	275.86
091555	055275.80	-000.06	275.80
091600	055275.78	-000.02	275.78
091605	055275.86	000.08	275.86
091610	055271.08	-004.78	271.08
091615	055275.54	004.46	275.54
091620	055275.54	000.00	275.54
091625	055274.31	-001.23	274.31
091630	055275.44	001.13	275.44
091635	055275.53	000.09	275.53
091640	055275.65	000.12	275.65
091645	055272.98	-002.67	272.98
091650	055272.52	-000.46	272.52
091655	055273.95	001.43	273.95
091700	055275.53	001.58	275.53
091705	055275.42	-000.11	275.42
091710	055275.35	-000.07	275.35
091715	055275.53	000.18	275.53
091720	055274.53	-001.00	274.53
091725	055272.79	-001.74	272.79
091730	055275.16	002.37	275.16
091735	055275.49	000.33	275.49
091740	055275.46	-000.03	275.46
091745	055274.07	-001.39	274.07
091750	055275.42	001.35	275.42
091755	055275.32	-000.10	275.32
091800	055275.19	-000.13	275.19
091805	055270.34	-004.85	270.34
091810	055275.10	004.76	275.10
091815	055275.30	000.20	275.30
091820	055275.25	-000.05	275.25
091825	055273.71	-001.54	273.71
091830	055275.23	001.52	275.23
091835	055275.29	000.06	275.29
091840	055275.34	000.05	275.34
091845	055275.35	000.01	275.35
091850	055263.48	-011.87	263.48
091855	055275.04	011.56	275.04
091900	055274.91	-000.13	274.91
091905	055271.55	-003.36	271.55
091910	055209.49	-062.06	209.49
091915	055275.46	065.97	275.46
091920	055275.15	-000.31	275.15
091925	055267.75	-007.40	267.75
091930	055274.78	007.03	274.78
091935	055275.22	000.44	275.22
091940	055275.16	-000.06	275.16
091945	055274.22	-000.94	274.22
091950	055275.83	001.61	275.83
091955	055268.62	-007.21	268.62
092000	055275.20	006.58	275.20

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
092005	055274.43	-000.77	274.43
092010	055275.17	000.74	275.17
092015	055275.17	000.00	275.17
092020	055275.14	-000.03	275.14
092025	055275.20	000.06	275.20
092030	055275.19	-000.01	275.19
092035	055275.19	000.00	275.19
092040	055275.18	-000.01	275.18
092045	055275.07	-000.11	275.07
092050	055275.02	-000.05	275.02
092055	055274.52	-000.50	274.52
092100	055271.83	-002.69	271.83
092105	055275.04	003.21	275.04
092110	055275.08	000.04	275.08
092115	055274.84	-000.24	274.84
092120	055270.03	-004.81	270.03
092125	055274.90	004.87	274.90
092130	055275.01	000.11	275.01
092135	055275.05	000.04	275.05
092140	055275.04	-000.01	275.04
092145	055274.87	-000.17	274.87
092150	055272.77	-002.10	272.77
092155	055274.30	001.53	274.30
092200	055274.89	000.59	274.89
092205	055274.95	000.06	274.95
092210	055274.26	-000.69	274.26
092215	055273.89	-000.37	273.89
092220	055274.84	000.95	274.84
092225	055274.86	000.02	274.86
092230	055274.88	000.02	274.88
092235	055274.78	-000.10	274.78
092240	055274.68	-000.10	274.68
092245	055274.69	000.01	274.69
092250	055274.56	-000.13	274.56
092255	055274.49	-000.07	274.49
092300	055274.35	-000.14	274.35
092305	055270.23	-004.12	270.23
092310	055272.63	002.40	272.63
092315	055270.96	-001.67	270.96
092320	055274.63	003.67	274.63
092325	055272.77	-001.86	272.77
092330	055270.83	-001.94	270.83
092335	055274.50	003.67	274.50
092340	055274.53	000.03	274.53
092345	055273.97	-000.56	273.97
092350	055274.54	000.57	274.54
092355	055274.50	-000.04	274.50
092400	055274.55	000.05	274.55
092405	055274.45	-000.10	274.45
092410	055271.94	-002.51	271.94
092415	055274.15	002.21	274.15
092420	055274.30	000.15	274.30
092425	055273.89	-000.41	273.89
092430	055269.44	-004.45	269.44

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
092435	055271.57	002.13	271.57
092440	055266.32	-005.25	266.32
092445	055273.98	007.66	273.98
092450	055273.99	000.01	273.99
092455	055274.03	000.04	274.03
092500	055274.04	000.01	274.04
092505	055273.86	-000.18	273.86
092510	055271.95	-001.91	271.95
092515	055265.78	-006.17	265.78
092520	055273.72	007.94	273.72
092525	055273.93	000.21	273.93
092530	055270.69	-003.24	270.69
092535	055272.60	001.91	272.60
092540	055273.94	001.34	273.94
092545	055274.02	000.08	274.02
092550	055270.05	-003.97	270.05
092555	055274.10	004.05	274.10
092600	055272.20	-001.90	272.20
092605	055273.96	001.76	273.96
092610	055276.59	002.63	276.59
092615	055274.22	-002.37	274.22
092620	055274.15	-000.07	274.15
092625	055274.36	000.21	274.36
092630	055274.40	000.04	274.40
092635	055274.34	-000.06	274.34
092640	055274.41	000.07	274.41
092645	055274.28	-000.13	274.28
092650	055274.33	000.05	274.33
092655	055274.37	000.04	274.37
092700	055274.59	000.22	274.59
092705	055274.54	-000.05	274.54
092710	055274.04	-000.50	274.04
092715	055273.44	-000.60	273.44
092720	055273.77	000.33	273.77
092725	055270.06	-003.71	270.06
092730	055273.93	003.87	273.93
092735	055273.91	-000.02	273.91
092740	055273.91	000.00	273.91
092745	055273.87	-000.04	273.87
092750	055273.83	-000.04	273.83
092755	055273.67	-000.16	273.67
092800	055270.12	-003.55	270.12
092805	055273.69	003.57	273.69
092810	055273.55	-000.14	273.55
092815	055272.26	-001.29	272.26
092820	055273.60	001.34	273.60
092825	055273.60	000.00	273.60
092830	055273.05	-000.55	273.05
092835	055273.36	000.31	273.36
092840	055273.32	-000.04	273.32
092845	055273.23	-000.09	273.23
092850	055273.31	000.08	273.31
092855	055273.38	000.07	273.38
092900	055273.33	-000.05	273.33

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
092905	055273.39	000.06	273.39
092910	055273.27	-000.12	273.27
092915	055272.80	-000.47	272.80
092920	055268.43	-004.37	268.43
092925	055272.54	004.11	272.54
092930	055266.75	-005.79	266.75
092935	055252.16	-014.59	252.16
092940	055270.42	018.26	270.42
092945	055270.83	000.41	270.83
092950	055272.71	001.88	272.71
092955	055272.90	000.19	272.90
093000	055272.77	-000.13	272.77
093005	055272.75	-000.02	272.75
093010	055272.70	-000.05	272.70
093015	055272.44	-000.26	272.44
093020	055269.49	-002.95	269.49
093025	055272.07	002.58	272.07
093030	055272.11	000.04	272.11
093035	055272.07	-000.04	272.07
093040	055272.10	000.03	272.10
093045	055272.07	-000.03	272.07
093050	055270.07	-002.00	270.07
093055	055272.33	002.26	272.33
093100	055272.27	-000.06	272.27
093105	055271.93	-000.34	271.93
093110	055271.26	-000.67	271.26
093115	055263.72	-007.54	263.72
093120	055261.70	-002.02	261.70
093125	055271.90	010.20	271.90
093130	055249.43	-022.47	249.43
093135	055271.88	022.45	271.88
093140	055272.08	000.20	272.08
093145	055269.45	-002.63	269.45
093150	055271.21	001.76	271.21
093155	055271.62	000.41	271.62
093200	055272.02	000.40	272.02
093205	055269.64	-002.38	269.64
093210	055272.06	002.42	272.06
093215	055271.93	-000.13	271.93
093220	055271.95	000.02	271.95
093225	055272.02	000.07	272.02
093230	055272.05	000.03	272.05
093235	055272.03	-000.02	272.03
093240	055272.00	-000.03	272.00
093245	055271.95	-000.05	271.95
093250	055272.00	000.05	272.00
093255	055271.97	-000.03	271.97
093300	055271.86	-000.11	271.86
093305	055271.85	-000.01	271.85
093310	055271.73	-000.12	271.73
093315	055268.00	-003.73	268.00
093320	055269.88	001.88	269.88
093325	055271.80	001.92	271.80
093330	055271.81	000.01	271.81

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
093335	055271.77	-000.04	271.77
093340	055271.78	000.01	271.78
093345	055270.05	-001.73	270.05
093350	055271.77	001.72	271.77
093355	055271.61	-000.16	271.61
093400	055269.41	-002.20	269.41
093405	055271.66	002.25	271.66
093410	055271.69	000.03	271.69
093415	055271.49	-000.20	271.49
093420	055269.78	-001.71	269.78
093425	055265.80	-003.98	265.80
093430	055265.00	-000.80	265.00
093435	055270.94	005.94	270.94
093440	055268.25	-002.69	268.25
093445	055271.24	002.99	271.24
093450	055271.32	000.08	271.32
093455	055271.37	000.05	271.37
093500	055271.20	-000.17	271.20
093505	055270.62	-000.58	270.62
093510	055258.41	-012.21	258.41
093515	055265.53	007.12	265.53
093520	055270.73	005.20	270.73
093525	055270.97	000.24	270.97
093530	055271.02	000.05	271.02
093535	055271.07	000.05	271.07
093540	055267.36	-003.71	267.36
093545	055264.80	-002.56	264.80
093550	055270.97	006.17	270.97
093555	055269.99	-000.98	269.99
093600	055270.37	000.38	270.37
093605	055266.92	-003.45	266.92
093610	055257.58	-009.34	257.58
093615	055266.80	009.22	266.80
093620	055270.77	003.97	270.77
093625	055270.50	-000.27	270.50
093630	055270.19	-000.31	270.19
093635	055269.36	-000.83	269.36
093640	055271.09	001.73	271.09
093645	055271.25	000.16	271.25
093650	055269.58	-001.67	269.58
093655	055271.40	001.82	271.40
093700	055271.36	-000.04	271.36
093705	055271.34	-000.02	271.34
093710	055270.46	-000.88	270.46
093715	055270.53	000.07	270.53
093720	055271.39	000.86	271.39
093725	055270.53	-000.86	270.53
093730	055270.68	000.15	270.68
093735	055271.47	000.79	271.47
093740	055271.50	000.03	271.50
093745	055271.46	-000.04	271.46
093750	055271.40	-000.06	271.40
093755	055271.33	-000.07	271.33
093800	055269.81	-001.52	269.81

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
093805	055270.67	000.86	270.67
093810	055271.26	000.59	271.26
093815	055268.25	-003.01	268.25
093820	055270.90	002.65	270.90
093825	055271.34	000.44	271.34
093830	055271.34	000.00	271.34
093835	055271.11	-000.23	271.11
093840	055266.90	-004.21	266.90
093845	055267.35	000.45	267.35
093850	055271.24	003.89	271.24
093855	055271.20	-000.04	271.20
093900	055263.73	-007.47	263.73
093905	055271.20	007.47	271.20
093910	055271.22	000.02	271.22
093915	055271.27	000.05	271.27
093920	055271.24	-000.03	271.24
093925	055271.27	000.03	271.27
093930	055271.18	-000.09	271.18
093935	055270.28	-000.90	270.28
093940	055271.07	000.79	271.07
093945	055271.04	-000.03	271.04
093950	055270.51	-000.53	270.51
093955	055270.00	-000.51	270.00
094000	055270.36	000.36	270.36
094005	055269.86	-000.50	269.86
094010	055270.80	000.94	270.80
094015	055270.75	-000.05	270.75
094020	055270.74	-000.01	270.74
094025	055270.80	000.06	270.80
094030	055270.78	-000.02	270.78
094035	055270.69	-000.09	270.69
094040	055270.77	000.08	270.77
094045	055270.71	-000.06	270.71
094050	055270.69	-000.02	270.69
094055	055270.77	000.08	270.77
094100	055270.70	-000.07	270.70
094105	055266.36	-004.34	266.36
094110	055266.75	000.39	266.75
094115	055270.50	003.75	270.50
094120	055269.85	-000.65	269.85
094125	055270.71	000.86	270.71
094130	055270.70	-000.01	270.70
094135	055270.71	000.01	270.71
094140	055270.54	-000.17	270.54
094145	055270.36	-000.18	270.36
094150	055269.62	-000.74	269.62
094155	055270.43	000.81	270.43
094200	055270.37	-000.06	270.37
094205	055269.01	-001.36	269.01
094210	055270.45	001.44	270.45
094215	055270.46	000.01	270.46
094220	055270.40	-000.06	270.40
094225	055270.36	-000.04	270.36
094230	055265.76	-004.60	265.76

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
094235	055270.28	004.52	270.28
094240	055270.35	000.07	270.35
094245	055269.55	-000.80	269.55
094250	055269.29	-000.26	269.29
094255	055270.28	000.99	270.28
094300	055270.26	-000.02	270.26
094305	055270.11	-000.15	270.11
094310	055265.38	-004.73	265.38
094315	055270.13	004.75	270.13
094320	055270.38	000.25	270.38
094325	055266.26	-004.12	266.26
094330	055270.17	003.91	270.17
094335	055268.65	-001.52	268.65
094340	055270.73	002.08	270.73
094345	055268.31	-002.42	268.31
094350	055270.38	002.07	270.38
094355	055270.25	-000.13	270.25
094400	055270.28	000.03	270.28
094405	055270.37	000.09	270.37
094410	055270.36	-000.01	270.36
094415	055270.19	-000.17	270.19
094420	055268.40	-001.79	268.40
094425	055269.95	001.55	269.95
094430	055262.90	-007.05	262.90
094435	055265.03	002.13	265.03
094440	055267.03	002.00	267.03
094445	055270.26	003.23	270.26
094450	055270.52	000.26	270.52
094455	055270.41	-000.11	270.41
094500	055269.95	-000.46	269.95
094505	055270.11	000.16	270.11
094510	055270.46	000.35	270.46
094515	055270.43	-000.03	270.43
094520	055270.41	-000.02	270.41
094525	055270.35	-000.06	270.35
094530	055267.83	-002.52	267.83
094535	055270.26	002.43	270.26
094540	055264.85	-005.41	264.85
094545	055268.63	003.78	268.63
094550	055270.32	001.69	270.32
094555	055268.88	-001.44	268.88
094600	055270.38	001.50	270.38
094605	055270.31	-000.07	270.31
094610	055270.20	-000.11	270.20
094615	055264.21	-005.99	264.21
094620	055269.81	005.60	269.81
094625	055268.00	-001.81	268.00
094630	055265.08	-002.92	265.08
094635	055270.02	004.94	270.02
094640	055268.62	-001.40	268.62
094645	055270.10	001.48	270.10
094650	055270.11	000.01	270.11
094655	055270.00	-000.11	270.00
094700	055264.91	-005.09	264.91

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
094705	055269.93	005.02	269.93
094710	055269.58	-000.35	269.58
094715	055269.58	000.00	269.58
094720	055268.73	-000.85	268.73
094725	055268.13	-000.60	268.13
094730	055268.70	000.57	268.70
094735	055270.08	001.38	270.08
094740	055267.65	-002.43	267.65
094745	055270.26	002.61	270.26
094750	055265.67	-004.59	265.67
094755	055270.17	004.50	270.17
094800	055268.90	-001.27	268.90
094805	055270.05	001.15	270.05
094810	055270.10	000.05	270.10
094815	055270.16	000.06	270.16
094820	055270.06	-000.10	270.06
094825	055269.13	-000.93	269.13
094830	055261.89	-007.24	261.89
094835	055277.55	015.66	277.55
094840	055262.85	-014.70	262.85
094845	055266.91	004.06	266.91
094850	055268.75	001.84	268.75
094855	055270.17	001.42	270.17
094900	055269.63	-000.54	269.63
094905	055270.26	000.63	270.26
094910	055269.27	-000.99	269.27
094915	055270.30	001.03	270.30
094920	055270.61	000.31	270.61
094925	055270.65	000.04	270.65
094930	055270.67	000.02	270.67
094935	055270.41	-000.26	270.41
094940	055270.55	000.14	270.55
094945	055267.66	-002.89	267.66
094950	055270.58	002.92	270.58
094955	055270.56	-000.02	270.56
095000	055270.51	-000.05	270.51
095005	055270.48	-000.03	270.48
095010	055265.34	-005.14	265.34
095015	055270.41	005.07	270.41
095020	055270.46	000.05	270.46
095025	055270.37	-000.09	270.37
095030	055268.19	-002.18	268.19
095035	055266.87	-001.32	266.87
095040	055258.02	-008.85	258.02
095045	055269.86	011.84	269.86
095050	055270.43	000.57	270.43
095055	055266.12	-004.31	266.12
095100	055270.36	004.24	270.36
095105	055270.32	-000.04	270.32
095110	055268.70	-001.62	268.70
095115	055270.36	001.66	270.36
095120	055270.43	000.07	270.43
095125	055270.41	-000.02	270.41
095130	055270.42	000.01	270.42

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
095135	055270.35	-000.07	270.35
095140	055270.31	-000.04	270.31
095145	055268.20	-002.11	268.20
095150	055270.29	002.09	270.29
095155	055270.49	000.20	270.49
095200	055270.39	-000.10	270.39
095205	055269.96	-000.43	269.96
095210	055270.57	000.61	270.57
095215	055270.42	-000.15	270.42
095220	055270.56	000.14	270.56
095225	055270.50	-000.06	270.50
095230	055263.97	-006.53	263.97
095235	055267.91	003.94	267.91
095240	055270.31	002.40	270.31
095245	055270.48	000.17	270.48
095250	055270.50	000.02	270.50
095255	055270.56	000.06	270.56
095300	055270.47	-000.09	270.47
095305	055270.38	-000.09	270.38
095310	055270.04	-000.34	270.04
095315	055267.89	-002.15	267.89
095320	055270.44	002.55	270.44
095325	055270.53	000.09	270.53
095330	055269.95	-000.58	269.95
095335	055270.62	000.67	270.62
095340	055270.51	-000.11	270.51
095345	055269.09	-001.42	269.09
095350	055270.49	001.40	270.49
095355	055270.57	000.08	270.57
095400	055270.68	000.11	270.68
095405	055269.37	-001.31	269.37
095410	055267.92	-001.45	267.92
095415	055270.66	002.74	270.66
095420	055270.61	-000.05	270.61
095425	055269.57	-001.04	269.57
095430	055270.00	000.43	270.00
095435	055268.50	-001.50	268.50
095440	055268.97	000.47	268.97
095445	055270.59	001.62	270.59
095450	055270.23	-000.36	270.23
095455	055270.34	000.11	270.34
095500	055270.49	000.15	270.49
095505	055262.62	-007.87	262.62
095510	055270.45	007.83	270.45
095515	055270.63	000.18	270.63
095520	055270.66	000.03	270.66
095525	055268.11	-002.55	268.11
095530	055268.27	000.16	268.27
095535	055270.62	002.35	270.62
095540	055270.68	000.06	270.68
095545	055270.45	-000.23	270.45
095550	055271.17	000.72	271.17
095555	055270.29	-000.88	270.29
095600	055270.57	000.28	270.57

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
095605	055270.77	000.20	270.77
095610	055270.66	-000.11	270.66
095615	055270.65	-000.01	270.65
095620	055270.69	000.04	270.69
095625	055270.67	-000.02	270.67
095630	055270.03	-000.64	270.03
095635	055270.59	000.56	270.59
095640	055267.22	-003.37	267.22
095645	055270.35	003.13	270.35
095650	055269.51	-000.84	269.51
095655	055270.72	001.21	270.72
095700	055270.76	000.04	270.76
095705	055269.80	-000.96	269.80
095710	055270.36	000.56	270.36
095715	055270.53	000.17	270.53
095720	055269.78	-000.75	269.78
095725	055270.72	000.94	270.72
095730	055268.98	-001.74	268.98
095735	055270.27	001.29	270.27
095740	055270.51	000.24	270.51
095745	055270.73	000.22	270.73
095750	055270.75	000.02	270.75
095755	055270.39	-000.36	270.39
095800	055255.61	-014.78	255.61
095805	055270.01	014.40	270.01
095810	055267.80	-002.21	267.80
095815	055270.26	002.46	270.26
095820	055270.62	000.36	270.62
095825	055270.43	-000.19	270.43
095830	055270.73	000.30	270.73
095835	055270.73	000.00	270.73
095840	055270.79	000.06	270.79
095845	055270.76	-000.03	270.76
095850	055270.89	000.13	270.89
095855	055270.91	000.02	270.91
095900	055267.54	-003.37	267.54
095905	055270.74	003.20	270.74
095910	055270.84	000.10	270.84
095915	055270.90	000.06	270.90
095920	055270.80	-000.10	270.80
095925	055269.49	-001.31	269.49
095930	055270.32	000.83	270.32
095935	055270.54	000.22	270.54
095940	055270.02	-000.52	270.02
095945	055269.07	-000.95	269.07
095950	055267.65	-001.42	267.65
095955	055268.03	000.38	268.03
100000	055268.09	000.06	268.09
100005	055268.01	-000.08	268.01
100010	055267.15	-000.86	267.15
100015	055261.23	-005.92	261.23
100020	055267.99	006.76	267.99
100025	055268.04	000.05	268.04
100030	055267.74	-000.30	267.74

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
100035	055266.00	-001.74	266.00
100040	055267.94	001.94	267.94
100045	055268.06	000.12	268.06
100050	055268.10	000.04	268.10
100055	055268.05	-000.05	268.05
100100	055264.61	-003.44	264.61
100105	055267.84	003.23	267.84
100110	055263.12	-004.72	263.12
100115	055267.79	004.67	267.79
100120	055266.41	-001.38	266.41
100125	055267.94	001.53	267.94
100130	055268.02	000.08	268.02
100135	055268.02	000.00	268.02
100140	055267.95	-000.07	267.95
100145	055267.37	-000.58	267.37
100150	055267.61	000.24	267.61
100155	055267.90	000.29	267.90
100200	055266.51	-001.39	266.51
100205	055267.72	001.21	267.72
100210	055268.00	000.28	268.00
100215	055268.18	000.18	268.18
100220	055268.25	000.07	268.25
100225	055268.20	-000.05	268.20
100230	055268.21	000.01	268.21
100235	055268.14	-000.07	268.14
100240	055267.81	-000.33	267.81
100245	055267.68	-000.13	267.68
100250	055267.95	000.27	267.95
100255	055267.49	-000.46	267.49
100300	055267.61	000.12	267.61
100305	055267.55	-000.06	267.55
100310	055267.54	-000.01	267.54
100315	055266.85	-000.69	266.85
100320	055260.50	-006.35	260.50
100325	055267.16	006.66	267.16
100330	055266.88	-000.28	266.88
100335	055265.65	-001.23	265.65
100340	055270.06	004.41	270.06
100345	055265.49	-004.57	265.49
100350	055266.49	001.00	266.49
100355	055271.12	004.63	271.12
100400	055269.75	-001.37	269.75
100405	055266.45	-003.30	266.45
100410	055269.97	003.52	269.97
100415	055270.16	000.19	270.16
100420	055269.84	-000.32	269.84
100425	055264.00	-005.84	264.00
100430	055261.29	-002.71	261.29
100435	055269.62	008.33	269.62
100440	055265.03	-004.59	265.03
100445	055270.04	005.01	270.04
100450	055269.95	-000.09	269.95
100455	055266.73	-003.22	266.73
100500	055270.00	003.27	270.00

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
100505	055269.97	-000.03	269.97
100510	055270.04	000.07	270.04
100515	055269.99	-000.05	269.99
100520	055269.92	-000.07	269.92
100525	055269.83	-000.09	269.83
100530	055266.49	-003.34	266.49
100535	055268.37	001.88	268.37
100540	055269.84	001.47	269.84
100545	055269.78	-000.06	269.78
100550	055269.80	000.02	269.80
100555	055269.88	000.08	269.88
100600	055269.78	-000.10	269.78
100605	055269.76	-000.02	269.76
100610	055269.62	-000.14	269.62
100615	055269.96	000.34	269.96
100620	055269.83	-000.13	269.83
100625	055269.02	-000.81	269.02
100630	055269.79	000.77	269.79
100635	055269.81	000.02	269.81
100640	055269.78	-000.03	269.78
100645	055269.76	-000.02	269.76
100650	055269.72	-000.04	269.72
100655	055269.70	-000.02	269.70
100700	055269.53	-000.17	269.53
100705	055268.84	-000.69	268.84
100710	055269.33	000.49	269.33
100715	055267.47	-001.86	267.47
100720	055268.90	001.43	268.90
100725	055269.64	000.74	269.64
100730	055269.60	-000.04	269.60
100735	055269.52	-000.08	269.52
100740	055266.32	-003.20	266.32
100745	055267.96	001.64	267.96
100750	055269.52	001.56	269.52
100755	055268.35	-001.17	268.35
100800	055269.03	000.68	269.03
100805	055265.57	-003.46	265.57
100810	055266.19	000.62	266.19
100815	055265.11	-001.08	265.11
100820	055269.32	004.21	269.32
100825	055269.46	000.14	269.46
100830	055269.36	-000.10	269.36
100835	055266.95	-002.41	266.95
100840	055267.51	000.56	267.51
100845	055269.40	001.89	269.40
100850	055263.74	-005.66	263.74
100855	055268.80	005.06	268.80
100900	055269.54	000.74	269.54
100905	055269.55	000.01	269.55
100910	055269.54	-000.01	269.54
100915	055268.48	-001.06	268.48
100920	055256.52	-011.96	256.52
100925	055268.07	011.55	268.07
100930	055269.31	001.24	269.31

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
100935	055269.32	000.01	269.32
100940	055266.67	-002.65	266.67
100945	055269.41	002.74	269.41
100950	055269.31	-000.10	269.31
100955	055268.87	-000.44	268.87
101000	055269.43	000.56	269.43
101005	055269.18	-000.25	269.18
101010	055267.65	-001.53	267.65
101015	055265.55	-002.10	265.55
101020	055269.32	003.77	269.32
101025	055266.88	-002.44	266.88
101030	055269.24	002.36	269.24
101035	055269.33	000.09	269.33
101040	055269.33	000.00	269.33
101045	055269.10	-000.23	269.10
101050	055266.52	-002.58	266.52
101055	055266.54	000.02	266.54
101100	055269.15	002.61	269.15
101105	055269.05	-000.10	269.05
101110	055269.08	000.03	269.08
101115	055269.12	000.04	269.12
101120	055268.98	-000.14	268.98
101125	055268.71	-000.27	268.71
101130	055268.58	-000.13	268.58
101135	055268.57	-000.01	268.57
101140	055261.60	-006.97	261.60
101145	055266.72	005.12	266.72
101150	055268.67	001.95	268.67
101155	055268.83	000.16	268.83
101200	055268.83	000.00	268.83
101205	055268.72	-000.11	268.72
101210	055268.76	000.04	268.76
101215	055268.71	-000.05	268.71
101220	055268.87	000.16	268.87
101225	055269.64	000.77	269.64
101230	055224.92	-044.72	224.92
101235	055269.68	044.76	269.68
101240	055268.64	-001.04	268.64
101245	055263.43	-005.21	263.43
101250	055265.55	002.12	265.55
101255	055268.53	002.98	268.53
101300	055268.49	-000.04	268.49
101305	055268.48	-000.01	268.48
101310	055268.48	000.00	268.48
101315	055268.42	-000.06	268.42
101320	055263.37	-005.05	263.37
101325	055267.92	004.55	267.92
101330	055268.15	000.23	268.15
101335	055267.97	-000.18	267.97
101340	055267.91	-000.06	267.91
101345	055267.67	-000.24	267.67
101350	055257.75	-009.92	257.75
101355	055267.81	010.06	267.81
101400	055265.79	-002.02	265.79

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
101405	055252.25	-013.54	252.25
101410	055264.24	011.99	264.24
101415	055267.81	003.57	267.81
101420	055266.65	-001.16	266.65
101425	055263.80	-002.85	263.80
101430	055264.05	000.25	264.05
101435	055266.30	002.25	266.30
101440	055234.47	-031.83	234.47
101445	055267.09	032.62	267.09
101450	055265.75	-001.34	265.75
101455	055262.63	-003.12	262.63
101500	055267.35	004.72	267.35
101505	055265.06	-002.29	265.06
101510	055268.38	003.32	268.38
101515	055268.57	000.19	268.57
101520	055268.56	-000.01	268.56
101525	055267.62	-000.94	267.62
101530	055267.81	000.19	267.81
101535	055268.43	000.62	268.43
101540	055268.51	000.08	268.51
101545	055268.59	000.08	268.59
101550	055268.59	000.00	268.59
101555	055268.56	-000.03	268.56
101600	055268.48	-000.08	268.48
101605	055268.43	-000.05	268.43
101610	055268.42	-000.01	268.42
101615	055263.80	-004.62	263.80
101620	055263.83	000.03	263.83
101625	055266.51	002.68	266.51
101630	055268.31	001.80	268.31
101635	055268.28	-000.03	268.28
101640	055268.26	-000.02	268.26
101645	055268.15	-000.11	268.15
101650	055264.89	-003.26	264.89
101655	055263.19	-001.70	263.19
101700	055267.98	004.79	267.98
101705	055268.10	000.12	268.10
101710	055267.54	-000.56	267.54
101715	055267.99	000.45	267.99
101720	055268.04	000.05	268.04
101725	055268.09	000.05	268.09
101730	055268.07	-000.02	268.07
101735	055268.06	-000.01	268.06
101740	055267.08	-000.98	267.08
101745	055266.94	-000.14	266.94
101750	055268.00	001.06	268.00
101755	055267.32	-000.68	267.32
101800	055264.51	-002.81	264.51
101805	055264.84	000.33	264.84
101810	055266.96	002.12	266.96
101815	055267.26	000.30	267.26
101820	055258.97	-008.29	258.97
101825	055264.03	005.06	264.03
101830	055264.17	000.14	264.17

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
101835	055267.16	002.99	267.16
101840	055267.19	000.03	267.19
101845	055267.14	-000.05	267.14
101850	055266.87	-000.27	266.87
101855	055266.93	000.06	266.93
101900	055267.00	000.07	267.00
101905	055265.75	-001.25	265.75
101910	055257.50	-008.25	257.50
101915	055263.54	006.04	263.54
101920	055266.96	003.42	266.96
101925	055266.97	000.01	266.97
101930	055266.96	-000.01	266.96
101935	055266.95	-000.01	266.95
101940	055266.94	-000.01	266.94
101945	055266.87	-000.07	266.87
101950	055266.87	000.00	266.87
101955	055266.39	-000.48	266.39
102000	055263.94	-002.45	263.94
102005	055267.04	003.10	267.04
102010	055267.04	000.00	267.04
102015	055266.20	-000.84	266.20
102020	055262.98	-003.22	262.98
102025	055266.88	003.90	266.88
102030	055266.12	-000.76	266.12
102035	055267.04	000.92	267.04
102040	055267.01	-000.03	267.01
102045	055267.02	000.01	267.02
102050	055266.96	-000.06	266.96
102055	055266.37	-000.59	266.37
102100	055266.45	000.08	266.45
102105	055263.97	-002.48	263.97
102110	055266.76	002.79	266.76
102115	055264.80	-001.96	264.80
102120	055266.79	001.99	266.79
102125	055266.77	-000.02	266.77
102130	055266.79	000.02	266.79
102135	055266.11	-000.68	266.11
102140	055264.95	-001.16	264.95
102145	055265.05	000.10	265.05
102150	055265.43	000.38	265.43
102155	055264.59	-000.84	264.59
102200	055265.71	001.12	265.71
102205	055265.71	000.00	265.71
102210	055259.69	-006.02	259.69
102215	055265.65	005.96	265.65
102220	055265.57	-000.08	265.57
102225	055265.06	-000.51	265.06
102230	055265.52	000.46	265.52
102235	055262.41	-003.11	262.41
102240	055249.23	-013.18	249.23
102245	055260.12	010.89	260.12
102250	055260.19	000.07	260.19
102255	055264.39	004.20	264.39
102300	055264.67	000.28	264.67

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
102305	055265.22	000.55	265.22
102310	055265.03	-000.19	265.03
102315	055262.49	-002.54	262.49
102320	055265.13	002.64	265.13
102325	055265.18	000.05	265.18
102330	055265.14	-000.04	265.14
102335	055264.85	-000.29	264.85
102340	055265.03	000.18	265.03
102345	055265.24	000.21	265.24
102350	055265.34	000.10	265.34
102355	055265.26	-000.08	265.26
102400	055264.96	-000.30	264.96
102405	055263.14	-001.82	263.14
102410	055264.76	001.62	264.76
102415	055263.66	-001.10	263.66
102420	055261.18	-002.48	261.18
102425	055263.61	002.43	263.61
102430	055264.23	000.62	264.23
102435	055263.81	-000.42	263.81
102440	055264.70	000.89	264.70
102445	055264.97	000.27	264.97
102450	055265.00	000.03	265.00
102455	055264.87	-000.13	264.87
102500	055264.76	-000.11	264.76
102505	055264.83	000.07	264.83
102510	055264.82	-000.01	264.82
102515	055264.67	-000.15	264.67
102520	055264.41	-000.26	264.41
102525	055264.50	000.09	264.50
102530	055264.17	-000.33	264.17
102535	055264.71	000.54	264.71
102540	055264.60	-000.11	264.60
102545	055263.74	-000.86	263.74
102550	055264.57	000.83	264.57
102555	055264.63	000.06	264.63
102600	055264.69	000.06	264.69
102605	055264.66	-000.03	264.66
102610	055263.83	-000.83	263.83
102615	055263.54	-000.29	263.54
102620	055265.19	001.65	265.19
102625	055264.30	-000.89	264.30
102630	055261.24	-003.06	261.24
102635	055264.76	003.52	264.76
102640	055264.45	-000.31	264.45
102645	055265.26	000.81	265.26
102650	055265.73	000.47	265.73
102655	055265.60	-000.13	265.60
102700	055263.30	-002.30	263.30
102705	055265.76	002.46	265.76
102710	055265.89	000.13	265.89
102715	055265.80	-000.09	265.80
102720	055265.72	-000.08	265.72
102725	055265.37	-000.35	265.37
102730	055265.18	-000.19	265.18

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
102735	055265.39	000.21	265.39
102740	055265.84	000.45	265.84
102745	055265.81	-000.03	265.81
102750	055265.79	-000.02	265.79
102755	055265.83	000.04	265.83
102800	055265.71	-000.12	265.71
102805	055264.11	-001.60	264.11
102810	055265.56	001.45	265.56
102815	055264.24	-001.32	264.24
102820	055257.45	-006.79	257.45
102825	055265.17	007.72	265.17
102830	055265.49	000.32	265.49
102835	055259.08	-006.41	259.08
102840	055265.52	006.44	265.52
102845	055265.65	000.13	265.65
102850	055263.33	-002.32	263.33
102855	055265.77	002.44	265.77
102900	055265.85	000.08	265.85
102905	055265.86	000.01	265.86
102910	055265.91	000.05	265.91
102915	055265.84	-000.07	265.84
102920	055265.86	000.02	265.86
102925	055265.73	-000.13	265.73
102930	055265.78	000.05	265.78
102935	055265.72	-000.06	265.72
102940	055264.40	-001.32	264.40
102945	055265.61	001.21	265.61
102950	055265.96	000.35	265.96
102955	055265.92	-000.04	265.92
103000	055265.91	-000.01	265.91
103005	055265.58	-000.33	265.58
103010	055263.84	-001.74	263.84
103015	055265.66	001.82	265.66
103020	055265.87	000.21	265.87
103025	055264.56	-001.31	264.56
103030	055265.69	001.13	265.69
103035	055265.67	-000.02	265.67
103040	055265.43	-000.24	265.43
103045	055265.29	-000.14	265.29
103050	055264.84	-000.45	264.84
103055	055263.00	-001.84	263.00
103100	055263.04	000.04	263.04
103105	055265.65	002.61	265.65
103110	055265.81	000.16	265.81
103115	055265.86	000.05	265.86
103120	055265.89	000.03	265.89
103125	055265.89	000.00	265.89
103130	055265.07	-000.82	265.07
103135	055265.36	000.29	265.36
103140	055265.61	000.25	265.61
103145	055263.96	-001.65	263.96
103150	055265.42	001.46	265.42
103155	055264.50	-000.92	264.50
103200	055264.79	000.29	264.79

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
103205	055265.67	000.88	265.67
103210	055265.74	000.07	265.74
103215	055265.72	-000.02	265.72
103220	055265.84	000.12	265.84
103225	055265.74	-000.10	265.74
103230	055265.36	-000.38	265.36
103235	055260.22	-005.14	260.22
103240	055265.51	005.29	265.51
103245	055265.19	-000.32	265.19
103250	055262.77	-002.42	262.77
103255	055265.73	002.96	265.73
103300	055263.60	-002.13	263.60
103305	055265.73	002.13	265.73
103310	055265.10	-000.63	265.10
103315	055265.64	000.54	265.64
103320	055265.79	000.15	265.79
103325	055265.87	000.08	265.87
103330	055265.69	-000.18	265.69
103335	055263.37	-002.32	263.37
103340	055265.78	002.41	265.78
103345	055258.53	-007.25	258.53
103350	055259.59	001.06	259.59
103355	055265.75	006.16	265.75
103400	055265.77	000.02	265.77
103405	055265.65	-000.12	265.65
103410	055266.04	000.39	266.04
103415	055264.92	-001.12	264.92
103420	055261.78	-003.14	261.78
103425	055261.65	-000.13	261.65
103430	055265.26	003.61	265.26
103435	055265.60	000.34	265.60
103440	055263.12	-002.48	263.12
103445	055259.27	-003.85	259.27
103450	055265.81	006.54	265.81
103455	055266.13	000.32	266.13
103500	055265.48	-000.65	265.48
103505	055266.14	000.66	266.14
103510	055265.57	-000.57	265.57
103515	055262.56	-003.01	262.56
103520	055265.01	002.45	265.01
103525	055265.91	000.90	265.91
103530	055266.02	000.11	266.02
103535	055265.00	-001.02	265.00
103540	055266.01	001.01	266.01
103545	055265.74	-000.27	265.74
103550	055257.88	-007.86	257.88
103555	055264.88	007.00	264.88
103600	055265.82	000.94	265.82
103605	055266.27	000.45	266.27
103610	055266.24	-000.03	266.24
103615	055264.84	-001.40	264.84
103620	055263.63	-001.21	263.63
103625	055265.91	002.28	265.91
103630	055258.63	-007.28	258.63

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
103635	055265.97	007.34	265.97
103640	055265.72	-000.25	265.72
103645	055262.47	-003.25	262.47
103650	055266.01	003.54	266.01
103655	055265.99	-000.02	265.99
103700	055265.99	000.00	265.99
103705	055265.91	-000.08	265.91
103710	055259.24	-006.67	259.24
103715	055265.75	006.51	265.75
103720	055260.97	-004.78	260.97
103725	055265.22	004.25	265.22
103730	055264.01	-001.21	264.01
103735	055265.68	001.67	265.68
103740	055258.52	-007.16	258.52
103745	055264.70	006.18	264.70
103750	055264.49	-000.21	264.49
103755	055262.99	-001.50	262.99
103800	055264.46	001.47	264.46
103805	055263.84	-000.62	263.84
103810	055265.05	001.21	265.05
103815	055265.38	000.33	265.38
103820	055264.72	-000.66	264.72
103825	055264.39	-000.33	264.39
103830	055265.34	000.95	265.34
103835	055259.89	-005.45	259.89
103840	055265.47	005.58	265.47
103845	055265.42	-000.05	265.42
103850	055265.45	000.03	265.45
103855	055265.37	-000.08	265.37
103900	055265.39	000.02	265.39
103905	055265.36	-000.03	265.36
103910	055265.34	-000.02	265.34
103915	055265.39	000.05	265.39
103920	055265.30	-000.09	265.30
103925	055258.97	-006.33	258.97
103930	055265.26	006.29	265.26
103935	055265.24	-000.02	265.24
103940	055264.86	-000.38	264.86
103945	055264.21	-000.65	264.21
103950	055265.02	000.81	265.02
103955	055265.16	000.14	265.16
104000	055255.56	-009.60	255.56
104005	055265.14	009.58	265.14
104010	055261.72	-003.42	261.72
104015	055265.15	003.43	265.15
104020	055265.05	-000.10	265.05
104025	055263.06	-001.99	263.06
104030	055264.43	001.37	264.43
104035	055264.39	-000.04	264.39
104040	055262.37	-002.02	262.37
104045	055261.44	-000.93	261.44
104050	055264.76	003.32	264.76
104055	055264.89	000.13	264.89
104100	055264.91	000.02	264.91

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
104105	055264.92	000.01	264.92
104110	055264.92	000.00	264.92
104115	055263.21	-001.71	263.21
104120	055264.03	000.82	264.03
104125	055264.54	000.51	264.54
104130	055264.07	-000.47	264.07
104135	055264.60	000.53	264.60
104140	055264.53	-000.07	264.53
104145	055264.42	-000.11	264.42
104150	055264.36	-000.06	264.36
104155	055264.17	-000.19	264.17
104200	055264.21	000.04	264.21
104205	055263.83	-000.38	263.83
104210	055260.39	-003.44	260.39
104215	055247.55	-012.84	247.55
104220	055239.40	-008.15	239.40
104225	055242.05	002.65	242.05
104230	055235.86	-006.19	235.86
104235	055235.90	000.04	235.90
104240	055245.69	009.79	245.69
104245	055236.22	-009.47	236.22
104250	055236.92	000.70	236.92
104255	055244.91	007.99	244.91
104300	055245.68	000.77	245.68
104305	055257.00	011.32	257.00
104310	055259.18	002.18	259.18
104315	055261.48	002.30	261.48
104320	055263.35	001.87	263.35
104325	055263.27	-000.08	263.27
104330	055262.85	-000.42	262.85
104335	055259.55	-003.30	259.55
104340	055257.32	-002.23	257.32
104345	055259.79	002.47	259.79
104350	055263.36	003.57	263.36
104355	055263.36	000.00	263.36
104400	055258.66	-004.70	258.66
104405	055263.33	004.67	263.33
104410	055263.20	-000.13	263.20
104415	055263.25	000.05	263.25
104420	055263.08	-000.17	263.08
104425	055263.11	000.03	263.11
104430	055262.57	-000.54	262.57
104435	055262.95	000.38	262.95
104440	055262.14	-000.81	262.14
104445	055261.77	-000.37	261.77
104450	055262.88	001.11	262.88
104455	055262.83	-000.05	262.83
104500	055260.89	-001.94	260.89
104505	055262.02	001.13	262.02
104510	055260.31	-001.71	260.31
104515	055262.48	002.17	262.48
104520	055262.59	000.11	262.59
104525	055262.38	-000.21	262.38
104530	055261.77	-000.61	261.77

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
104535	055261.49	-000.28	261.49
104540	055262.28	000.79	262.28
104545	055259.69	-002.59	259.69
104550	055262.14	002.45	262.14
104555	055262.16	000.02	262.16
104600	055261.95	-000.21	261.95
104605	055262.21	000.26	262.21
104610	055261.66	-000.55	261.66
104615	055260.22	-001.44	260.22
104620	055261.86	001.64	261.86
104625	055261.92	000.06	261.92
104630	055261.90	-000.02	261.90
104635	055261.90	000.00	261.90
104640	055261.85	-000.05	261.85
104645	055261.64	-000.21	261.64
104650	055252.97	-008.67	252.97
104655	055261.65	008.68	261.65
104700	055261.31	-000.34	261.31
104705	055261.15	-000.16	261.15
104710	055248.76	-012.39	248.76
104715	055261.03	012.27	261.03
104720	055261.45	000.42	261.45
104725	055261.44	-000.01	261.44
104730	055261.17	-000.27	261.17
104735	055260.18	-000.99	260.18
104740	055261.10	000.92	261.10
104745	055261.14	000.04	261.14
104750	055260.71	-000.43	260.71
104755	055261.09	000.38	261.09
104800	055260.32	-000.77	260.32
104805	055259.27	-001.05	259.27
104810	055257.77	-001.50	257.77
104815	055260.73	002.96	260.73
104820	055260.76	000.03	260.76
104825	055260.66	-000.10	260.66
104830	055260.55	-000.11	260.55
104835	055259.87	-000.68	259.87
104840	055259.73	-000.14	259.73
104845	055260.65	000.92	260.65
104850	055260.59	-000.06	260.59
104855	055259.86	-000.73	259.86
104900	055260.62	000.76	260.62
104905	055260.63	000.01	260.63
104910	055260.58	-000.05	260.58
104915	055260.37	-000.21	260.37
104920	055259.00	-001.37	259.00
104925	055260.76	001.76	260.76
104930	055260.63	-000.13	260.63
104935	055260.63	000.00	260.63
104940	055260.62	-000.01	260.62
104945	055260.48	-000.14	260.48
104950	055256.79	-003.69	256.79
104955	055260.52	003.73	260.52
105000	055260.55	000.03	260.55

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
105005	055260.67	000.12	260.67
105010	055257.72	-002.95	257.72
105015	055259.82	002.10	259.82
105020	055259.14	-000.68	259.14
105025	055260.38	001.24	260.38
105030	055260.37	-000.01	260.37
105035	055260.34	-000.03	260.34
105040	055260.51	000.17	260.51
105045	055260.50	-000.01	260.50
105050	055259.78	-000.72	259.78
105055	055260.30	000.52	260.30
105100	055258.17	-002.13	258.17
105105	055260.36	002.19	260.36
105110	055259.98	-000.38	259.98
105115	055266.09	006.11	266.09
105120	055259.70	-006.39	259.70
105125	055259.29	-000.41	259.29
105130	055259.90	000.61	259.90
105135	055260.24	000.34	260.24
105140	055260.24	000.00	260.24
105145	055260.31	000.07	260.31
105150	055260.24	-000.07	260.24
105155	055260.19	-000.05	260.19
105200	055256.73	-003.46	256.73
105205	055256.40	-000.33	256.40
105210	055260.22	003.82	260.22
105215	055260.19	-000.03	260.19
105220	055260.16	-000.03	260.16
105225	055260.27	000.11	260.27
105230	055260.73	000.46	260.73
105235	055260.69	-000.04	260.69
105240	055260.25	-000.44	260.25
105245	055260.10	-000.15	260.10
105250	055253.63	-006.47	253.63
105255	055259.45	005.82	259.45
105300	055260.10	000.65	260.10
105305	055256.27	-003.83	256.27
105310	055252.77	-003.50	252.77
105315	055259.83	007.06	259.83
105320	055260.24	000.41	260.24
105325	055260.04	-000.20	260.04
105330	055258.36	-001.68	258.36
105335	055259.38	001.02	259.38
105340	055260.38	001.00	260.38
105345	055260.52	000.14	260.52
105350	055260.28	-000.24	260.28
105355	055254.31	-005.97	254.31
105400	055259.64	005.33	259.64
105405	055260.91	001.27	260.91
105410	055255.59	-005.32	255.59
105415	055259.05	003.46	259.05
105420	055260.59	001.54	260.59
105425	055260.81	000.22	260.81
105430	055260.90	000.09	260.90

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
105435	055261.05	000.15	261.05
105440	055261.58	000.53	261.58
105445	055258.28	-003.30	258.28
105450	055263.79	005.51	263.79
105455	055257.13	-006.66	257.13
105500	055261.05	003.92	261.05
105505	055256.93	-004.12	256.93
105510	055257.10	000.17	257.10
105515	055261.39	004.29	261.39
105520	055261.62	000.23	261.62
105525	055262.05	000.43	262.05
105530	055258.15	-003.90	258.15
105535	055260.12	001.97	260.12
105540	055259.05	-001.07	259.05
105545	055261.80	002.75	261.80
105550	055262.66	000.86	262.66
105555	055263.15	000.49	263.15
105600	055264.69	001.54	264.69
105605	055261.75	-002.94	261.75
105610	055262.92	001.17	262.92
105615	055263.20	000.28	263.20
105620	055261.94	-001.26	261.94
105625	055261.93	-000.01	261.93
105630	055262.61	000.68	262.61
105635	055261.15	-001.46	261.15
105640	055264.71	003.56	264.71
105645	055264.08	-000.63	264.08
105650	055263.91	-000.17	263.91
105655	055263.89	-000.02	263.89
105700	055263.82	-000.07	263.82
105705	055263.63	-000.19	263.63
105710	055263.01	-000.62	263.01
105715	055256.13	-006.88	256.13
105720	055257.25	001.12	257.25
105725	055262.01	004.76	262.01
105730	055263.73	001.72	263.73
105735	055256.69	-007.04	256.69
105740	055263.51	006.82	263.51
105745	055264.09	000.58	264.09
105750	055264.04	-000.05	264.04
105755	055262.13	-001.91	262.13
105800	055263.92	001.79	263.92
105805	055259.61	-004.31	259.61
105810	055263.85	004.24	263.85
105815	055262.93	-000.92	262.93
105820	055264.36	001.43	264.36
105825	055264.10	-000.26	264.10
105830	055248.22	-015.88	248.22
105835	055258.47	010.25	258.47
105840	055264.11	005.64	264.11
105845	055264.62	000.51	264.62
105850	055261.55	-003.07	261.55
105855	055264.65	003.10	264.65
105900	055261.89	-002.76	261.89

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
105905	055259.89	-002.00	259.89
105910	055264.63	004.74	264.63
105915	055264.70	000.07	264.70
105920	055264.61	-000.09	264.61
105925	055259.78	-004.83	259.78
105930	055262.60	002.82	262.60
105935	055263.56	000.96	263.56
105940	055265.04	001.48	265.04
105945	055265.12	000.08	265.12
105950	055259.77	-005.35	259.77
105955	055264.72	004.95	264.72
110000	055260.18	-004.54	260.18
110005	055264.96	004.78	264.96
110010	055262.31	-002.65	262.31
110015	055265.20	002.89	265.20
110020	055255.80	-009.40	255.80
110025	055256.47	000.67	256.47
110030	055264.88	008.41	264.88
110035	055265.39	000.51	265.39
110040	055264.21	-001.18	264.21
110045	055268.74	004.53	268.74
110050	055265.96	-002.78	265.96
110055	055264.24	-001.72	264.24
110100	055264.89	000.65	264.89
110105	055264.32	-000.57	264.32
110110	055265.43	001.11	265.43
110115	055265.22	-000.21	265.22
110120	055260.97	-004.25	260.97
110125	055265.68	004.71	265.68
110130	055265.40	-000.28	265.40
110135	055264.65	-000.75	264.65
110140	055264.49	-000.16	264.49
110145	055265.14	000.65	265.14
110150	055264.86	-000.28	264.86
110155	055264.73	-000.13	264.73
110200	055265.00	000.27	265.00
110205	055265.10	000.10	265.10
110210	055264.78	-000.32	264.78
110215	055261.11	-003.67	261.11
110220	055264.31	003.20	264.31
110225	055264.84	000.53	264.84
110230	055265.00	000.16	265.00
110235	055264.95	-000.05	264.95
110240	055264.94	-000.01	264.94
110245	055265.02	000.08	265.02
110250	055265.05	000.03	265.05
110255	055265.05	000.00	265.05
110300	055264.99	-000.06	264.99
110305	055264.91	-000.08	264.91
110310	055263.87	-001.04	263.87
110315	055264.90	001.03	264.90
110320	055264.95	000.05	264.95
110325	055264.89	-000.06	264.89
110330	055263.91	-000.98	263.91

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
110335	055263.83	-000.08	263.83
110340	055264.90	001.07	264.90
110345	055265.01	000.11	265.01
110350	055264.91	-000.10	264.91
110355	055261.56	-003.35	261.56
110400	055264.94	003.38	264.94
110405	055264.91	-000.03	264.91
110410	055262.11	-002.80	262.11
110415	055264.67	002.56	264.67
110420	055264.76	000.09	264.76
110425	055263.25	-001.51	263.25
110430	055263.33	000.08	263.33
110435	055264.60	001.27	264.60
110440	055262.38	-002.22	262.38
110445	055262.90	000.52	262.90
110450	055264.43	001.53	264.43
110455	055265.02	000.59	265.02
110500	055265.00	-000.02	265.00
110505	055261.99	-003.01	261.99
110510	055264.23	002.24	264.23
110515	055264.11	-000.12	264.11
110520	055264.15	000.04	264.15
110525	055263.38	-000.77	263.38
110530	055257.77	-005.61	257.77
110535	055264.48	006.71	264.48
110540	055264.58	000.10	264.58
110545	055264.61	000.03	264.61
110550	055264.65	000.04	264.65
110555	055264.58	-000.07	264.58
110600	055264.58	000.00	264.58
110605	055264.60	000.02	264.60
110610	055264.66	000.06	264.66
110615	055264.64	-000.02	264.64
110620	055262.25	-002.39	262.25
110625	055264.59	002.34	264.59
110630	055264.69	000.10	264.69
110635	055264.68	-000.01	264.68
110640	055264.75	000.07	264.75
110645	055264.73	-000.02	264.73
110650	055264.72	-000.01	264.72
110655	055264.53	-000.19	264.53
110700	055264.91	000.38	264.91
110705	055264.59	-000.32	264.59
110710	055262.41	-002.18	262.41
110715	055264.78	002.37	264.78
110720	055258.92	-005.86	258.92
110725	055264.04	005.12	264.04
110730	055263.00	-001.04	263.00
110735	055263.68	000.68	263.68
110740	055263.72	000.04	263.72
110745	055263.55	-000.17	263.55
110750	055262.75	-000.80	262.75
110755	055264.15	001.40	264.15
110800	055261.03	-003.12	261.03

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
110805	055258.66	-002.37	258.66
110810	055260.29	001.63	260.29
110815	055262.95	002.66	262.95
110820	055257.94	-005.01	257.94
110825	055257.48	-000.46	257.48
110830	055254.64	-002.84	254.64
110835	055264.20	009.56	264.20
110840	055264.34	000.14	264.34
110845	055264.34	000.00	264.34
110850	055264.42	000.08	264.42
110855	055263.29	-001.13	263.29
110900	055264.33	001.04	264.33
110905	055260.25	-004.08	260.25
110910	055264.31	004.06	264.31
110915	055262.68	-001.63	262.68
110920	055264.30	001.62	264.30
110925	055264.40	000.10	264.40
110930	055264.13	-000.27	264.13
110935	055263.73	-000.40	263.73
110940	055264.23	000.50	264.23
110945	055264.13	-000.10	264.13
110950	055263.31	-000.82	263.31
110955	055263.85	000.54	263.85
111000	055263.14	-000.71	263.14
111005	055263.43	000.29	263.43
111010	055263.53	000.10	263.53
111015	055262.63	-000.90	262.63
111020	055263.96	001.33	263.96
111025	055263.99	000.03	263.99
111030	055261.28	-002.71	261.28
111035	055260.85	-000.43	260.85
111040	055263.37	002.52	263.37
111045	055262.33	-001.04	262.33
111050	055263.82	001.49	263.82
111055	055263.33	-000.49	263.33
111100	055264.14	000.81	264.14
111105	055264.13	-000.01	264.13
111110	055264.03	-000.10	264.03
111115	055263.99	-000.04	263.99
111120	055263.85	-000.14	263.85
111125	055263.66	-000.19	263.66
111130	055263.68	000.02	263.68
111135	055263.64	-000.04	263.64
111140	055260.23	-003.41	260.23
111145	055261.74	001.51	261.74
111150	055260.18	-001.56	260.18
111155	055263.16	002.98	263.16
111200	055263.59	000.43	263.59
111205	055263.39	-000.20	263.39
111210	055261.31	-002.08	261.31
111215	055263.22	001.91	263.22
111220	055259.63	-003.59	259.63
111225	055262.75	003.12	262.75
111230	055262.90	000.15	262.90

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
111235	055262.97	000.07	262.97
111240	055257.99	-004.98	257.99
111245	055258.92	000.93	258.92
111250	055259.52	000.60	259.52
111255	055262.41	002.89	262.41
111300	055262.33	-000.08	262.33
111305	055263.03	000.70	263.03
111310	055261.74	-001.29	261.74
111315	055255.48	-006.26	255.48
111320	055263.72	008.24	263.72
111325	055263.97	000.25	263.97
111330	055263.89	-000.08	263.89
111335	055263.90	000.01	263.90
111340	055263.78	-000.12	263.78
111345	055263.50	-000.28	263.50
111350	055262.92	-000.58	262.92
111355	055263.74	000.82	263.74
111400	055263.77	000.03	263.77
111405	055263.70	-000.07	263.70
111410	055263.64	-000.06	263.64
111415	055260.94	-002.70	260.94
111420	055263.74	002.80	263.74
111425	055263.75	000.01	263.75
111430	055263.46	-000.29	263.46
111435	055261.27	-002.19	261.27
111440	055260.67	-000.60	260.67
111445	055263.81	003.14	263.81
111450	055263.80	-000.01	263.80
111455	055262.52	-001.28	262.52
111500	055263.67	001.15	263.67
111505	055263.82	000.15	263.82
111510	055263.57	-000.25	263.57
111515	055263.25	-000.32	263.25
111520	055261.34	-001.91	261.34
111525	055263.57	002.23	263.57
111530	055263.54	-000.03	263.54
111535	055259.84	-003.70	259.84
111540	055262.23	002.39	262.23
111545	055258.04	-004.19	258.04
111550	055263.32	005.28	263.32
111555	055263.39	000.07	263.39
111600	055263.13	-000.26	263.13
111605	055263.02	-000.11	263.02
111610	055257.70	-005.32	257.70
111615	055261.81	004.11	261.81
111620	055262.67	000.86	262.67
111625	055262.52	-000.15	262.52
111630	055260.11	-002.41	260.11
111635	055261.36	001.25	261.36
111640	055258.50	-002.86	258.50
111645	055262.51	004.01	262.51
111650	055262.53	000.02	262.53
111655	055262.51	-000.02	262.51
111700	055262.50	-000.01	262.50

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
111705	055262.42	-000.08	262.42
111710	055262.29	-000.13	262.29
111715	055262.07	-000.22	262.07
111720	055261.84	-000.23	261.84
111725	055261.09	-000.75	261.09
111730	055262.10	001.01	262.10
111735	055259.81	-002.29	259.81
111740	055256.98	-002.83	256.98
111745	055262.05	005.07	262.05
111750	055262.20	000.15	262.20
111755	055262.17	-000.03	262.17
111800	055262.05	-000.12	262.05
111805	055261.57	-000.48	261.57
111810	055261.86	000.29	261.86
111815	055261.82	-000.04	261.82
111820	055256.16	-005.66	256.16
111825	055261.28	005.12	261.28
111830	055257.16	-004.12	257.16
111835	055261.77	004.61	261.77
111840	055262.01	000.24	262.01
111845	055262.44	000.43	262.44
111850	055256.49	-005.95	256.49
111855	055262.26	005.77	262.26
111900	055261.76	-000.50	261.76
111905	055258.03	-003.73	258.03
111910	055261.66	003.63	261.66
111915	055261.35	-000.31	261.35
111920	055261.45	000.10	261.45
111925	055259.02	-002.43	259.02
111930	055260.68	001.66	260.68
111935	055251.12	-009.56	251.12
111940	055257.64	006.52	257.64
111945	055261.50	003.86	261.50
111950	055261.41	-000.09	261.41
111955	055261.40	-000.01	261.40
112000	055261.23	-000.17	261.23
112005	055261.18	-000.05	261.18
112010	055261.20	000.02	261.20
112015	055261.10	-000.10	261.10
112020	055260.96	-000.14	260.96
112025	055257.51	-003.45	257.51
112030	055260.86	003.35	260.86
112035	055260.98	000.12	260.98
112040	055260.95	-000.03	260.95
112045	055260.29	-000.66	260.29
112050	055260.75	000.46	260.75
112055	055260.75	000.00	260.75
112100	055260.61	-000.14	260.61
112105	055260.63	000.02	260.63
112110	055260.49	-000.14	260.49
112115	055260.18	-000.31	260.18
112120	055256.60	-003.58	256.60
112125	055259.77	003.17	259.77
112130	055257.96	-001.81	257.96

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
112135	055259.89	001.93	259.89
112140	055259.19	-000.70	259.19
112145	055260.22	001.03	260.22
112150	055259.15	-001.07	259.15
112155	055259.17	000.02	259.17
112200	055260.46	001.29	260.46
112205	055259.74	-000.72	259.74
112210	055255.08	-004.66	255.08
112215	055258.11	003.03	258.11

[1] Each succeeding value is the difference between preceding value and the current value.

[2] Cumulative difference of preceding column.

APPENDIX D.3.

ELECTROMAGNETIC (EM-31) HORIZONTAL DIPOLE DATA FOR MIAMI-ERIE CANAL SURVEY

MOUND CANAL EM31 SURVEY
HORIZONTAL DIPOLE

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
0.000	0.000	34.638	-4.909
0.000	5.000	39.062	-5.462
0.000	10.000	40.894	-6.856
0.000	15.000	46.570	-5.631
0.000	20.000	42.908	-5.199
0.000	25.000	40.284	-5.679
0.000	30.000	35.340	-5.862
0.000	35.000	34.150	-6.294
0.000	40.000	40.406	-6.691
0.000	45.000	39.948	-6.221
0.000	50.000	38.086	-6.437
0.000	55.000	35.462	-6.550
0.000	60.000	40.558	-6.845
0.000	65.000	38.788	-6.564
0.000	70.000	37.598	-7.027
0.000	75.000	39.002	-6.640
0.000	80.000	39.948	-6.494
0.000	85.000	40.740	-6.695
0.000	90.000	27.832	-7.720
0.000	95.000	20.660	-6.660
0.000	100.000	28.504	-6.595
0.000	105.000	30.854	-5.899
0.000	110.000	34.820	-6.592
0.000	115.000	29.724	-6.605
0.000	120.000	29.418	-6.048
0.000	125.000	29.876	-6.329
0.000	130.000	28.748	-6.636
0.000	135.000	29.846	-7.093
0.000	140.000	28.686	-6.783
0.000	145.000	25.208	-6.276
0.000	150.000	29.388	-6.641
0.000	155.000	23.926	-7.016
0.000	160.000	23.406	-6.322
0.000	165.000	25.848	-7.110
0.000	170.000	23.652	-5.895
0.000	175.000	17.974	-6.781
0.000	180.000	21.332	-7.397
0.000	185.000	21.454	-6.217
0.000	190.000	24.078	-5.710
0.000	195.000	26.428	-7.016
0.000	200.000	23.316	-7.049
0.000	205.000	20.630	-5.956
0.000	210.000	18.494	-6.301
0.000	215.000	18.096	-7.529
0.000	220.000	21.180	-6.522
0.000	225.000	21.668	-7.082
0.000	230.000	20.538	-6.987
0.000	235.000	22.216	-6.417

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
0.000	240.000	26.520	-6.660
0.000	245.000	20.050	-5.763
0.000	250.000	26.124	-7.115
0.000	255.000	25.910	-6.375
0.000	260.000	23.406	-6.540
0.000	265.000	24.688	-7.049
0.000	270.000	23.254	-7.498
0.000	275.000	21.302	-6.191
0.000	280.000	21.820	-6.287
0.000	285.000	25.116	-7.068
0.000	290.000	26.124	-6.334
0.000	295.000	24.932	-8.135
0.000	300.000	22.430	-6.340
10.000	300.000	18.372	-6.902
10.000	295.000	18.128	-6.162
10.000	290.000	15.442	-8.497
10.000	285.000	22.094	-7.156
10.000	280.000	19.562	-5.862
10.000	275.000	21.302	-6.482
10.000	270.000	19.166	-6.623
10.000	265.000	22.614	-7.132
10.000	260.000	21.424	-6.908
10.000	255.000	20.386	-6.265
10.000	250.000	18.676	-7.196
10.000	245.000	22.706	-8.560
10.000	240.000	19.654	-7.338
10.000	235.000	21.148	-8.414
10.000	230.000	23.774	-6.634
10.000	225.000	22.828	-6.845
10.000	220.000	22.492	-6.660
10.000	215.000	16.938	-7.883
10.000	210.000	21.912	-7.731
10.000	205.000	19.836	-6.781
10.000	200.000	21.820	-6.527
10.000	195.000	21.180	-7.095
10.000	190.000	22.004	-7.457
10.000	185.000	24.170	-6.783
10.000	180.000	21.088	-7.075
10.000	175.000	23.162	-9.267
10.000	170.000	21.942	-7.117
10.000	165.000	19.714	-7.237
10.000	160.000	20.172	-6.897
10.000	155.000	21.942	-7.419
10.000	150.000	19.134	-6.801
10.000	145.000	16.876	-6.851
10.000	140.000	18.096	-6.748
10.000	135.000	17.028	-6.390
10.000	130.000	31.250	-3.584
10.000	125.000	50.416	5.444
10.000	120.000	26.672	-2.498

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
10.000	115.000	26.124	-5.318
10.000	110.000	23.406	-7.161
10.000	105.000	18.128	-7.189
10.000	100.000	17.792	-7.057
10.000	95.000	23.010	-6.878
10.000	90.000	17.944	-6.794
10.000	85.000	28.686	-7.329
10.000	80.000	30.060	-7.516
10.000	75.000	25.330	-6.673
10.000	70.000	29.236	-7.854
10.000	65.000	28.564	-7.257
10.000	60.000	33.294	-7.242
10.000	55.000	32.318	-6.257
10.000	50.000	29.418	-5.638
10.000	45.000	35.430	-5.634
10.000	40.000	38.758	-4.876
10.000	35.000	36.072	-2.779
10.000	30.000	34.790	-2.445
10.000	25.000	35.492	-5.546
10.000	20.000	39.062	-5.328
10.000	15.000	42.266	-6.221
10.000	10.000	47.210	-6.526
10.000	5.000	43.396	-5.837
10.000	0.000	38.208	-5.522
20.000	0.000	42.968	-4.374
20.000	5.000	40.162	-5.403
20.000	10.000	34.394	-5.807
20.000	15.000	36.164	-2.860
20.000	20.000	42.542	8.353
20.000	25.000	21.606	10.644
20.000	30.000	-15.900	-25.806
20.000	35.000	6.408	30.884
20.000	40.000	28.656	2.572
20.000	45.000	30.822	1.062
20.000	50.000	28.106	-5.337
20.000	55.000	30.944	-6.160
20.000	60.000	25.544	-7.242
20.000	65.000	25.390	-7.371
20.000	70.000	21.820	-6.889
20.000	75.000	18.402	-6.676
20.000	80.000	19.410	-6.985
20.000	85.000	20.508	-7.727
20.000	90.000	18.096	-7.240
20.000	95.000	15.960	-6.360
20.000	100.000	16.144	-6.847
20.000	105.000	16.906	-7.819
20.000	110.000	16.144	-7.290
20.000	115.000	16.602	-7.654
20.000	120.000	15.594	-7.062
20.000	125.000	17.456	-6.581

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
20.000	130.000	16.724	-6.621
20.000	135.000	16.906	-6.222
20.000	140.000	16.388	-6.586
20.000	145.000	20.172	-6.889
20.000	150.000	18.066	-6.562
20.000	155.000	17.182	-6.728
20.000	160.000	18.310	-7.538
20.000	165.000	19.166	-6.856
20.000	170.000	21.148	-5.397
20.000	175.000	17.852	-7.047
20.000	180.000	22.706	-7.371
20.000	185.000	20.538	-6.526
20.000	190.000	22.492	-7.345
20.000	195.000	20.690	-7.165
20.000	200.000	16.784	-7.251
20.000	205.000	15.808	-7.257
20.000	210.000	15.412	-6.880
20.000	215.000	17.090	-6.919
20.000	220.000	20.020	-6.783
20.000	225.000	21.118	-6.686
20.000	230.000	20.112	-6.930
20.000	235.000	18.768	-6.724
20.000	240.000	17.640	-7.231
20.000	245.000	21.392	-7.808
20.000	250.000	16.388	-7.253
20.000	255.000	16.846	-7.130
20.000	260.000	16.632	-6.551
20.000	265.000	17.028	-6.998
20.000	270.000	17.456	-7.093
20.000	275.000	18.158	-7.257
20.000	280.000	18.188	-7.266
20.000	285.000	16.510	-6.599
20.000	290.000	15.136	-6.746
20.000	295.000	10.376	-5.985
20.000	300.000	16.480	-6.403
30.000	300.000	17.304	-6.775
30.000	295.000	16.510	-6.968
30.000	290.000	17.730	-6.946
30.000	285.000	15.320	-6.742
30.000	280.000	17.486	-7.251
30.000	275.000	15.594	-7.294
30.000	270.000	18.494	-7.455
30.000	265.000	16.418	-6.959
30.000	260.000	15.564	-7.343
30.000	255.000	16.938	-7.646
30.000	250.000	20.324	-7.362
30.000	245.000	17.974	-7.229
30.000	240.000	17.822	-6.921
30.000	235.000	15.930	-7.398
30.000	230.000	18.280	-7.318

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
30.000	225.000	17.914	-7.062
30.000	220.000	18.310	-7.376
30.000	215.000	16.602	-7.367
30.000	210.000	17.640	-6.711
30.000	205.000	17.242	-7.490
30.000	200.000	20.324	-4.866
30.000	195.000	17.518	-7.793
30.000	190.000	19.744	-6.989
30.000	185.000	17.518	-6.956
30.000	180.000	17.364	-6.746
30.000	175.000	21.026	-6.684
30.000	170.000	20.996	-6.998
30.000	165.000	19.714	-6.759
30.000	160.000	19.288	-6.625
30.000	155.000	20.600	-6.373
30.000	150.000	21.942	-6.507
30.000	145.000	20.660	-6.629
30.000	140.000	19.470	-6.860
30.000	135.000	20.202	-6.981
30.000	130.000	19.990	-7.705
30.000	125.000	20.660	-6.750
30.000	120.000	22.736	-7.353
30.000	115.000	21.088	-7.371
30.000	110.000	21.302	-7.538
30.000	105.000	17.518	-6.968
30.000	100.000	17.334	-6.792
30.000	95.000	17.852	-7.136
30.000	90.000	17.518	-6.904
30.000	85.000	23.774	-7.369
30.000	80.000	22.126	-7.343
30.000	75.000	20.904	-7.000
30.000	70.000	20.202	-7.275
30.000	65.000	21.270	-6.950
30.000	60.000	19.990	-6.809
30.000	55.000	20.508	-6.456
30.000	50.000	21.698	-3.422
30.000	45.000	27.984	10.516
30.000	40.000	56.884	45.431
30.000	35.000	3.602	45.416
30.000	30.000	5.066	45.433
30.000	25.000	68.848	45.412
30.000	20.000	36.622	11.784
30.000	15.000	31.830	-3.207
30.000	10.000	33.204	-5.756
30.000	5.000	36.468	-6.072
30.000	0.000	34.638	-5.785
40.000	0.000	31.646	-5.249
40.000	5.000	31.982	-5.293
40.000	10.000	34.302	-5.440
40.000	15.000	36.896	-5.039

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
40.000	20.000	34.546	-3.753
40.000	25.000	36.774	-2.976
40.000	30.000	30.518	-3.336
40.000	35.000	32.166	-1.226
40.000	40.000	30.762	-0.484
40.000	45.000	28.198	-2.990
40.000	50.000	27.070	-5.702
40.000	55.000	27.618	-6.232
40.000	60.000	27.954	-6.581
40.000	65.000	28.930	-6.226
40.000	70.000	26.856	-7.334
40.000	75.000	22.950	-6.803
40.000	80.000	25.330	-6.908
40.000	85.000	25.940	-7.378
40.000	90.000	26.824	-7.036
40.000	95.000	26.580	-7.240
40.000	100.000	26.428	-7.380
40.000	105.000	26.276	-6.408
40.000	110.000	26.886	-7.042
40.000	115.000	28.534	-6.987
40.000	120.000	28.076	-6.827
40.000	125.000	24.566	-6.597
40.000	130.000	19.226	-5.636
40.000	135.000	16.174	-3.766
40.000	140.000	24.566	-5.998
40.000	145.000	8.544	-3.393
40.000	150.000	32.288	-7.229
40.000	155.000	31.066	-7.510
40.000	160.000	31.830	-6.867
40.000	165.000	33.416	-7.024
40.000	170.000	32.318	-7.077
40.000	175.000	31.494	-6.827
40.000	180.000	30.792	-6.796
40.000	185.000	27.558	-6.763
40.000	190.000	27.374	-7.262
40.000	195.000	28.076	-7.514
40.000	200.000	28.564	-7.024
40.000	205.000	24.140	-6.788
40.000	210.000	22.858	-6.669
40.000	215.000	24.780	-6.498
40.000	220.000	25.024	-6.891
40.000	225.000	26.856	-7.294
40.000	230.000	26.520	-7.001
40.000	235.000	23.986	-6.730
40.000	240.000	22.888	-6.634
40.000	245.000	23.742	-6.768
40.000	250.000	15.716	-5.590
40.000	255.000	206.300	-5.962
40.000	260.000	16.236	-8.854
40.000	265.000	19.318	-6.538
40.000	270.000	18.616	-7.152

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
40.000	275.000	18.982	-6.801
40.000	280.000	20.172	-6.864
40.000	285.000	18.036	-6.816
40.000	290.000	20.722	-6.610
40.000	295.000	19.134	-6.662
40.000	300.000	18.860	-6.469
50.000	300.000	22.400	-6.612
50.000	295.000	20.050	-6.652
50.000	290.000	21.180	-6.480
50.000	285.000	27.222	-6.535
50.000	280.000	25.940	-6.996
50.000	275.000	26.428	-7.261
50.000	270.000	26.092	-6.535
50.000	265.000	24.354	-6.900
50.000	260.000	25.848	-6.584
50.000	255.000	21.088	-6.834
50.000	250.000	25.024	-6.739
50.000	245.000	27.070	-6.243
50.000	240.000	27.894	-6.086
50.000	235.000	27.466	-6.443
50.000	230.000	28.260	-7.406
50.000	225.000	30.242	-6.509
50.000	220.000	31.188	-6.698
50.000	215.000	31.434	-6.208
50.000	210.000	31.220	-6.303
50.000	205.000	33.814	-6.548
50.000	200.000	39.794	-6.542
50.000	195.000	37.628	-7.132
50.000	190.000	33.814	-6.798
50.000	185.000	34.698	-7.115
50.000	180.000	34.882	-6.717
50.000	175.000	35.340	-6.619
50.000	170.000	38.024	-6.950
50.000	165.000	37.568	-7.248
50.000	160.000	32.990	-6.482
50.000	155.000	36.042	-7.656
50.000	150.000	34.974	-7.084
50.000	145.000	26.062	-6.821
50.000	140.000	23.864	-6.726
50.000	135.000	23.010	-6.667
50.000	130.000	24.170	-6.866
50.000	125.000	24.322	-6.316
50.000	120.000	27.070	-6.768
50.000	115.000	24.566	-6.917
50.000	110.000	24.566	-6.858
50.000	105.000	24.048	-6.562
50.000	100.000	20.722	-6.750
50.000	95.000	21.882	-6.391
50.000	90.000	24.140	-7.125
50.000	85.000	23.560	-7.114

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
50.000	80.000	24.262	-6.436
50.000	75.000	19.622	-6.550
50.000	70.000	18.982	-6.347
50.000	65.000	19.410	-6.413
50.000	60.000	24.932	-6.535
50.000	55.000	24.566	-6.979
50.000	50.000	22.674	-6.413
50.000	45.000	24.566	-6.838
50.000	40.000	25.422	-6.202
50.000	35.000	27.436	-5.941
50.000	30.000	34.698	-6.132
50.000	25.000	31.738	-6.334
50.000	20.000	27.802	-6.950
50.000	15.000	27.008	-6.307
50.000	10.000	27.588	-6.634
50.000	5.000	27.770	-5.800
50.000	0.000	26.734	-5.849
60.000	0.000	326.540	-4.786
60.000	5.000	24.598	-2.540
60.000	10.000	22.338	-3.876
60.000	15.000	25.390	-5.954
60.000	20.000	24.688	-5.566
60.000	25.000	23.498	-6.524
60.000	30.000	24.688	-5.502
60.000	35.000	24.506	-5.666
60.000	40.000	28.016	-5.430
60.000	45.000	27.222	-6.498
60.000	50.000	27.770	-6.588
60.000	55.000	26.734	-6.404
60.000	60.000	27.618	-6.108
60.000	65.000	29.968	-6.384
60.000	70.000	24.078	-6.149
60.000	75.000	27.648	-5.921
60.000	80.000	26.794	-6.548
60.000	85.000	28.718	-6.325
60.000	90.000	27.222	3.306
60.000	95.000	23.406	-6.564
60.000	100.000	23.406	-6.366
60.000	105.000	26.824	-6.346
60.000	110.000	28.900	-6.645
60.000	115.000	29.510	-6.924
60.000	120.000	28.626	-6.125
60.000	125.000	27.954	-7.126
60.000	130.000	25.116	-6.382
60.000	135.000	23.896	-6.410
60.000	140.000	22.126	-6.211
60.000	145.000	230.720	-5.414
60.000	150.000	210.260	-5.855
60.000	155.000	-6368.100	12.423
60.000	160.000	-7236.940	4.930

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
60.000	165.000	19.226	-5.443
60.000	170.000	17.090	-6.371
60.000	175.000	17.426	-5.699
60.000	180.000	20.202	-5.509
60.000	185.000	20.508	-6.283
60.000	190.000	26.062	-6.641
60.000	195.000	24.048	-6.064
60.000	200.000	27.954	-6.382
60.000	205.000	23.774	-8.036
60.000	210.000	25.726	-5.561
60.000	215.000	22.918	-6.867
60.000	220.000	23.072	-6.796
60.000	225.000	21.636	-6.777
60.000	230.000	24.292	-6.592
60.000	235.000	22.522	-7.152
60.000	240.000	21.240	-6.406
60.000	245.000	20.600	-7.393
60.000	250.000	21.270	-6.785
60.000	255.000	19.836	-6.676
60.000	260.000	19.410	-6.917
60.000	265.000	20.324	-6.849
60.000	270.000	19.318	-6.599
60.000	275.000	21.058	-6.807
60.000	280.000	20.264	-7.349
60.000	285.000	22.004	-7.393
60.000	290.000	21.484	-6.500
60.000	295.000	22.126	-6.910
60.000	300.000	23.896	-6.654

APPENDIX D.4.

ELECTROMAGNETIC (EM-31) VERTICAL DIPOLE DATA FOR MIAMI-ERIE CANAL SURVEY

MOUND CANAL EM31 SURVEY
VERTICAL DIPOLE

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
0.000	0.000	19.074	-4.966
0.000	5.000	46.478	-3.672
0.000	10.000	56.274	-4.335
0.000	15.000	59.234	-4.352
0.000	20.000	56.916	-4.317
0.000	25.000	50.842	-4.482
0.000	30.000	46.204	-4.264
0.000	35.000	44.158	-4.653
0.000	40.000	45.776	-5.065
0.000	45.000	46.722	-5.137
0.000	50.000	45.472	-4.470
0.000	55.000	42.816	-5.511
0.000	60.000	37.934	-5.502
0.000	65.000	41.900	-5.291
0.000	70.000	40.588	-5.752
0.000	75.000	45.380	-5.873
0.000	80.000	57.740	-6.325
0.000	85.000	72.510	-6.118
0.000	90.000	-32.469	-3.203
0.000	95.000	-27.130	-3.962
0.000	100.000	64.270	-6.053
0.000	105.000	46.508	-5.800
0.000	110.000	37.018	-5.177
0.000	115.000	27.558	-6.608
0.000	120.000	31.860	-4.300
0.000	125.000	29.480	-7.082
0.000	130.000	31.402	-4.898
0.000	135.000	28.930	-5.144
0.000	140.000	28.320	-5.069
0.000	145.000	28.106	-5.206
0.000	150.000	30.762	-5.713
0.000	155.000	32.532	-5.585
0.000	160.000	28.778	-5.785
0.000	165.000	27.344	-5.447
0.000	170.000	25.970	-4.982
0.000	175.000	25.756	-5.230
0.000	180.000	29.694	-5.339
0.000	185.000	27.924	-5.300
0.000	190.000	26.612	-5.397
0.000	195.000	26.948	-5.142
0.000	200.000	26.612	-5.745
0.000	205.000	28.106	-5.340
0.000	210.000	27.252	-5.208
0.000	215.000	28.992	-5.298
0.000	220.000	26.520	-6.410
0.000	225.000	27.894	-5.443
0.000	230.000	23.774	-5.434
0.000	235.000	26.276	-5.759

	LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
	0.000	240.000	28.382	-5.759
	0.000	245.000	29.754	-5.511
	0.000	250.000	31.556	-5.958
	0.000	255.000	29.388	-5.306
	0.000	260.000	28.870	-5.816
	0.000	265.000	26.948	-6.042
	0.000	270.000	23.498	-5.949
	0.000	275.000	24.506	-5.238
	0.000	280.000	27.526	-5.633
	0.000	285.000	30.242	-5.710
	0.000	290.000	22.674	-5.419
	0.000	295.000	26.824	-5.614
	0.000	300.000	26.916	-5.802
LINE	10			
	10.000	300.000	24.354	-5.250
	10.000	295.000	26.214	-5.050
	10.000	290.000	21.302	-5.761
	10.000	285.000	21.088	-4.870
	10.000	280.000	24.078	-5.362
	10.000	275.000	25.818	-4.951
	10.000	270.000	22.308	-4.857
	10.000	265.000	23.040	-4.938
	10.000	260.000	21.210	-5.217
	10.000	255.000	24.140	-5.471
	10.000	250.000	21.912	-5.879
	10.000	245.000	-2.686	-11.599
	10.000	240.000	24.964	-4.493
	10.000	235.000	24.902	-4.525
	10.000	230.000	26.580	-4.767
	10.000	225.000	24.536	-5.469
	10.000	220.000	23.926	-4.830
	10.000	215.000	24.354	-5.769
	10.000	210.000	23.896	-5.588
	10.000	205.000	23.468	-5.344
	10.000	200.000	22.980	-5.982
	10.000	195.000	23.406	-5.418
	10.000	190.000	25.146	-3.933
	10.000	185.000	23.498	-5.186
	10.000	180.000	25.666	-4.661
	10.000	175.000	6.408	-19.847
	10.000	170.000	25.390	-4.324
	10.000	165.000	19.104	-7.564
	10.000	160.000	25.116	-5.230
	10.000	155.000	23.468	-6.125
	10.000	150.000	24.566	-5.791
	10.000	145.000	24.566	-7.152
	10.000	140.000	26.824	-4.850
	10.000	135.000	29.358	-4.497
	10.000	130.000	-5.310	-21.389
	10.000	125.000	-20.356	-31.767
	10.000	120.000	5.280	-12.451

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
10.000	115.000	35.034	-3.874
10.000	110.000	38.146	-5.054
10.000	105.000	46.722	-5.078
10.000	100.000	45.318	-5.484
10.000	95.000	-6.743	-5.318
10.000	90.000	-1.618	-4.223
10.000	85.000	40.374	-5.041
10.000	80.000	52.368	-5.792
10.000	75.000	43.854	-5.105
10.000	70.000	38.056	-5.596
10.000	65.000	34.332	-5.309
10.000	60.000	34.424	-4.804
10.000	55.000	33.782	-5.046
10.000	50.000	37.262	-4.074
10.000	45.000	39.216	-3.659
10.000	40.000	40.406	-1.587
10.000	35.000	42.480	-0.657
10.000	30.000	47.912	-0.521
10.000	25.000	46.752	-3.863
10.000	20.000	53.650	-3.029
10.000	15.000	65.368	-3.826
10.000	10.000	76.110	-4.291
10.000	5.000	59.844	-3.808
10.000	0.000	-4.271	-7.788
LINE 20			
20.000	0.000	2.442	-3.915
20.000	5.000	47.882	-3.633
20.000	10.000	62.562	-2.821
20.000	15.000	58.960	0.548
20.000	20.000	58.320	14.854
20.000	25.000	31.616	-18.443
20.000	30.000	51.362	15.576
20.000	35.000	34.576	19.023
20.000	40.000	62.470	35.479
20.000	45.000	40.406	10.486
20.000	50.000	34.088	-2.097
20.000	55.000	32.562	-4.120
20.000	60.000	33.600	-5.103
20.000	65.000	35.186	-4.727
20.000	70.000	34.302	-5.464
20.000	75.000	40.802	-4.710
20.000	80.000	44.678	-5.524
20.000	85.000	45.350	-4.912
20.000	90.000	-22.795	-4.198
20.000	95.000	-18.218	-3.700
20.000	100.000	44.464	-5.239
20.000	105.000	45.258	-4.644
20.000	110.000	35.676	-5.355
20.000	115.000	28.594	-5.260
20.000	120.000	26.032	-4.817
20.000	125.000	25.268	-4.624

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
20.000	130.000	25.604	-4.482
20.000	135.000	23.530	-4.407
20.000	140.000	22.950	-5.232
20.000	145.000	24.476	-4.234
20.000	150.000	22.980	-4.120
20.000	155.000	22.400	-4.210
20.000	160.000	22.706	-4.714
20.000	165.000	24.658	-4.640
20.000	170.000	22.828	-3.562
20.000	175.000	23.498	-3.801
20.000	180.000	22.918	-3.973
20.000	185.000	22.522	-4.721
20.000	190.000	19.318	-4.883
20.000	195.000	20.356	-5.421
20.000	200.000	20.844	-5.462
20.000	205.000	22.552	-5.192
20.000	210.000	23.194	-5.171
20.000	215.000	22.094	-5.592
20.000	220.000	20.966	-5.045
20.000	225.000	18.952	-4.775
20.000	230.000	21.484	-5.763
20.000	235.000	20.538	-5.050
20.000	240.000	19.714	-4.809
20.000	245.000	23.254	-4.611
20.000	250.000	21.882	-4.563
20.000	255.000	22.584	-5.287
20.000	260.000	21.424	-5.348
20.000	265.000	20.446	-4.859
20.000	270.000	20.812	-4.859
20.000	275.000	23.132	-4.514
20.000	280.000	24.872	-4.699
20.000	285.000	23.468	-4.988
20.000	290.000	22.064	-5.238
20.000	295.000	23.712	-4.956
20.000	300.000	22.400	-5.247
LINE 30			
30.000	300.000	22.186	-4.883
30.000	295.000	20.966	-4.269
30.000	290.000	21.790	-5.063
30.000	285.000	22.460	-3.643
30.000	280.000	23.376	-4.523
30.000	275.000	22.614	-4.425
30.000	270.000	24.658	-5.175
30.000	265.000	21.760	-4.675
30.000	260.000	22.064	-4.683
30.000	255.000	21.972	-4.732
30.000	250.000	21.546	-5.054
30.000	245.000	21.484	-5.609
30.000	240.000	23.438	-5.035
30.000	235.000	23.346	-4.786
30.000	230.000	22.888	-5.559

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
30.000	225.000	24.048	-4.958
30.000	220.000	22.216	-4.611
30.000	215.000	23.162	-5.105
30.000	210.000	22.400	-4.561
30.000	205.000	26.490	-3.286
30.000	200.000	19.196	-7.959
30.000	195.000	27.070	-5.091
30.000	190.000	25.268	-4.797
30.000	185.000	23.530	-5.285
30.000	180.000	22.216	-4.817
30.000	175.000	25.116	-4.708
30.000	170.000	26.124	-4.686
30.000	165.000	25.054	-4.390
30.000	160.000	24.262	-6.239
30.000	155.000	27.070	-3.547
30.000	150.000	27.070	-5.219
30.000	145.000	26.520	-3.350
30.000	140.000	23.986	-4.400
30.000	135.000	25.818	-4.218
30.000	130.000	23.926	-4.697
30.000	125.000	26.948	-4.258
30.000	120.000	25.086	-4.653
30.000	115.000	28.350	-4.684
30.000	110.000	37.322	-5.125
30.000	105.000	44.770	-5.752
30.000	100.000	39.826	-4.765
30.000	95.000	-18.494	-3.437
30.000	90.000	-17.700	-4.286
30.000	85.000	42.572	-4.980
30.000	80.000	44.006	-4.890
30.000	75.000	31.738	-4.741
30.000	70.000	29.664	-4.543
30.000	65.000	32.898	-3.819
30.000	60.000	31.646	-3.714
30.000	55.000	30.792	-2.728
30.000	50.000	34.668	1.297
30.000	45.000	44.648	28.659
30.000	40.000	96.038	39.841
30.000	35.000	12.696	-32.474
30.000	30.000	-15.930	-32.474
30.000	25.000	-58.808	-32.476
30.000	20.000	66.406	31.711
30.000	15.000	62.286	2.556
30.000	10.000	57.770	-1.827
30.000	5.000	23.864	-3.988
30.000	0.000	6.104	-4.389
LINE 40			
40.000	0.000	17.730	-4.545
40.000	5.000	20.600	-3.869
40.000	10.000	57.708	-2.535
40.000	15.000	56.060	-2.167

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
40.000	20.000	51.270	-0.920
40.000	25.000	47.364	2.473
40.000	30.000	45.440	5.420
40.000	35.000	39.490	5.652
40.000	40.000	34.424	3.001
40.000	45.000	38.238	-0.389
40.000	50.000	33.204	-2.834
40.000	55.000	30.762	-3.317
40.000	60.000	28.626	-3.446
40.000	65.000	29.876	-3.997
40.000	70.000	32.806	-3.916
40.000	75.000	37.354	-4.333
40.000	80.000	44.128	-4.381
40.000	85.000	36.408	-4.266
40.000	90.000	4.302	-2.954
40.000	95.000	4.822	-2.610
40.000	100.000	35.614	-4.341
40.000	105.000	38.604	-4.644
40.000	110.000	35.308	-4.027
40.000	115.000	38.910	-4.352
40.000	120.000	33.538	-3.885
40.000	125.000	33.538	-3.885
40.000	130.000	33.538	-5.368
40.000	135.000	38.116	-5.372
40.000	140.000	33.356	-4.062
40.000	145.000	43.976	-8.098
40.000	150.000	29.816	-4.166
40.000	155.000	26.856	-4.686
40.000	160.000	25.360	-3.869
40.000	165.000	28.900	-4.361
40.000	170.000	30.334	-3.657
40.000	175.000	26.550	-3.578
40.000	180.000	25.788	-3.735
40.000	185.000	21.820	-3.286
40.000	190.000	25.696	-4.124
40.000	195.000	30.732	-4.418
40.000	200.000	31.098	-4.152
40.000	205.000	26.612	-3.959
40.000	210.000	23.712	-4.108
40.000	215.000	23.652	-4.091
40.000	220.000	27.404	-5.100
40.000	225.000	28.076	-4.767
40.000	230.000	29.602	-4.824
40.000	235.000	27.222	-4.495
40.000	240.000	24.842	-4.304
40.000	245.000	22.858	-4.980
40.000	250.000	31.342	-0.574
40.000	255.000	27.344	-4.284
40.000	260.000	31.556	-1.666
40.000	265.000	24.566	-4.451
40.000	270.000	23.804	-4.462

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
40.000	275.000	26.184	-5.157
40.000	280.000	22.858	-5.017
40.000	285.000	22.888	-4.558
40.000	290.000	23.530	-4.729
40.000	295.000	22.858	-4.909
40.000	300.000	23.316	-5.245
LINE 50			
50.000	300.000	30.762	-3.538
50.000	295.000	26.702	-4.414
50.000	290.000	27.588	-3.257
50.000	285.000	25.544	-3.534
50.000	280.000	28.534	-3.630
50.000	275.000	24.414	-3.538
50.000	270.000	-476.898	-4.096
50.000	265.000	29.052	-3.639
50.000	260.000	26.550	-4.368
50.000	255.000	25.512	-3.597
50.000	250.000	26.428	-3.815
50.000	245.000	27.526	-3.861
50.000	240.000	29.908	-3.843
50.000	235.000	30.976	-3.600
50.000	230.000	31.890	-3.152
50.000	225.000	29.480	-3.224
50.000	220.000	30.364	-3.595
50.000	215.000	31.098	-3.779
50.000	210.000	32.012	-3.360
50.000	205.000	35.736	-3.345
50.000	200.000	37.750	-4.394
50.000	195.000	36.164	-3.121
50.000	190.000	36.072	-2.586
50.000	185.000	32.898	-3.209
50.000	180.000	34.150	-3.512
50.000	175.000	33.356	-2.845
50.000	170.000	37.536	-3.117
50.000	165.000	36.072	-2.733
50.000	160.000	33.722	-2.200
50.000	155.000	327.460	-2.937
50.000	150.000	34.974	-3.180
50.000	145.000	31.556	-3.327
50.000	140.000	32.226	-2.397
50.000	135.000	32.624	-2.434
50.000	130.000	32.654	-2.731
50.000	125.000	35.462	-3.426
50.000	120.000	40.954	-2.669
50.000	115.000	39.886	-3.156
50.000	110.000	38.544	-3.525
50.000	105.000	36.926	-3.420
50.000	100.000	32.166	-2.841
50.000	95.000	24.658	-3.584
50.000	90.000	29.236	-2.930
50.000	85.000	37.872	-3.069

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
50.000	80.000	39.642	-2.559
50.000	75.000	38.910	-2.373
50.000	70.000	32.776	-1.627
50.000	65.000	31.982	-2.311
50.000	60.000	32.684	-2.478
50.000	55.000	34.180	-2.549
50.000	50.000	36.010	-1.814
50.000	45.000	372.920	-1.610
50.000	40.000	37.964	-2.612
50.000	35.000	38.238	-1.590
50.000	30.000	43.152	-2.281
50.000	25.000	47.272	-2.149
50.000	20.000	44.708	-1.555
50.000	15.000	47.546	-2.641
50.000	10.000	39.490	-1.133
50.000	5.000	30.548	-1.609
50.000	0.000	31.312	-1.327
LINE 60			
60.000	0.000	381.460	-0.455
60.000	5.000	62.164	-0.102
60.000	10.000	66.162	-0.183
60.000	15.000	64.514	-1.794
60.000	20.000	57.342	-0.242
60.000	25.000	55.694	1.194
60.000	30.000	45.746	0.634
60.000	35.000	47.210	1.413
60.000	40.000	48.126	1.123
60.000	45.000	52.308	1.450
60.000	50.000	52.642	0.970
60.000	55.000	46.082	0.597
60.000	60.000	46.570	0.766
60.000	65.000	44.342	0.160
60.000	70.000	50.782	0.810
60.000	75.000	47.120	-0.017
60.000	80.000	47.668	0.380
60.000	85.000	43.458	-1.377
60.000	90.000	42.968	2.835
60.000	95.000	43.946	-0.548
60.000	100.000	41.138	0.193
60.000	105.000	47.210	0.717
60.000	110.000	44.708	-0.502
60.000	115.000	47.760	-0.069
60.000	120.000	49.408	0.437
60.000	125.000	45.562	0.241
60.000	130.000	46.600	0.503
60.000	135.000	41.352	-0.534
60.000	140.000	39.734	0.415
60.000	145.000	404.060	0.200
60.000	150.000	472.100	-0.003
60.000	155.000	-3782.340	15.510
60.000	160.000	-6408.380	5.707

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
60.000	165.000	43.244	-0.978
60.000	170.000	43.702	-0.060
60.000	175.000	44.952	-0.745
60.000	180.000	44.708	-1.638
60.000	185.000	43.152	-0.229
60.000	190.000	26.794	-7.149
60.000	195.000	37.598	-0.094
60.000	200.000	37.354	-3.646
60.000	205.000	43.824	-0.627
60.000	210.000	40.924	-0.407
60.000	215.000	40.986	-0.723
60.000	220.000	39.428	-0.967
60.000	225.000	37.476	-0.793
60.000	230.000	36.316	-1.179
60.000	235.000	36.652	-1.177
60.000	240.000	32.410	-0.927
60.000	245.000	36.560	-1.006
60.000	250.000	36.682	-2.355
60.000	255.000	33.936	-1.632
60.000	260.000	31.922	-0.479
60.000	265.000	34.028	-1.182
60.000	270.000	35.920	-0.789
60.000	275.000	35.644	-0.896
60.000	280.000	36.744	-1.428
60.000	285.000	40.802	-0.712
60.000	290.000	33.172	-0.982
60.000	295.000	36.132	-0.820
60.000	300.000	37.720	-0.921

APPENDIX D.5.

MOBILE MAGNETOMETER/GRADIOMETER DATA FOR AREA J SURVEY

Gem Systems GSM-19 13 II 92 ID 000000001
06 VII92

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
082730	0000W	000330N	054754.09	0045.92	052482.54
082745	0000W	000325N	054770.20	0037.50	052498.66
082755	0000W	000320N	054775.01	0032.35	052503.38
082810	0000W	000315N	054785.06	0020.78	052513.40
082820	0000W	000310N	054810.53	0031.92	052539.00
082835	0000W	000305N	054833.23	0025.98	052561.73
082850	0000W	000300N	054845.36	0022.92	052573.72
082905	0000W	000295N	054866.55	0018.00	052595.13
082915	0000W	000290N	054881.85	0019.41	052610.44
082930	0000W	000285N	054897.57	0019.25	052626.03
082940	0000W	000280N	054905.97	0016.98	052634.49
082955	0000W	000275N	054916.71	0017.60	052645.22
083005	0000W	000270N	054920.37	0015.48	052648.93
083020	0000W	000265N	054924.20	0011.25	052652.77
083030	0000W	000260N	054929.91	0011.05	052658.28
083040	0000W	000255N	054936.04	0008.14	052664.34
083050	0000W	000250N	054945.12	0007.25	052673.76
083100	0000W	000245N	054952.14	0006.76	052680.48
083110	0000W	000240N	054954.56	0005.10	052683.01
083120	0000W	000235N	054956.68	-0002.07	052685.21
083130	0000W	000230N	054962.18	0000.80	052690.71
083155	0000W	000225N	054953.29	0003.66	052682.27
083205	0000W	000220N	054878.16	-0046.07	052611.45
083240	0000W	000215N	054819.61	-0116.67	052547.94
083255	0000W	000210N	055044.57	0026.41	052772.86
083310	0000W	000205N	055293.05	0190.96	053021.44
083330	0000W	000200N	055252.57	0134.98	052982.71
083345	0000W	000195N	055081.59	0018.53	052810.49
083405	0000W	000190N	054966.11	-0071.23	052694.82
083420	0000W	000185N	055037.88	-0007.44	052766.71
083440	0000W	000180N	055073.31	0012.35	052802.51
083450	0000W	000175N	055089.96	0018.19	052819.26
083505	0000W	000170N	055089.83	0016.19	052819.38
083520	0000W	000165N	055089.26	0016.23	052818.85
083530	0000W	000160N	055078.23	0009.10	052807.88
083745	0010W	000100N	055234.63	0009.42	052965.42
083800	0010W	000105N	055221.96	0000.89	052952.58
083810	0010W	000110N	055218.40	0008.21	052949.08
083820	0010W	000115N	055194.34	0002.44	052925.00
083840	0010W	000120N	055176.36	-0002.57	052906.74
083855	0010W	000125N	055162.45	-0004.78	052892.96
083910	0010W	000130N	055153.23	-0004.71	052883.85
083920	0010W	000135N	055139.09	-0005.75	052869.48
083930	0010W	000140N	055112.55	-0021.33	052842.88
083945	0010W	000145N	055099.07	-0023.26	052829.42
083955	0010W	000150N	055080.03	-0029.07	052810.43
084005	0010W	000155N	055040.03	-0050.35	052770.39
084020	0010W	000160N	055035.58	-0045.57	052765.92

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
084035	0010W	000165N	055060.53	-0021.71	052791.17
084045	0010W	000170N	055077.21	-0018.80	052807.56
084100	0010W	000175N	055122.96	-0004.00	052853.13
084110	0010W	000180N	055213.18	0046.60	052943.30
084150	0010W	000185N	055290.79	0103.35	053020.83
084205	0010W	000190N	055258.44	0074.28	052988.60
084215	0010W	000195N	055212.80	0043.80	052942.83
084225	0010W	000200N	055202.33	0054.82	052932.43
084240	0010W	000205N	055150.89	0069.92	052880.90
084250	0010W	000210N	054981.18	-0042.14	052711.03
084305	0010W	000215N	054900.05	-0109.91	052630.04
084315	0010W	000220N	055164.13	0109.23	052893.87
084330	0010W	000225N	055261.84	0171.48	052991.65
084340	0010W	000230N	055071.99	0005.17	052801.81
084350	0010W	000235N	055028.19	-0003.23	052758.05
084400	0010W	000240N	055056.94	0035.35	052786.72
084415	0010W	000245N	055037.62	0013.94	052767.42
084425	0010W	000250N	055022.92	0012.01	052752.73
084440	0010W	000255N	054993.15	0005.12	052723.08
084450	0010W	000260N	054967.15	-0002.53	052697.06
084505	0010W	000265N	054951.66	-0000.51	052681.40
084515	0010W	000270N	054945.29	0001.66	052675.16
084525	0010W	000275N	054940.42	0004.85	052671.52
084540	0010W	000280N	054934.48	0004.26	052664.36
084555	0010W	000285N	054928.65	0010.30	052658.51
084605	0010W	000290N	054918.31	0009.08	052648.14
084620	0010W	000295N	054906.09	0008.00	052636.09
084635	0010W	000300N	054896.91	0011.55	052636.13
084650	0010W	000305N	054892.50	0022.44	052622.45
084700	0010W	000310N	054877.02	0018.25	052607.13
084710	0010W	000315N	054863.78	0021.17	052593.99
084720	0010W	000320N	054847.89	0021.67	052578.05
084735	0010W	000325N	054832.60	0018.16	052563.97
084745	0010W	000330N	054830.07	0025.41	052560.54
085000	0020W	000330N	054915.58	0023.89	052645.96
085015	0020W	000325N	054919.10	0024.76	052649.27
085025	0020W	000320N	054925.37	0023.98	052655.67
085040	0020W	000315N	054932.25	0025.26	052662.59
085050	0020W	000310N	054941.12	0026.57	052671.41
085100	0020W	000305N	054949.67	0023.03	052679.99
085110	0020W	000300N	054956.63	0018.58	052687.02
085120	0020W	000295N	054971.44	0020.17	052701.88
085130	0020W	000290N	054985.14	0023.71	052716.55
085140	0020W	000285N	054993.98	0020.78	052724.43
085150	0020W	000280N	055001.25	0019.51	052731.68
085200	0020W	000275N	055005.89	0019.33	052736.37
085210	0020W	000270N	054999.27	0007.17	052729.67
085220	0020W	000265N	054999.30	-0000.80	052730.29
085235	0020W	000260N	055012.75	-0001.25	052743.35
085245	0020W	000255N	055070.19	0029.98	052800.73
085255	0020W	000250N	055164.06	0103.73	052894.71

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
085310	0020W	000245N	055135.71	0063.44	052866.40
085320	0020W	000240N	055076.58	0008.26	052807.26
085330	0020W	000235N	055074.43	0009.55	052805.02
085340	0020W	000230N	055084.35	0004.25	052815.03
085350	0020W	000225N	055121.44	0041.51	052852.02
085400	0020W	000220N	055054.29	0019.12	052785.02
085410	0020W	000215N	054883.11	-0047.62	052614.07
085420	0020W	000210N	054774.18	-0138.64	052507.00
085430	0020W	000205N	054903.93	-0074.82	052635.78
085440	0020W	000200N	055116.16	0025.89	052848.66
085450	0020W	000195N	055173.38	0013.62	052904.44
085500	0020W	000190N	055224.27	0017.76	052955.34
085510	0020W	000185N	055295.83	0076.85	053026.99
085520	0020W	000180N	055256.74	0062.64	052987.99
085530	0020W	000175N	055131.43	-0009.94	052862.75
085540	0020W	000170N	055059.89	-0049.85	052791.52
085550	0020W	000165N	055060.11	-0055.73	052791.81
085600	0020W	000160N	055111.63	-0036.23	052843.21
085610	0020W	000155N	055207.07	0003.82	052938.55
085620	0020W	000150N	055230.48	0009.83	052962.12
085630	0020W	000145N	055218.23	-0004.58	052949.76
085640	0020W	000140N	055191.42	-0024.33	052923.06
085650	0020W	000135N	055178.77	-0019.10	052910.48
085700	0020W	000130N	055152.36	-0031.30	052884.00
085710	0020W	000125N	055141.10	-0036.66	052872.79
085725	0020W	000120N	055144.87	-0046.80	052876.60
085740	0020W	000115N	055206.85	0003.46	052939.11
085750	0020W	000110N	055226.06	0007.05	052958.01
085800	0020W	000105N	055243.04	0005.85	052974.74
085810	0020W	000100N	055282.52	0038.78	053014.23
085820	0020W	000095N	055276.24	0032.25	053008.06
085830	0020W	000090N	055236.90	0006.75	052968.85
085840	0020W	000085N	055190.79	-0021.39	052922.86
085850	0020W	000080N	055179.76	-0019.75	052911.91
085910	0020W	000075N	055191.45	-0004.16	052923.59
085920	0020W	000070N	055201.07	0003.33	052933.24
085930	0020W	000065N	055210.67	0011.19	052942.80
085940	0020W	000060N	055213.27	0020.66	052945.49
085955	0020W	000055N	055185.80	0005.62	052917.99
090005	0020W	000050N	055164.53	-0008.83	052896.61
090545	0030W	000000N	055150.26	-0018.62	052883.81
090615	0030W	000005N	055158.12	-0019.58	052891.74
090635	0030W	000010N	055174.98	-0013.30	052908.95
090705	0030W	000015N	055191.44	-0010.16	052925.71
090725	0030W	000020N	055207.74	-0011.62	052942.15
090740	0030W	000025N	055223.20	-0012.57	052957.69
090755	0030W	000030N	055234.47	-0007.73	052968.85
090815	0030W	000035N	055219.42	-0016.64	052954.14
090830	0030W	000040N	055177.36	-0030.92	052912.06
090845	0030W	000045N	055141.66	-0040.48	052876.98
090905	0030W	000050N	055151.69	-0028.33	052887.20

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
090925	0030W	000055N	055196.63	-0002.07	052931.57
090945	0030W	000060N	055216.46	0006.64	052951.26
091000	0030W	000065N	055213.68	-0000.87	052948.61
091015	0030W	000070N	055204.14	-0009.96	052939.25
091035	0030W	000075N	055202.39	-0014.60	052937.51
091050	0030W	000080N	055210.10	-0014.96	052945.68
091105	0030W	000085N	055235.05	-0009.25	052970.12
091120	0030W	000090N	055270.63	0009.41	053006.03
091140	0030W	000095N	055270.98	0004.53	053006.51
091155	0030W	000100N	055223.75	-0036.21	052958.94
091215	0030W	000105N	055181.50	-0057.03	052916.95
091235	0030W	000110N	055209.23	-0026.96	052944.61
091320	0030W	000115N	055242.80	0010.51	052977.98
091350	0030W	000120N	055171.15	-0092.07	052906.64
091435	0030W	000125N	055165.80	-0074.32	052901.15
091500	0030W	000130N	055255.95	-0023.67	052992.73
091525	0030W	000135N	055360.54	0004.39	053096.20
091540	0030W	000140N	055429.01	0033.80	053164.22
091600	0030W	000145N	055476.47	0068.51	053211.75
091615	0030W	000150N	055530.27	0127.19	053265.95
091630	0030W	000155N	055465.79	0115.08	053200.79
091645	0030W	000160N	055302.98	0020.01	053037.89
091700	0030W	000165N	055134.59	-0069.07	052870.00
091715	0030W	000170N	055059.06	-0087.26	052794.47
091740	0030W	000175N	055122.13	-0037.94	052860.31
091755	0030W	000180N	055218.07	0017.17	052953.54
091810	0030W	000185N	055268.53	0040.28	053004.01
091825	0030W	000190N	055263.62	0037.14	052999.20
091840	0030W	000195N	055290.15	0093.83	053025.73
091855	0030W	000200N	055252.24	0137.82	052987.97
091925	0030W	000205N	054813.08	-0148.50	052548.77
091940	0030W	000210N	054419.12	-0434.19	052154.82
092000	0030W	000215N	054532.70	-0291.21	052268.56
092015	0030W	000220N	054805.77	-0169.85	052541.74
092035	0030W	000225N	055010.35	-0048.30	052746.41
092105	0030W	000230N	055197.41	0044.89	052933.61
092130	0030W	000235N	055117.42	-0003.07	052853.87
092140	0030W	000240N	055063.07	-0018.83	052803.53
092155	0030W	000245N	055014.97	-0039.78	052751.30
092210	0030W	000250N	054999.30	-0038.60	052735.50
092230	0030W	000255N	055012.40	-0023.00	052748.74
092245	0030W	000260N	055033.10	-0006.67	052769.41
092300	0030W	000265N	055074.04	0023.60	052810.53
092315	0030W	000270N	055071.44	0018.73	052808.06
092330	0030W	000275N	055042.71	-0004.85	052779.19
092345	0030W	000280N	055037.52	-0001.87	052774.25
092405	0030W	000285N	055031.18	0005.53	052768.52
092420	0030W	000290N	055025.73	0010.85	052762.53
092435	0030W	000295N	055013.71	0013.67	052750.70
092450	0030W	000300N	054988.56	0005.44	052725.63
092505	0030W	000305N	054971.49	0003.76	052708.51

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
092520	0030W	000310N	054957.09	-0004.07	052694.16
092535	0030W	000315N	054969.99	0003.41	052707.22
092550	0030W	000320N	054986.53	0009.80	052723.95
092605	0030W	000325N	055001.90	0017.50	052739.10
092620	0030W	000330N	055007.19	0019.32	052744.69
092730	0040W	000330N	055152.94	0059.23	052890.15
092750	0040W	000325N	055182.97	0076.58	052920.26
092810	0040W	000320N	055147.74	0062.03	052885.03
092830	0040W	000315N	055025.94	-0022.08	052763.24
092845	0040W	000310N	054957.32	-0050.87	052694.87
092905	0040W	000305N	054984.61	-0021.62	052722.03
092920	0040W	000300N	055010.01	-0005.30	052747.66
092940	0040W	000295N	055044.53	0008.89	052782.21
092955	0040W	000290N	055071.37	0017.28	052809.12
093015	0040W	000285N	055086.63	0016.37	052824.30
093030	0040W	000280N	055113.34	0028.33	052851.17
093050	0040W	000275N	055127.81	0032.69	052868.03
093105	0040W	000270N	055126.05	0026.01	052863.96
093120	0040W	000265N	055108.01	0018.10	052846.22
093130	0040W	000260N	055072.82	0000.10	052811.02
093145	0040W	000255N	055051.37	-0004.66	052789.66
093200	0040W	000250N	055029.14	-0018.69	052767.32
093215	0040W	000245N	055021.54	-0034.50	052759.92
093230	0040W	000240N	055072.67	-0021.55	052811.14
093245	0040W	000235N	055180.37	0013.58	052919.07
093255	0040W	000230N	055397.56	0144.89	053136.00
093310	0040W	000225N	055610.17	0323.85	053348.82
093325	0040W	000220N	055443.44	0202.46	053181.92
093340	0040W	000215N	055101.28	-0014.48	052839.73
093355	0040W	000210N	054983.41	-0059.60	052722.05
093410	0040W	000205N	055022.90	-0025.64	052761.57
093425	0040W	000200N	055104.83	-0004.51	052843.26
093440	0040W	000195N	055120.38	-0046.73	052859.08
093455	0040W	000190N	055207.36	-0011.21	052946.08
093520	0040W	000185N	055279.44	0041.42	053018.69
093535	0040W	000180N	055231.89	0008.57	052970.83
093555	0040W	000175N	055125.50	-0056.33	052864.02
093610	0040W	000170N	055062.39	-0110.08	052801.02
093625	0040W	000165N	055117.10	-0090.23	052856.33
093640	0040W	000160N	055272.22	-0013.21	053011.11
093655	0040W	000155N	055366.69	-0004.53	053105.30
093710	0040W	000150N	055475.24	0028.82	053213.93
093725	0040W	000145N	055590.25	0075.17	053329.02
093740	0040W	000140N	055707.98	0170.23	053446.67
093800	0040W	000135N	055689.91	0150.87	053428.73
093815	0040W	000130N	055551.92	0058.01	053290.81
093835	0040W	000125N	055429.98	0004.91	053169.13
093850	0040W	000120N	055387.62	0017.41	053126.43
093910	0040W	000115N	055336.29	0015.28	053075.14
093925	0040W	000110N	055279.27	-0020.07	053018.07
093940	0040W	000105N	055274.13	-0020.71	053013.04

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
093955	0040W	000100N	055339.73	0022.37	053078.71
094010	0040W	000095N	055392.86	0060.66	053131.84
094025	0040W	000090N	055348.38	0035.05	053087.23
094040	0040W	000085N	055286.02	0008.58	053024.99
094055	0040W	000080N	055254.42	0004.30	052993.32
094110	0040W	000075N	055229.88	-0006.28	052968.91
094120	0040W	000070N	055208.14	-0016.41	052947.27
094135	0040W	000065N	055210.15	-0014.55	052949.84
094150	0040W	000060N	055207.20	-0009.19	052948.38
094205	0040W	000055N	055186.74	-0020.96	052926.21
094220	0040W	000050N	055131.66	-0058.80	052870.97
094235	0040W	000045N	055100.03	-0091.35	052839.41
094250	0040W	000040N	055144.43	-0089.75	052883.81
094305	0040W	000035N	055367.27	0080.69	053106.74
094315	0040W	000030N	055495.38	0161.25	053234.90
094335	0040W	000025N	055376.20	0066.00	053116.17
094355	0040W	000020N	055273.33	0006.60	053013.04
094415	0040W	000015N	055225.71	-0005.53	052965.54
094430	0040W	000010N	055198.76	-0006.01	052938.65
094445	0040W	000005N	055173.18	-0013.03	052913.08
094500	0040W	000000N	055125.43	-0023.32	052865.80
101620	0050W	000000N	055152.32	-0018.66	052898.12
101635	0050W	000005N	055174.80	-0007.73	052921.60
101645	0050W	000010N	055211.64	-0001.96	052957.52
101700	0050W	000015N	055228.54	-0005.44	052974.52
101710	0050W	000020N	055273.75	0004.39	053019.96
101725	0050W	000025N	055356.05	0044.82	053105.94
101740	0050W	000030N	055410.47	0086.10	053157.72
101755	0050W	000035N	055348.14	0010.46	053094.28
101805	0050W	000040N	055364.79	0038.50	053110.99
101830	0050W	000045N	055659.48	0373.44	053405.73
101845	0050W	000050N	055313.06	0009.50	053059.34
101955	0050W	000055N	055236.90	-0019.10	052983.35
102010	0050W	000060N	055287.93	0044.91	053034.96
102020	0050W	000065N	055259.47	0004.46	053006.22
102035	0050W	000070N	055229.14	-0022.44	052975.68
102055	0050W	000075N	055233.96	-0014.01	052980.49
102110	0050W	000080N	055246.94	-0005.96	052993.42
102125	0050W	000085N	055261.73	-0009.10	053008.18
102135	0050W	000090N	055304.93	0009.01	053051.45
102155	0050W	000095N	055370.67	0048.12	053117.35
102210	0050W	000100N	055382.35	0049.58	053129.38
102225	0050W	000105N	055337.47	0006.76	053084.21
102235	0050W	000110N	055323.31	-0008.46	053070.07
102250	0050W	000115N	055335.07	-0026.96	053081.80
102300	0050W	000120N	055425.14	0007.32	053171.90
102315	0050W	000125N	055596.66	0090.57	053343.14
102330	0050W	000130N	055727.57	0150.05	053474.01
102345	0050W	000135N	055731.08	0134.19	053477.59
102400	0050W	000140N	055661.12	0088.05	053407.48
102415	0050W	000145N	055566.87	0046.23	053313.29

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
102435	0050W	000150N	055529.81	0044.03	053276.24
102450	0050W	000155N	055463.55	0020.19	053209.93
102505	0050W	000160N	055422.50	0010.91	053168.85
102520	0050W	000165N	055355.06	-0009.08	053101.43
102530	0050W	000170N	055251.44	-0052.21	052997.81
102545	0050W	000175N	055221.90	-0047.89	052968.28
102555	0050W	000180N	055267.76	-0012.62	053014.04
102605	0050W	000185N	055356.17	0058.71	053102.64
102620	0050W	000190N	055385.06	0101.98	053131.19
102635	0050W	000195N	055204.44	-0032.82	052950.64
102645	0050W	000200N	055135.17	-0064.19	052881.38
102655	0050W	000205N	055190.36	-0004.60	052936.54
102705	0050W	000210N	055207.38	0006.14	052953.47
102715	0050W	000215N	055187.78	-0026.62	052933.85
102730	0050W	000220N	055202.00	-0044.66	052948.18
102740	0050W	000225N	055288.18	0037.71	053034.21
102755	0050W	000230N	055271.28	0060.55	053017.37
102810	0050W	000235N	055083.14	-0086.03	052829.41
102825	0050W	000240N	055059.81	-0052.37	052807.34
102835	0050W	000245N	055046.65	-0039.71	052792.92
102850	0050W	000250N	055001.76	-0087.17	052747.82
102905	0050W	000255N	055006.88	-0097.64	052752.96
102915	0050W	000260N	055074.57	-0046.17	052820.78
102930	0050W	000265N	055147.23	0003.35	052893.50
102940	0050W	000270N	055159.58	0013.71	052905.95
102955	0050W	000275N	055154.55	0021.25	052900.91
103010	0050W	000280N	055121.24	0003.91	052867.83
103025	0050W	000285N	055093.50	-0005.08	052840.22
103035	0050W	000290N	055073.40	-0010.33	052819.99
103050	0050W	000295N	055068.85	-0009.98	052815.46
103105	0050W	000300N	055080.74	-0002.51	052827.37
103115	0050W	000305N	055085.30	0004.30	052831.90
103125	0050W	000310N	055101.67	0000.98	052848.35
103140	0050W	000315N	055167.97	0031.64	052915.73
103155	0050W	000320N	055248.38	0087.82	052995.17
103210	0050W	000325N	055245.31	0076.00	052992.12
103225	0050W	000330N	055189.48	0038.17	052935.84
103310	0060W	000330N	055191.14	0036.21	052937.69
103325	0060W	000325N	055209.77	0041.51	052956.21
103340	0060W	000320N	055254.65	0072.03	053001.31
103350	0060W	000315N	055274.92	0087.08	053021.50
103405	0060W	000310N	055265.96	0080.23	053012.47
103420	0060W	000305N	055237.02	0062.66	052983.64
103435	0060W	000300N	055187.62	0025.28	052934.50
103450	0060W	000295N	055164.05	0018.73	052910.96
103505	0060W	000290N	055147.27	0010.33	052894.14
103515	0060W	000285N	055138.88	0003.53	052885.79
103525	0060W	000280N	055135.99	-0009.21	052883.02
103540	0060W	000275N	055184.84	0001.28	052932.28
103550	0060W	000270N	055301.78	0078.37	053049.39
103605	0060W	000265N	055360.03	0088.46	053107.61

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
103620	0060W	000260N	055395.86	0127.01	053143.61
103635	0060W	000255N	055352.80	0111.26	053102.06
103645	0060W	000250N	055216.48	0009.69	052964.57
103705	0060W	000245N	055230.36	0030.12	052978.55
103720	0060W	000240N	055205.69	0016.48	052954.89
103735	0060W	000235N	055180.09	-0018.25	052928.62
103745	0060W	000230N	055213.46	-0005.00	052962.06
103800	0060W	000225N	055247.47	0002.53	052996.19
103810	0060W	000220N	055284.74	0020.48	053034.34
103825	0060W	000215N	055370.34	0071.85	053119.18
103835	0060W	000210N	055419.20	0102.16	053168.14
103845	0060W	000205N	055403.57	0081.64	053152.63
103900	0060W	000200N	055353.59	0047.05	053102.72
103910	0060W	000195N	055343.85	0034.55	053093.06
103920	0060W	000190N	055372.75	0059.01	053122.03
103930	0060W	000185N	055324.20	0013.51	053073.62
103940	0060W	000180N	055277.36	-0041.17	053026.70
103950	0060W	000175N	055353.01	-0033.41	053102.41
104000	0060W	000170N	055539.32	0069.28	053288.90
104010	0060W	000165N	055759.49	0190.51	053508.97
104020	0060W	000160N	055799.45	0200.26	053549.01
104035	0060W	000155N	055685.29	0102.05	053435.03
104050	0060W	000150N	055578.33	0036.41	053328.11
104110	0060W	000145N	055492.15	-0024.21	053242.02
104125	0060W	000140N	055484.55	-0033.60	053234.48
104140	0060W	000135N	055568.55	0027.23	053318.55
104150	0060W	000130N	055632.35	0088.23	053382.34
104200	0060W	000125N	055572.38	0067.67	053322.22
104210	0060W	000120N	055440.62	0008.33	053190.59
104220	0060W	000115N	055341.75	-0023.01	053091.67
104230	0060W	000110N	055316.61	-0014.60	053066.71
104240	0060W	000105N	055312.86	-0005.44	053063.03
104255	0060W	000100N	055310.87	0001.98	053061.08
104305	0060W	000095N	055299.74	0002.73	053049.99
104315	0060W	000090N	055279.04	-0002.66	053029.37
104330	0060W	000085N	055247.53	-0014.25	052997.96
104345	0060W	000080N	055239.84	-0014.32	052990.50
104400	0060W	000075N	055260.10	0001.17	053010.77
104410	0060W	000070N	055300.30	0032.71	053051.09
104425	0060W	000065N	055306.94	0034.41	053058.08
104440	0060W	000060N	055268.19	-0003.71	053019.14
104455	0060W	000055N	055258.89	-0018.28	053009.87
104510	0060W	000050N	055282.38	-0011.14	053033.34
104520	0060W	000045N	055298.08	-0006.83	053049.07
104530	0060W	000040N	055288.46	-0009.07	053039.42
104540	0060W	000035N	055252.53	-0019.55	053003.51
104550	0060W	000030N	055228.88	-0031.37	052979.94
104600	0060W	000025N	055243.95	-0004.48	052995.70
104610	0060W	000020N	055240.07	-0002.00	052991.22
104625	0060W	000015N	055222.04	-0005.32	052973.27
104635	0060W	000010N	055208.88	-0005.75	052960.19

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
104645	0060W	000005N	055195.30	-0007.92	052946.67
104700	0060W	000000N	055177.58	-0011.89	052929.06
105135	0070W	000000N	055171.39	-0028.51	052924.35
105155	0070W	000005N	055188.98	-0015.58	052942.18
105210	0070W	000010N	055215.72	-0003.08	052969.56
105235	0070W	000015N	055230.20	-0004.10	052983.58
105250	0070W	000020N	055236.57	-0011.98	052990.05
105355	0070W	000025N	055219.63	-0035.62	052975.62
105405	0070W	000030N	055244.15	-0018.60	052998.11
105420	0070W	000035N	055292.15	0007.80	053045.65
105435	0070W	000040N	055304.53	0004.87	053058.02
105445	0070W	000045N	055328.19	0021.39	053081.66
105455	0070W	000050N	055352.80	0054.80	053106.25
105510	0070W	000055N	055301.16	0021.39	053054.71
105520	0070W	000060N	055253.45	-0007.71	053007.16
105535	0070W	000065N	055240.64	-0012.26	052994.45
105545	0070W	000070N	055228.36	-0021.62	052982.48
105555	0070W	000075N	055232.38	-0013.92	052986.84
105605	0070W	000080N	055239.22	-0011.76	052993.69
105615	0070W	000085N	055259.51	-0004.98	053013.84
105625	0070W	000090N	055289.50	0006.57	053043.68
105635	0070W	000095N	055311.22	0011.66	053065.79
105645	0070W	000100N	055320.46	0012.33	053075.37
105655	0070W	000105N	055310.01	-0010.71	053065.21
105705	0070W	000110N	055317.69	-0026.87	053072.84
105720	0070W	000115N	055399.75	0000.58	053154.41
105730	0070W	000120N	055483.20	0038.10	053237.87
105740	0070W	000125N	055569.33	0058.48	053324.44
105750	0070W	000130N	055628.98	0088.80	053384.24
105800	0070W	000135N	055652.99	0097.07	053408.46
105810	0070W	000140N	055630.84	0086.98	053385.93
105820	0070W	000145N	055558.64	0013.12	053313.90
105830	0070W	000150N	055609.63	0052.66	053365.25
105840	0070W	000155N	055628.44	0028.26	053384.63
105855	0070W	000160N	055721.79	0088.50	053477.43
105910	0070W	000165N	055773.73	0144.32	053529.31
105925	0070W	000170N	055675.76	0107.00	053431.30
105935	0070W	000175N	055442.25	-0000.85	053197.77
105950	0070W	000180N	055272.74	-0079.41	053028.24
110000	0070W	000185N	055222.02	-0062.62	052977.67
110010	0070W	000190N	055237.86	-0035.39	052993.42
110020	0070W	000195N	055269.79	-0010.32	053026.22
110030	0070W	000200N	055291.01	-0001.17	053046.46
110045	0070W	000205N	055328.12	0022.67	053084.30
110055	0070W	000210N	055330.39	0029.73	053085.91
110105	0070W	000215N	055273.46	-0009.25	053029.55
110115	0070W	000220N	055252.89	-0013.01	053008.44
110125	0070W	000225N	055281.04	0019.92	053036.61
110135	0070W	000230N	055279.78	0018.78	053035.35
110150	0070W	000235N	055263.81	0006.37	053019.28
110200	0070W	000240N	055265.79	0003.00	053030.05

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
110210	0070W	000245N	055279.04	0016.12	053034.94
110220	0070W	000250N	055276.41	0010.33	053032.21
110235	0070W	000255N	055267.86	-0006.10	053023.88
110245	0070W	000260N	055295.45	0008.44	053050.92
110255	0070W	000265N	055378.33	0115.05	053133.95
110305	0070W	000270N	055262.10	0027.07	053018.61
110315	0070W	000275N	055139.11	-0042.39	052898.14
110325	0070W	000280N	055135.45	-0023.76	052891.41
110335	0070W	000285N	055165.77	-0003.23	052921.67
110345	0070W	000290N	055194.16	0007.71	052950.09
110355	0070W	000295N	055259.06	0062.75	053015.20
110405	0070W	000300N	055247.82	0045.91	053003.97
110420	0070W	000305N	055186.21	0011.76	052942.52
110430	0070W	000310N	055131.08	-0021.51	052890.41
110445	0070W	000315N	055080.39	-0046.83	052836.21
110500	0070W	000320N	055063.90	-0038.94	052819.75
110510	0070W	000325N	055089.44	-0001.41	052845.44
110530	0070W	000330N	055112.62	0020.33	052868.55
110615	0080W	000330N	054929.46	-0039.35	052685.68
110630	0080W	000325N	054970.40	-0045.19	052726.63
110645	0080W	000320N	055051.91	-0018.76	052808.14
110700	0080W	000315N	055154.14	0013.26	052910.53
110710	0080W	000310N	055198.57	0020.12	052955.05
110725	0080W	000305N	055250.10	0038.25	053006.77
110740	0080W	000300N	055270.82	0026.55	053027.56
110755	0080W	000295N	055276.59	0029.05	053033.38
110805	0080W	000290N	055259.68	0022.89	053017.12
110820	0080W	000285N	055191.21	-0004.46	052948.07
110830	0080W	000280N	055140.52	-0046.51	052897.57
110845	0080W	000275N	055197.41	-0016.76	052954.54
110855	0080W	000270N	055294.47	0051.05	053052.15
110910	0080W	000265N	055295.58	0030.55	053052.98
110920	0080W	000260N	055268.16	-0002.25	053025.40
110935	0080W	000255N	055289.07	0006.42	053046.22
110950	0080W	000250N	055322.61	0026.69	053079.81
111000	0080W	000245N	055342.38	0030.98	053099.61
111010	0080W	000240N	055347.91	0034.91	053105.26
111025	0080W	000235N	055354.65	0043.83	053112.18
111040	0080W	000230N	055351.10	0066.50	053108.46
111055	0080W	000225N	055307.98	0029.73	053065.93
111110	0080W	000220N	055285.84	0018.42	053044.02
111125	0080W	000215N	055270.36	0011.33	053028.38
111140	0080W	000210N	055259.38	-0010.08	053017.89
111150	0080W	000205N	055263.77	-0007.26	053022.16
111205	0080W	000200N	055243.62	-0023.89	053001.75
111215	0080W	000195N	055219.53	-0043.33	052977.83
111225	0080W	000190N	055201.37	-0069.48	052959.79
111240	0080W	000185N	055239.64	-0073.62	052998.18
111250	0080W	000180N	055368.40	-0019.57	053127.06
111305	0080W	000175N	055623.36	0106.03	053382.03
111320	0080W	000170N	055777.97	0158.23	053536.44

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
111330	0080W	000165N	055757.61	0113.32	053516.05
111345	0080W	000160N	055668.66	0050.87	053427.24
111355	0080W	000155N	055575.81	0014.37	053334.36
111405	0080W	000150N	055512.47	-0001.71	053272.31
111415	0080W	000145N	055467.52	-0017.60	053226.02
111425	0080W	000140N	055479.77	0002.83	053238.20
111435	0080W	000135N	055507.17	0034.14	053265.63
111445	0080W	000130N	055503.52	0035.14	053262.17
111455	0080W	000125N	055484.22	0024.67	053245.02
111510	0080W	000120N	055469.69	0031.58	053228.05
111520	0080W	000115N	055432.63	0031.30	053191.07
111530	0080W	000110N	055373.59	0007.67	053132.01
111540	0080W	000105N	055302.97	-0020.94	053061.49
111550	0080W	000100N	055281.75	-0020.42	053040.31
111600	0080W	000095N	055272.09	-0010.85	053030.69
111615	0080W	000090N	055259.55	-0008.05	053019.10
111625	0080W	000085N	055247.44	-0009.92	053006.28
111640	0080W	000080N	055243.44	-0006.35	053002.70
111650	0080W	000075N	055236.56	-0003.07	052997.58
111700	0080W	000070N	055232.70	-0000.01	052991.53
111715	0080W	000065N	055215.45	-0009.25	052974.15
111725	0080W	000060N	055185.33	-0031.73	052944.07
111735	0080W	000055N	055183.24	-0051.39	052942.07
111745	0080W	000050N	055249.82	-0030.21	053008.51
111755	0080W	000045N	055354.59	0029.76	053113.23
111805	0080W	000040N	055402.59	0052.50	053162.05
111815	0080W	000035N	055379.16	0042.35	053137.82
111825	0080W	000030N	055324.38	0016.28	053083.06
111840	0080W	000025N	055313.37	0027.58	053071.65
111850	0080W	000020N	055299.69	0027.14	053057.78
111900	0080W	000015N	055260.96	-0000.42	053019.18
111910	0080W	000010N	055239.72	0005.76	052998.97
111920	0080W	000005N	055186.21	-0017.53	052944.60
111935	0080W	000000N	055089.85	-0102.71	052847.98
112125	0090W	000000S	055220.82	-0004.48	052978.70
112140	0090W	000005N	055249.22	0003.85	053007.25
112155	0090W	000010N	055281.07	0013.28	053039.12
112210	0090W	000015N	055288.64	0008.32	053046.67
112220	0090W	000020N	055271.48	-0016.21	053029.49
112230	0090W	000025N	055286.85	-0011.05	053044.90
112240	0090W	000030N	055313.21	-0007.37	053071.44
112250	0090W	000035N	055390.47	0037.76	053150.06
112300	0090W	000040N	055460.26	0091.23	053218.46
112310	0090W	000045N	055447.44	0097.35	053205.46
112320	0090W	000050N	055256.62	-0024.64	053015.09
112330	0090W	000055N	055168.27	-0066.50	052926.57
112340	0090W	000060N	055185.17	-0036.75	052943.36
112350	0090W	000065N	055216.25	-0013.16	052974.61
112400	0090W	000070N	055240.53	0001.00	052998.92
112410	0090W	000075N	055248.55	-0001.83	053007.10
112420	0090W	000080N	055250.07	-0008.67	053011.48

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
112430	0090W	000085N	055256.83	-0012.71	053015.46
112440	0090W	000090N	055267.05	-0014.66	053026.23
112450	0090W	000095N	055286.82	-0017.37	053045.97
112500	0090W	000100N	055311.51	-0014.35	053071.52
112510	0090W	000105N	055360.54	-0000.16	053119.38
112520	0090W	000110N	055420.47	0030.92	053181.82
112530	0090W	000115N	055465.62	0049.10	053224.42
112540	0090W	000120N	055447.59	0025.53	053206.44
112550	0090W	000125N	055408.07	-0001.25	053166.92
112600	0090W	000130N	055365.34	-0027.67	053124.17
112610	0090W	000135N	055326.32	-0060.78	053085.22
112625	0090W	000140N	055372.11	-0026.82	053131.04
112635	0090W	000145N	055435.54	-0003.42	053194.36
112645	0090W	000150N	055517.19	0026.28	053276.45
112655	0090W	000155N	055621.71	0062.41	053380.98
112705	0090W	000160N	055721.53	0104.23	053480.47
112715	0090W	000165N	055818.82	0162.05	053577.95
112725	0090W	000170N	055768.94	0135.00	053529.14
112735	0090W	000175N	055571.04	0042.60	053332.23
112745	0090W	000180N	055417.39	-0034.89	053176.76
112755	0090W	000185N	055382.84	0000.66	053142.14
112805	0090W	000190N	055376.00	0021.57	053135.49
112815	0090W	000195N	055364.67	0022.44	053124.64
112825	0090W	000200N	055331.25	0011.80	053090.76
112835	0090W	000205N	055311.68	0017.12	053072.62
112845	0090W	000210N	055289.94	0010.57	053049.33
112855	0090W	000215N	055267.28	-0004.53	053026.70
112905	0090W	000220N	055267.26	-0009.21	053026.73
112915	0090W	000225N	055298.59	-0007.73	053058.34
112925	0090W	000230N	055346.35	0015.62	053106.17
112935	0090W	000235N	055399.67	0041.05	053159.35
112950	0090W	000240N	055419.33	0047.69	053179.07
113000	0090W	000245N	055403.27	0039.17	053163.05
113015	0090W	000250N	055359.74	0027.78	053119.66
113025	0090W	000255N	055309.09	0011.19	053069.15
113035	0090W	000260N	055278.73	-0006.58	053039.35
113045	0090W	000265N	055293.18	0006.60	053053.06
113055	0090W	000270N	055324.16	0043.33	053084.07
113105	0090W	000275N	055278.82	0012.35	053038.71
113120	0090W	000280N	055210.56	-0045.51	052970.42
113130	0090W	000285N	055288.31	0003.75	053049.02
113145	0090W	000290N	055371.31	0057.05	053131.50
113155	0090W	000295N	055416.74	0088.71	053176.81
113210	0090W	000300N	055374.61	0059.01	053134.42
113225	0090W	000305N	055310.73	0033.69	053070.64
113250	0090W	000310N	055319.91	0068.71	053079.88
113310	0090W	000315N	055302.59	0106.28	053065.09
113325	0090W	000320N	055164.51	0056.98	052924.78
113335	0090W	000325N	054924.73	-0039.89	052684.94
113350	0090W	000330N	054450.37	-0350.03	052210.66
113425	0100W	000330N	055109.73	0084.10	052870.35

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
113435	0100W	000325N	055128.25	0026.91	052888.87
113445	0100W	000320N	055211.51	0036.10	052972.31
113500	0100W	000315N	055298.58	0039.14	053059.04
113520	0100W	000310N	055396.54	0069.51	053156.94
113530	0100W	000305N	055396.54	0085.53	053156.87
113540	0100W	000300N	055404.35	0074.32	053164.73
113555	0100W	000295N	055414.51	0046.89	053174.99
113605	0100W	000290N	055458.76	0070.62	053219.08
113615	0100W	000285N	055468.69	0081.51	053228.93
113625	0100W	000280N	055394.83	0020.76	053155.13
113635	0100W	000275N	055366.79	0011.58	053127.18
113645	0100W	000270N	055320.98	-0006.46	053081.31
113655	0100W	000265N	055285.05	-0022.19	053045.44
113705	0100W	000260N	055271.72	-0028.71	053032.09
113715	0100W	000255N	055291.33	-0023.55	053051.70
113725	0100W	000250N	055402.42	0047.12	053162.79
113735	0100W	000245N	055492.39	0090.32	053252.73
113745	0100W	000240N	055511.22	0106.28	053271.46
113755	0100W	000235N	055480.36	0091.78	053240.60
113805	0100W	000230N	055402.76	0050.41	053162.98
113815	0100W	000225N	055307.19	0010.62	053067.47
113825	0100W	000220N	055233.72	-0028.51	052994.00
113835	0100W	000215N	055247.83	-0009.19	053007.98
113845	0100W	000210N	055281.77	0015.33	053041.88
113855	0100W	000205N	055253.38	-0046.41	053013.53
113910	0100W	000200N	055366.66	0043.55	053126.83
113925	0100W	000195N	055422.72	0042.21	053182.94
113940	0100W	000190N	055481.68	0054.76	053241.66
113950	0100W	000185N	055491.01	0030.87	053251.08
114000	0100W	000180N	055466.98	-0007.62	053227.09
114010	0100W	000175N	055526.25	0017.01	053286.32
114020	0100W	000170N	055624.04	0075.28	053384.10
114030	0100W	000165N	055670.30	0105.78	053430.43
114040	0100W	000160N	055603.95	0060.41	053364.19
114050	0100W	000155N	055515.93	0024.67	053276.18
114105	0100W	000150N	055457.40	0009.14	053218.10
114115	0100W	000145N	055400.66	-0002.42	053161.07
114125	0100W	000140N	055376.15	-0001.66	053136.34
114135	0100W	000135N	055346.35	-0015.30	053106.48
114145	0100W	000130N	055346.02	-0021.58	053106.09
114155	0100W	000125N	055425.98	0030.23	053186.17
114205	0100W	000120N	055475.54	0068.50	053236.11
114215	0100W	000115N	055430.36	0019.67	053190.58
114225	0100W	000110N	055407.51	-0006.66	053167.61
114240	0100W	000105N	055445.21	0036.75	053209.73
114250	0100W	000100N	055412.17	0011.69	053174.04
114300	0100W	000095N	055383.14	0004.78	053143.19
114310	0100W	000090N	055337.54	0007.05	053098.68
114320	0100W	000085N	055280.99	-0006.76	053041.84
114330	0100W	000080N	055260.09	-0005.05	053019.89
114340	0100W	000075N	055245.91	-0005.44	053005.67

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
114355	0100W	000070N	055218.61	-0018.94	052978.19
114405	0100W	000065N	055200.19	-0038.98	052959.90
114415	0100W	000060N	055209.35	-0049.80	052969.18
114425	0100W	000055N	055257.19	-0039.28	053016.92
114435	0100W	000050N	055336.83	0017.10	053096.43
114445	0100W	000045N	055370.01	0025.32	053129.68
114455	0100W	000040N	055358.18	0017.98	053117.84
114505	0100W	000035N	055327.94	0008.14	053087.70
114515	0100W	000030N	055305.68	0001.33	053065.96
114525	0100W	000025N	055298.33	0004.58	053058.26
114535	0100W	000020N	055305.81	0016.26	053065.43
114545	0100W	000015N	055300.81	0016.64	053060.35
114555	0100W	000010N	055271.65	0003.82	053031.11
114605	0100W	000005N	055245.89	-0008.30	053005.43
114615	0100W	000000N	055240.44	-0000.44	053001.89
120900	0110W	000000S	055249.35	-0001.55	053005.80
120915	0110W	000005S	055249.30	-0009.53	053005.70
120925	0110W	000010S	055255.32	-0013.94	053011.81
120935	0110W	000015S	055318.37	0029.00	053074.73
120950	0110W	000020S	055316.14	0029.66	053072.33
121005	0110W	000025S	055250.12	-0034.05	053009.07
121020	0110W	000030S	055276.00	-0017.35	053032.08
121030	0110W	000035S	055332.77	0010.33	053088.89
121045	0110W	000040S	055384.19	0038.46	053140.36
121055	0110W	000045S	055455.21	0082.83	053211.26
121110	0110W	000050S	055491.78	0113.82	053248.43
121125	0110W	000055S	055429.79	0087.53	053185.72
121135	0110W	000060S	055312.79	0011.51	053068.71
121145	0110W	000065S	055233.88	-0031.94	052990.00
121200	0110W	000070S	055231.81	-0021.89	052988.44
121210	0110W	000075S	055254.89	-0008.89	053010.38
121220	0110W	000080S	055271.52	-0010.57	053026.90
121230	0110W	000085S	055303.88	-0012.08	053059.63
121240	0110W	000090S	055391.05	0026.39	053148.43
121250	0110W	000095S	055576.09	0165.76	053331.68
121300	0110W	000100S	055578.89	0128.30	053334.21
121315	0110W	000105S	055504.19	0062.73	053259.63
121325	0110W	000110S	055442.59	0026.14	053197.85
121335	0110W	000115S	055361.43	-0034.26	053116.64
121345	0110W	000120S	055385.79	0000.64	053141.00
121355	0110W	000125S	055440.12	0061.98	053195.35
121405	0110W	000130S	055387.77	0013.66	053143.01
121425	0110W	000135S	055364.58	0001.00	053119.92
121435	0110W	000140S	055363.58	-0002.57	053118.88
121445	0110W	000145S	055366.54	-0004.98	053122.15
121455	0110W	000150S	055388.02	-0002.98	053143.35
121510	0110W	000155S	055413.01	-0000.71	053168.22
121520	0110W	000160S	055436.65	-0003.05	053191.88
121530	0110W	000165S	055467.87	0001.19	053223.09
121540	0110W	000170S	055512.19	0013.35	053267.40
121555	0110W	000175S	055569.72	0034.23	053324.94

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
121605	0110W	000180S	055614.31	0056.94	053369.49
121615	0110W	000185S	055637.61	0104.33	053393.19
121625	0110W	000190S	055546.38	0068.37	053301.63
121635	0110W	000195S	055378.28	-0016.41	053133.44
121645	0110W	000200S	055312.84	-0025.28	053067.91
121655	0110W	000205S	055307.70	-0008.92	053062.83
121705	0110W	000210S	055339.23	0045.10	053094.44
121715	0110W	000215S	055263.25	0000.39	053018.30
121725	0110W	000220S	055193.12	-0063.41	052948.24
121735	0110W	000225S	055260.09	-0016.42	053015.23
121750	0110W	000230S	055314.62	-0001.75	053069.67
121800	0110W	000235S	055362.82	0008.33	053117.86
121815	0110W	000240S	055396.26	0024.12	053151.36
121830	0110W	000245S	055412.41	0039.25	053167.58
121840	0110W	000250S	055385.88	0023.96	053140.99
121850	0110W	000255S	055362.40	0006.51	053117.72
121900	0110W	000260S	055377.71	0009.26	053132.62
121910	0110W	000265S	055439.21	0032.89	053194.04
121925	0110W	000270S	055520.67	0074.25	053275.49
121940	0110W	000275S	055672.22	0150.58	053427.09
121955	0110W	000280S	055752.85	0200.73	053507.67
122005	0110W	000285S	055711.71	0185.41	053467.35
122015	0110W	000290S	055588.61	0135.94	053343.43
122025	0110W	000295S	055346.47	0007.60	053101.35
122035	0110W	000300S	055170.93	-0071.17	052925.75
122140	0110W	000305S	055214.90	0007.17	052969.74
122155	0110W	000310S	055178.60	0009.44	052933.39
122210	0110W	000315S	055074.45	-0052.78	052829.23
122235	0110W	000320S	055132.06	0016.42	052886.72
122245	0110W	000325S	055168.78	0001.92	052923.41
122300	0110W	000330S	055237.47	-0020.48	052992.22
122450	0120W	000330N	054917.33	-0059.39	052671.80
122735	0120W	000330N	054920.40	-0069.03	052675.07
122745	0120W	000325N	054861.03	-0132.25	052615.72
122800	0120W	000320N	055126.83	0112.37	052881.64
122815	0120W	000315N	055119.56	0056.33	052874.36
122825	0120W	000310N	055085.90	0005.64	052841.96
122835	0120W	000305N	055025.68	-0058.94	052780.58
122845	0120W	000300N	054981.79	-0130.14	052739.32
122925	0120W	000295N	055145.65	-0069.50	052900.15
122935	0120W	000290N	055412.41	0051.76	053166.92
122945	0120W	000285N	055614.25	0118.69	053368.76
122955	0120W	000280N	055680.75	0127.21	053435.98
123005	0120W	000275N	055662.72	0098.21	053417.31
123015	0120W	000270N	055700.91	0148.67	053455.58
123025	0120W	000265N	055660.62	0158.14	053415.20
123035	0120W	000260N	055559.61	0118.28	053314.08
123050	0120W	000255N	055399.10	0030.37	053153.68
123100	0120W	000250N	055364.64	0016.91	053119.20
123115	0120W	000245N	055405.69	0053.03	053160.26
123125	0120W	000240N	055453.90	0097.91	053208.49

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
123135	0120W	000235N	055422.83	0084.92	053177.37
123145	0120W	000230N	055340.82	0028.78	053095.68
123155	0120W	000225N	055268.80	-0004.12	053023.51
123205	0120W	000220N	055243.66	-0016.12	052998.26
123215	0120W	000215N	055247.36	-0021.30	053002.03
123225	0120W	000210N	055295.30	0010.51	053049.93
123235	0120W	000205N	055324.38	0013.08	053078.91
123245	0120W	000200N	055318.14	-0004.16	053072.47
123300	0120W	000195N	055312.95	-0041.16	053067.26
123310	0120W	000190N	055372.68	-0064.33	053126.97
123325	0120W	000185N	055686.14	0163.71	053440.36
123340	0120W	000180N	055735.02	0163.12	053489.36
123350	0120W	000175N	055668.39	0125.58	053422.74
123400	0120W	000170N	055527.34	0036.00	053281.67
123410	0120W	000165N	055434.70	0000.94	053189.05
123430	0120W	000160N	055397.54	0003.94	053151.93
123440	0120W	000155N	055363.29	-0003.48	053117.53
123455	0120W	000150N	055334.91	-0010.89	053089.16
123505	0120W	000145N	055321.86	-0012.71	053076.25
123515	0120W	000140N	055316.44	-0013.39	053070.94
123525	0120W	000135N	055326.35	-0010.85	053080.84
123535	0120W	000130N	055347.78	0000.23	053102.25
123550	0120W	000125N	055368.81	0010.39	053123.37
123600	0120W	000120N	055360.37	0004.92	053114.83
123610	0120W	000115N	055362.81	0000.85	053117.17
123620	0120W	000110N	055403.10	0020.91	053168.02
123630	0120W	000105N	055393.60	0001.58	053147.93
123640	0120W	000100N	055392.62	0013.42	053147.08
123650	0120W	000095N	055328.59	-0010.37	053083.15
123700	0120W	000090N	055250.44	-0053.87	053013.02
123715	0120W	000085N	055271.76	-0003.67	053026.72
123725	0120W	000080N	055262.27	-0004.57	053017.05
123735	0120W	000075N	055245.12	-0009.57	052999.70
123745	0120W	000070N	055238.91	-0010.39	052993.55
123755	0120W	000065N	055233.78	-0020.89	052988.40
123805	0120W	000060N	055253.32	-0021.39	053007.99
123815	0120W	000055N	055310.19	0000.78	053064.96
123825	0120W	000050N	055335.05	0010.94	053090.17
123835	0120W	000045N	055324.70	0006.25	053082.06
123845	0120W	000040N	055310.07	0000.58	053157.54
123855	0120W	000035N	055304.67	0013.03	053062.67
123910	0120W	000030N	055288.33	0001.94	053043.21
123920	0120W	000025N	055289.36	0006.08	053044.19
123930	0120W	000020N	055309.38	0021.03	053064.23
123945	0120W	000015N	055314.27	0025.32	053069.13
123955	0120W	000010N	055296.09	0019.96	053050.90
124005	0120W	000005N	055280.66	0014.44	053035.50
124015	0120W	000000N	055257.06	0000.10	053011.93
130550	0130W	000000N	055281.13	0029.35	053035.41
130605	0130W	000005N	055326.82	0029.01	053081.11
130615	0130W	000010N	055348.71	0039.57	053102.97

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
130625	0130W	000015N	055317.46	0015.69	053071.81
130640	0130W	000020N	055282.72	-0002.32	053037.07
130650	0130W	000025N	055261.38	-0010.33	053015.87
130715	0130W	000030N	055257.39	-0010.87	053011.82
130725	0130W	000035N	055255.05	-0011.19	053009.66
130735	0130W	000040N	055252.88	-0013.73	053007.50
130745	0130W	000045N	055246.20	-0020.28	053000.73
130800	0130W	000050N	055239.51	-0027.33	052994.00
130810	0130W	000055N	055245.39	-0020.80	052999.83
130820	0130W	000060N	055268.54	0003.00	053023.03
130830	0130W	000065N	055293.34	0035.25	053047.88
130840	0130W	000070N	055225.10	-0037.62	052979.64
130850	0130W	000075N	055245.55	-0009.92	053000.17
130900	0130W	000080N	055240.67	-0008.98	052995.29
130910	0130W	000085N	055201.67	-0053.53	052956.30
130920	0130W	000090N	055224.60	-0047.87	052979.22
130935	0130W	000095N	055292.34	-0006.62	053049.73
130950	0130W	000100N	055328.30	0000.75	053082.79
131005	0130W	000105N	055375.01	0018.73	053129.35
131020	0130W	000110N	055395.03	0026.60	053149.36
131030	0130W	000115N	055403.54	0027.89	053157.85
131040	0130W	000120N	055395.58	0023.94	053149.88
131050	0130W	000125N	055370.35	0011.75	053124.67
131105	0130W	000130N	055341.21	0000.41	053095.57
131115	0130W	000135N	055317.85	-0005.08	053072.20
131125	0130W	000140N	055309.94	-0002.64	053064.24
131135	0130W	000145N	055279.20	-0032.89	053033.42
131145	0130W	000150N	055286.33	-0034.21	053040.47
131155	0130W	000155N	055346.62	0000.32	053100.67
131205	0130W	000160N	055388.05	0007.03	053142.15
131215	0130W	000165N	055430.26	0014.62	053184.50
131225	0130W	000170N	055484.32	0024.66	053238.54
131235	0130W	000175N	055579.87	0065.14	053333.95
131245	0130W	000180N	055623.85	0096.41	053377.85
131255	0130W	000185N	055556.85	0075.89	053310.87
131305	0130W	000190N	055405.77	-0005.23	053159.82
131315	0130W	000195N	055331.31	-0010.91	053085.29
131325	0130W	000200N	055324.04	-0000.21	053078.02
131335	0130W	000205N	055289.78	-0014.66	053043.80
131350	0130W	000210N	055266.83	-0023.89	053020.62
131405	0130W	000215N	055270.54	-0006.82	053024.39
131415	0130W	000220N	055275.60	-0000.76	053029.39
131425	0130W	000225N	055283.83	0003.60	053037.48
131440	0130W	000230N	055307.10	0011.89	053060.78
131455	0130W	000235N	055320.17	0017.71	053073.98
131505	0130W	000240N	055278.21	-0014.30	053032.21
131520	0130W	000245N	055191.60	-0056.17	052945.28
131535	0130W	000250N	055103.46	-0119.35	052857.47
131550	0130W	000255N	055183.40	-0085.10	052937.03
131605	0130W	000260N	055409.33	0040.12	053163.06
131620	0130W	000265N	055641.49	0167.44	053395.27

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
131630	0130W	000270N	055589.66	0116.78	053343.79
131640	0130W	000275N	055438.60	0016.64	053192.16
131650	0130W	000280N	055314.71	-0038.71	053068.42
131710	0130W	000285N	055284.31	-0005.94	053038.16
131725	0130W	000290N	055213.25	-0018.08	052966.83
131735	0130W	000295N	055175.49	-0021.05	052929.11
131750	0130W	000300N	055137.61	-0036.00	052891.40
131810	0130W	000305N	055071.13	-0049.19	052824.76
131830	0130W	000310N	055059.06	0010.51	052812.43
131910	0130W	000315N	054877.23	-0156.21	052630.44
131945	0130W	000320N	054630.64	-0254.10	052383.62
132015	0130W	000325N	054610.91	-0225.60	052363.72
132045	0130W	000330N	054882.67	0006.00	052635.38
132215	0140W	000330N	054898.59	-0028.01	052651.70
132240	0140W	000325N	054917.19	-0002.50	052669.70
132325	0140W	000320N	054919.72	-0008.50	052671.73
132405	0140W	000315N	054931.97	-0039.85	052683.80
132500	0140W	000310N	055233.70	-0204.69	052985.14
132510	0140W	000305N	055714.34	0165.35	053475.72
132525	0140W	000300N	056375.88	0956.92	054127.15
132540	0140W	000295N	056050.17	0706.92	053801.59
132555	0140W	000290N	054975.26	-0239.32	052726.34
132605	0140W	000285N	054869.40	-0167.21	052620.61
132620	0140W	000280N	055109.86	-0036.76	052860.62
132635	0140W	000275N	055186.58	-0018.21	052937.27
132650	0140W	000270N	055223.04	-0024.42	052973.76
132710	0140W	000265N	055231.48	-0015.75	052982.16
132725	0140W	000260N	055252.12	0012.00	053002.88
132745	0140W	000255N	055210.74	0019.92	052961.49
132800	0140W	000250N	055076.93	-0088.05	052827.71
134255	0140W	000245N	055138.26	-0024.16	052887.86
134310	0140W	000240N	055245.49	0083.51	052995.43
134330	0140W	000235N	055215.10	0003.92	052964.67
134350	0140W	000230N	055201.45	-0000.26	052950.83
134410	0140W	000225N	055086.16	-0120.26	052835.88
134430	0140W	000220N	055366.65	0102.69	053116.16
134445	0140W	000215N	055485.38	0139.67	053234.89
134500	0140W	000210N	055365.47	0020.08	053116.02
134520	0140W	000205N	055372.09	0027.08	053121.31
134550	0140W	000200N	055441.19	0067.80	053190.63
134600	0140W	000195N	055470.95	0085.28	053220.10
134615	0140W	000190N	055381.72	0007.21	053130.91
134625	0140W	000185N	055433.58	0011.21	053183.04
134635	0140W	000180N	055503.76	0038.69	053254.00
134645	0140W	000175N	055484.26	0031.03	053233.76
134655	0140W	000170N	055421.68	0002.16	053170.83
134710	0140W	000165N	055453.23	0096.05	053202.21
134720	0140W	000160N	055556.39	0236.16	053305.69
134730	0140W	000155N	055353.76	0012.05	053102.25
134745	0140W	000150N	055290.82	-0018.78	053039.57
134800	0140W	000145N	055331.49	-0010.50	053080.27

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
134815	0140W	000140N	055385.70	0021.58	053133.97
134830	0140W	000135N	055289.26	-0049.30	053037.26
134845	0140W	000130N	055361.62	0023.83	053109.68
134855	0140W	000125N	055375.29	-0003.23	053123.36
134905	0140W	000120N	055410.20	0035.46	053158.16
134915	0140W	000115N	055388.05	0003.35	053136.12
134925	0140W	000110N	055399.21	0027.53	053147.30
134940	0140W	000105N	055377.98	0025.87	053125.90
134955	0140W	000100N	055326.99	-0003.37	053074.86
135030	0140W	000095N	055316.75	-0000.37	053065.09
135120	0140W	000090N	055343.92	0049.71	053091.45
135140	0140W	000085N	055284.39	0029.48	053032.30
135200	0140W	000080N	055108.57	-0175.83	052856.14
135215	0140W	000075N	055281.93	0000.83	053029.45
135230	0140W	000070N	055434.03	0113.16	053182.49
135250	0140W	000065N	055462.58	0133.41	053209.96
135310	0140W	000060N	055331.27	0004.33	053078.38
135335	0140W	000055N	055278.40	-0051.17	053026.01
135840	0140W	000050N	055430.83	0162.26	053175.80
135905	0140W	000045N	055260.21	-0021.53	053005.42
135920	0140W	000040N	055248.34	-0013.85	052993.16
135935	0140W	000035N	055250.03	-0007.10	052994.75
135950	0140W	000030N	055249.46	-0007.05	052992.97
140005	0140W	000025N	055252.25	-0008.53	052996.93
140020	0140W	000020N	055257.37	-0009.25	053005.94
140030	0140W	000015N	055282.16	-0001.92	053026.29
140040	0140W	000010N	055315.39	0015.78	053059.24
140050	0140W	000005N	055307.63	0001.23	053051.48
140100	0140W	000000N	055274.93	-0025.94	053018.49
142140	0150W	000030N	055239.07	-0008.71	052978.64
142205	0150W	000035N	055237.02	-0008.57	052976.36
142220	0150W	000040N	055230.35	-0019.60	052969.66
142235	0150W	000045N	055234.46	-0020.91	052973.73
142255	0150W	000050N	055278.16	0017.42	053021.48
142330	0150W	000055N	055274.34	0002.62	053013.38
142410	0150W	000060N	055257.88	-0038.94	052996.92
142435	0150W	000065N	055306.00	0007.19	053044.92
142520	0150W	000070N	055231.15	-0016.12	052970.34
142545	0150W	000075N	055201.73	-0001.08	052943.09
142610	0150W	000080N	055498.34	0267.00	053237.92
142705	0150W	000085N	055100.28	-0205.33	052839.93
142735	0150W	000090N	055195.15	-0050.46	052934.56
142800	0150W	000095N	055254.53	-0014.83	052993.87
142825	0150W	000100N	055301.98	0000.07	053041.68
142850	0150W	000105N	055315.20	0001.26	053054.62
142910	0150W	000110N	055312.85	-0012.83	053052.61
142940	0150W	000115N	055268.61	-0081.85	053007.79
142955	0150W	000120N	055408.46	0035.60	053147.66
143020	0150W	000125N	055402.03	0036.55	053141.04
143035	0150W	000130N	055361.14	0012.26	053100.05
143045	0150W	000135N	055301.63	0005.55	053040.75

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
143100	0150W	000140N	055282.76	-0026.94	053021.79
143115	0150W	000145N	055323.12	-0026.23	053062.01
143135	0150W	000150N	055152.09	-0125.37	052890.77
143150	0150W	000155N	055402.23	0156.64	053141.10
143205	0150W	000160N	055278.36	0006.55	053017.02
143220	0150W	000165N	055365.30	0095.66	053104.22
143235	0150W	000170N	055417.30	0067.46	053156.06
143245	0150W	000175N	055410.58	0004.71	053149.45
143300	0150W	000180N	055395.67	-0028.94	053134.36
143320	0150W	000185N	055520.77	0182.12	053259.49
143335	0150W	000190N	055217.85	-0068.41	052957.77
143350	0150W	000195N	055422.10	0091.35	053160.65
143405	0150W	000200N	055383.65	0044.23	053122.20
143420	0150W	000205N	055345.73	0020.50	053084.13
143445	0150W	000210N	055287.81	-0008.28	053026.25
143505	0150W	000215N	055235.12	-0050.48	052973.75
143525	0150W	000220N	055147.25	-0053.37	052885.79
143550	0150W	000225N	055125.51	-0000.12	052863.91
143620	0150W	000230N	055084.06	-0037.35	052822.69
143640	0150W	000235N	055021.08	-0085.83	052759.66
143650	0150W	000240N	055006.89	-0074.73	052745.44
143705	0150W	000245N	055013.94	-0066.82	052752.62
143720	0150W	000250N	055051.86	-0045.69	052790.83
143735	0150W	000255N	055084.47	-0031.82	052823.28
143750	0150W	000260N	055109.80	-0024.71	052848.63
143810	0150W	000265N	055122.30	-0008.12	052861.10
143830	0150W	000270N	055081.76	-0032.94	052820.66
143855	0150W	000275N	055040.51	-0050.62	052779.41
144005	0150W	000280N	054984.52	-0019.03	052723.14
144045	0150W	000285N	054790.18	-0080.91	052529.38
144115	0150W	000290N	054417.86	-0230.33	052157.26
144155	0150W	000295N	054482.48	-0050.21	052221.00
144245	0150W	000300N	054761.57	-0280.46	052502.56
144310	0150W	000305N	054551.88	-0445.85	052290.46
144355	0150W	000310N	054581.66	-0495.92	052319.99
144435	0150W	000315N	054921.70	-0031.03	052659.77
144515	0150W	000320N	054934.68	-0010.33	052672.71
144610	0150W	000325N	054898.86	-0039.03	052636.84
144720	0150W	000330N	054857.03	-0039.62	052595.07
154425	0160W	000030N	055254.80	-0012.83	052983.95
154435	0160W	000035N	055259.04	-0004.82	052988.04
154445	0160W	000040N	055258.66	-0003.92	052987.55
154455	0160W	000045N	055258.70	-0003.80	052987.37
154510	0160W	000050N	055263.75	0001.51	052992.38
154525	0160W	000055N	055263.31	-0000.94	052992.02
154540	0160W	000060N	055251.71	-0010.96	052980.17
154555	0160W	000065N	055255.27	-0004.12	052983.85
154620	0160W	000070N	055280.29	0028.80	053008.62
154640	0160W	000075N	055257.39	0045.44	052985.62
154655	0160W	000080N	055131.88	-0032.23	052860.12
154710	0160W	000085N	055221.23	0005.55	052949.44

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
154725	0160W	000090N	055266.47	0008.62	052994.90
154740	0160W	000095N	055298.00	-0001.26	053026.11
154755	0160W	000100N	055355.87	0027.64	053083.94
154810	0160W	000105N	055380.71	0043.17	053108.73
154825	0160W	000110N	055362.00	0028.07	053089.91
154835	0160W	000115N	055331.79	0008.42	053059.86
154850	0160W	000120N	055306.75	-0006.17	053034.71
154900	0160W	000125N	055279.04	-0008.01	053008.72
154910	0160W	000130N	055226.26	-0034.82	052954.15
154920	0160W	000135N	055190.91	-0056.83	052918.66
154930	0160W	000140N	055217.11	-0035.21	052944.88
154945	0160W	000145N	055238.19	-0033.64	052966.08
154955	0160W	000150N	055293.59	-0009.96	053021.17
155010	0160W	000155N	055368.59	0026.14	053096.22
155020	0160W	000160N	055385.60	0039.03	053113.27
155030	0160W	000165N	055354.32	0023.42	053081.91
155040	0160W	000170N	055287.22	-0003.42	053014.67
155050	0160W	000175N	055247.18	-0022.07	052974.76
155105	0160W	000180N	055207.50	-0031.19	052934.94
155120	0160W	000185N	055184.19	-0040.37	052912.89
155135	0160W	000190N	055169.34	-0058.01	052896.86
155145	0160W	000195N	055209.54	-0050.85	052936.85
155200	0160W	000200N	055379.67	0094.67	053107.15
155215	0160W	000205N	055354.08	0084.87	053081.49
155230	0160W	000210N	055008.04	-0163.16	052735.54
155245	0160W	000215N	054994.24	-0115.50	052721.77
155300	0160W	000220N	055037.58	-0054.01	052765.86
155315	0160W	000225N	055060.10	-0010.85	052787.30
155325	0160W	000230N	054986.36	-0068.78	052713.65
155340	0160W	000235N	054969.08	-0070.35	052696.24
155350	0160W	000240N	054987.28	-0052.67	052714.41
155400	0160W	000245N	055034.83	-0015.42	052761.86
155410	0160W	000250N	055084.11	-0006.03	052811.14
155420	0160W	000255N	055097.53	-0017.19	052824.47
155430	0160W	000260N	055116.25	-0008.42	052843.11
155440	0160W	000265N	055111.18	-0010.51	052838.17
155450	0160W	000270N	055089.08	-0023.23	052815.74
155505	0160W	000275N	055101.49	-0003.51	052828.06
155515	0160W	000280N	055120.28	0030.41	052846.77
155530	0160W	000285N	055121.45	0044.64	052848.01
155545	0160W	000290N	055075.74	0022.48	052802.42
155600	0160W	000295N	055088.24	0025.10	052817.92
155615	0160W	000300N	055136.51	0064.66	052863.13
155630	0160W	000305N	055059.69	0017.21	052785.91
160025	0160W	000310N	054968.73	-0053.51	052695.01
160040	0160W	000315N	054925.72	-0052.42	052652.02
160055	0160W	000320N	054918.31	-0040.76	052644.63
160110	0160W	000325N	055012.51	0024.76	052738.76
160120	0160W	000330N	055063.57	0036.28	052789.76
160300	0170W	000330N	055094.71	0002.62	052820.77
160315	0170W	000325N	055151.16	0053.30	052877.52

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
160330	0170W	000320N	055143.96	0055.41	052870.04
160340	0170W	000315N	055103.64	0024.14	052829.75
160355	0170W	000310N	055073.36	-0019.98	052799.88
160410	0170W	000305N	055134.04	-0000.80	052860.21
160420	0170W	000300N	055215.41	0034.03	052941.44
160440	0170W	000295N	055228.60	0053.17	052954.72
160455	0170W	000290N	055196.51	0035.75	052922.54
160515	0170W	000285N	055180.88	0020.71	052908.74
160530	0170W	000280N	055186.81	0016.41	052912.78
160545	0170W	000275N	055203.46	0026.67	052929.69
160600	0170W	000270N	055209.55	0042.33	052935.41
160610	0170W	000265N	055164.59	0008.91	052890.38
160625	0170W	000260N	055107.88	-0056.05	052833.80
160635	0170W	000255N	055209.98	0068.26	052935.82
160655	0170W	000250N	055156.35	0012.78	052881.94
160710	0170W	000245N	055118.77	-0005.37	052844.33
160725	0170W	000240N	055091.59	-0008.26	052817.10
160740	0170W	000235N	055092.91	0001.76	052818.42
160755	0170W	000230N	055126.03	0027.21	052851.55
160810	0170W	000225N	055192.72	0075.44	052918.13
160825	0170W	000220N	055180.08	0062.00	052905.43
160840	0170W	000215N	055134.53	0045.76	052859.84
160855	0170W	000210N	055090.25	0093.39	052815.58
160910	0170W	000205N	054995.82	0067.03	052721.25
160920	0170W	000200N	054994.22	-0030.64	052719.56
160935	0170W	000195N	055020.68	-0076.07	052746.01
160945	0170W	000190N	055061.48	-0044.14	052786.90
161005	0170W	000185N	055086.26	-0031.71	052811.52
161020	0170W	000180N	055106.11	-0026.08	052831.24
161035	0170W	000175N	055133.97	-0020.00	052859.57
161050	0170W	000170N	055140.22	-0023.33	052865.36
161105	0170W	000165N	055099.31	-0073.39	052824.51
161120	0170W	000160N	055017.59	-0174.92	052742.90
161135	0170W	000155N	055256.73	0023.73	052982.00
161145	0170W	000150N	055333.86	0075.98	053058.97
161155	0170W	000145N	055290.83	0045.55	053016.07
161210	0170W	000140N	055240.79	0001.91	052966.64
161220	0170W	000135N	055322.28	0092.62	053047.60
161230	0170W	000130N	055280.91	0033.75	053006.15
161245	0170W	000125N	055258.10	0010.92	052983.34
161300	0170W	000120N	055243.06	-0013.69	052968.25
161330	0170W	000115N	055255.94	-0017.67	052981.18
161340	0170W	000110N	055288.22	-0015.91	053013.47
161355	0170W	000105N	055373.81	0038.80	053098.90
161410	0170W	000100N	055325.76	-0029.16	053051.07
161425	0170W	000095N	055245.03	-0043.92	052970.46
161440	0170W	000090N	055249.52	-0024.21	052975.07
161455	0170W	000085N	055310.60	0050.00	053035.76
161525	0170W	000080N	055289.80	0027.03	053014.62
161540	0170W	000075N	055260.72	0007.00	052985.80
161555	0170W	000070N	055250.73	-0004.71	052975.78

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
163010	0180W	000295N	055317.70	0071.21	053041.02
163025	0180W	000300N	055356.08	0129.08	053079.85
163040	0180W	000305N	055244.32	0082.66	052967.97
163050	0180W	000310N	055108.31	-0025.57	052831.85
163105	0180W	000315N	055138.96	0021.25	052863.67
163115	0180W	000320N	055131.00	0007.08	052854.75
163130	0180W	000325N	055081.95	-0019.28	052806.36
163145	0180W	000330N	055041.57	-0053.67	052765.41
163210	0190W	000330N	055094.91	-0026.10	052818.71
163240	0190W	000325N	055057.93	-0017.98	052781.71
163255	0190W	000320N	054998.86	-0058.91	052723.01
163310	0190W	000315N	054941.41	-0061.94	052665.47
163320	0190W	000310N	054823.72	-0161.67	052547.74
163335	0190W	000305N	054861.98	-0167.10	052585.83
163350	0190W	000300N	054989.31	-0086.60	052713.12
163400	0190W	000295N	054968.48	-0121.00	052692.36
163415	0190W	000290N	055032.01	-0092.01	052756.30
163430	0190W	000285N	055137.91	-0023.78	052862.33
163445	0190W	000280N	055176.45	-0010.76	052900.63
163500	0190W	000275N	055190.65	-0006.85	052914.61
163510	0190W	000270N	055215.37	0015.05	052939.66
163525	0190W	000265N	055227.02	0003.05	052951.38
163535	0190W	000260N	055272.13	0042.71	052996.38
163550	0190W	000255N	055252.98	0009.57	052977.43
163605	0190W	000250N	055254.35	0008.44	052979.42
163615	0190W	000245N	055294.34	0024.78	053018.54
163630	0190W	000240N	055441.81	0164.96	053165.86
163645	0190W	000235N	055393.57	0125.44	053117.57
163700	0190W	000230N	055257.78	0005.76	052982.42
163715	0190W	000225N	055240.46	0016.89	052964.54
163730	0190W	000220N	055237.84	0062.80	052961.82
163745	0190W	000215N	055263.07	0153.80	052986.85
163800	0190W	000210N	055076.61	-0063.83	052800.30
163815	0190W	000205N	055281.48	0061.53	053005.05
163830	0190W	000200N	055340.06	0091.98	053063.59
163840	0190W	000195N	055265.64	0054.23	052989.13
163855	0190W	000190N	055191.27	0018.33	052914.55
163910	0190W	000185N	055131.77	0000.50	052854.94
163930	0190W	000180N	055087.83	-0002.91	052810.75
163945	0190W	000175N	055022.17	-0026.64	052745.46
164000	0190W	000170N	054955.19	-0051.39	052678.05
164015	0190W	000165N	054918.27	-0076.03	052640.93
164025	0190W	000160N	054961.80	-0023.33	052684.72
164040	0190W	000155N	054979.14	-0021.67	052702.15
164055	0190W	000150N	055027.47	-0013.23	052750.28
164110	0190W	000145N	055068.21	-0000.98	052790.49
164125	0190W	000140N	055091.42	-0010.78	052813.72
164140	0190W	000135N	055105.18	-0020.48	052827.71
164155	0190W	000130N	055111.52	-0047.42	052834.17
164205	0190W	000125N	055168.83	-0031.37	052891.20
164220	0190W	000120N	055400.52	0143.69	053122.82

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
161610	0170W	000065N	055252.66	-0006.05	052977.49
161620	0170W	000060N	055261.50	0000.07	052986.39
161630	0170W	000055N	055265.86	0002.73	052990.99
161645	0170W	000050N	055264.94	0001.16	052989.69
161830	0180W	000060N	055258.05	-0005.16	052983.62
161840	0180W	000065N	055256.42	-0003.00	052981.46
161855	0180W	000070N	055255.31	-0000.44	052980.51
161905	0180W	000075N	055244.72	-0006.19	052970.03
161920	0180W	000080N	055231.40	-0013.76	052956.57
161935	0180W	000085N	055196.89	-0047.62	052922.18
161950	0180W	000090N	055244.86	-0001.98	052970.01
162005	0180W	000095N	055300.82	0029.46	053025.59
162020	0180W	000100N	055347.40	0077.51	053072.35
162035	0180W	000105N	055312.99	0033.62	053037.85
162050	0180W	000110N	055323.18	0062.25	053047.87
162100	0180W	000115N	055245.13	0007.50	052970.17
162120	0180W	000120N	055160.52	-0030.05	052885.79
162135	0180W	000125N	055096.90	-0057.67	052821.84
162150	0180W	000130N	055026.53	-0087.71	052751.04
162205	0180W	000135N	055081.68	-0039.73	052806.48
162220	0180W	000140N	055079.48	-0041.82	052808.62
162235	0180W	000145N	055039.58	-0059.10	052764.34
162250	0180W	000150N	054995.20	-0059.32	052720.34
162305	0180W	000155N	054923.95	-0041.46	052648.72
162315	0180W	000160N	054916.03	-0018.26	052641.36
162330	0180W	000165N	054956.00	-0044.23	052682.10
162345	0180W	000170N	054998.36	-0056.28	052723.21
162400	0180W	000175N	055051.20	-0023.82	052776.07
162415	0180W	000180N	055044.95	-0044.67	052769.74
162430	0180W	000185N	055040.70	-0036.35	052765.41
162445	0180W	000190N	055031.66	-0047.51	052756.43
162500	0180W	000195N	055054.06	-0034.00	052779.17
162515	0180W	000200N	055198.02	0071.01	052923.78
162535	0180W	000205N	055347.81	0189.00	053073.26
162550	0180W	000210N	055161.60	-0004.30	052886.05
162610	0180W	000215N	055075.28	-0046.17	052799.96
162620	0180W	000220N	055035.21	-0092.33	052759.66
162635	0180W	000225N	055071.74	-0086.66	052797.39
162650	0180W	000230N	055157.36	-0014.17	052882.10
162705	0180W	000235N	055155.26	-0013.73	052879.79
162720	0180W	000240N	055171.32	-0002.25	052895.66
162740	0180W	000245N	055194.77	0010.69	052919.20
162755	0180W	000250N	055212.46	0020.53	052936.98
162805	0180W	000255N	055204.95	0028.26	052929.33
162815	0180W	000260N	055225.06	0030.44	052949.41
162830	0180W	000265N	055233.19	0019.35	052957.71
162840	0180W	000270N	055251.93	0021.39	052976.26
162855	0180W	000275N	055250.23	0020.05	052974.19
162910	0180W	000280N	055280.46	0051.69	053004.21
162940	0180W	000285N	055310.93	0071.12	053035.37
162955	0180W	000290N	055317.83	0066.96	053041.22

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
164235	0190W	000115N	055281.71	0048.08	053004.00
164245	0190W	000110N	055109.44	-0084.10	052831.60
164300	0190W	000105N	055175.95	-0028.60	052898.19
164315	0190W	000100N	055213.71	-0024.85	052936.10
164335	0190W	000095N	055228.24	-0012.91	052950.76
164350	0190W	000090N	055202.92	-0032.35	052925.29
164400	0190W	000085N	055199.99	-0032.19	052923.01
164415	0190W	000080N	055229.43	-0010.17	052952.63
164425	0190W	000075N	055242.91	-0004.37	052965.69
164725	0200W	000100N	055240.99	-0011.10	052963.10
164735	0200W	000105N	055235.74	-0009.62	052957.82
164745	0200W	000110N	055229.40	-0008.58	052951.03
164755	0200W	000115N	055198.87	-0023.44	052919.82
164805	0200W	000120N	055167.93	-0039.58	052888.56
164815	0200W	000125N	055134.76	-0062.03	052855.76
164830	0200W	000130N	055184.48	0020.69	052906.23
164845	0200W	000135N	055148.61	-0011.66	052870.02
164900	0200W	000140N	055130.08	-0013.16	052851.00
164920	0200W	000145N	055126.02	0001.78	052851.45
164935	0200W	000150N	055121.09	0003.28	052842.45
164950	0200W	000155N	055107.26	0001.80	052828.14
165005	0200W	000160N	055078.81	-0024.96	052799.89
165020	0200W	000165N	055016.86	-0059.48	052738.69
165035	0200W	000170N	055067.36	-0012.25	052788.14
165050	0200W	000175N	055082.91	-0020.19	052803.81
165105	0200W	000180N	055088.42	-0042.46	052809.22
165120	0200W	000185N	055128.88	-0042.46	052849.34
165130	0200W	000190N	055263.24	0031.48	052984.07
165145	0200W	000195N	055302.31	0033.21	053022.97
165205	0200W	000200N	055268.16	-0002.33	052988.45
165215	0200W	000205N	055139.65	-0080.00	052859.84
165230	0200W	000210N	055000.88	-0178.60	052721.25
165240	0200W	000215N	055143.50	-0091.25	052863.77
165255	0200W	000220N	055365.27	0047.92	053085.47
165305	0200W	000225N	055414.30	0081.53	053134.38
165315	0200W	000230N	055403.66	0063.33	053123.76
165330	0200W	000235N	055341.15	0004.42	053061.81
165340	0200W	000240N	055194.10	-0092.08	052914.36
165350	0200W	000245N	055143.56	-0104.96	052863.03
165400	0200W	000250N	055258.20	0011.51	052977.31
165415	0200W	000255N	055272.79	0023.19	052992.97
165430	0200W	000260N	055230.73	-0005.12	052951.95
165445	0200W	000265N	055195.74	-0023.28	052915.91
165500	0200W	000270N	055214.01	0019.32	052933.75
165510	0200W	000275N	055159.97	-0003.67	052880.04
165525	0200W	000280N	055047.59	-0067.89	052767.95
165540	0200W	000285N	054977.09	-0083.14	052697.66
165555	0200W	000290N	054926.01	-0079.89	052646.32
165605	0200W	000295N	054919.05	-0066.78	052639.02
165615	0200W	000300N	054945.25	-0033.14	052665.34
165630	0200W	000305N	054976.47	-0006.62	052696.96

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
165640	0200W	000310N	054963.47	-0034.44	052685.36
165650	0200W	000315N	055013.67	-0021.10	052734.11
165705	0200W	000320N	055102.85	0014.55	052823.21
165715	0200W	000325N	055160.86	0027.78	052881.15
165735	0200W	000330N	055199.92	0029.26	052920.08
165825	0210W	000330N	055200.07	-0002.35	052920.96
165835	0210W	000325N	055180.74	-0001.00	052901.51
165845	0210W	000320N	055172.24	0014.76	052891.70
165855	0210W	000315N	055142.11	0023.78	052861.60
165910	0210W	000310N	055083.74	-0000.55	052803.35
165920	0210W	000305N	055080.87	-0012.00	052800.48
165935	0210W	000300N	055066.43	-0012.89	052785.91
165945	0210W	000295N	055042.58	-0015.62	052762.11
170000	0210W	000290N	055012.60	-0027.00	052732.11
170010	0210W	000285N	055017.05	-0066.82	052736.36
170020	0210W	000280N	055245.83	0076.05	052964.84
170030	0210W	000275N	055407.09	0178.78	053126.06
170040	0210W	000270N	055309.81	0065.30	053028.70
170050	0210W	000265N	055247.85	0019.21	052971.90
170100	0210W	000260N	055224.32	-0010.69	052942.90
170110	0210W	000255N	055287.75	0025.28	053006.57
170120	0210W	000250N	055355.65	0045.91	053074.38
170135	0210W	000245N	055431.64	0096.23	053150.34
170150	0210W	000240N	055662.87	0295.48	053381.46
170200	0210W	000235N	055799.04	0401.98	053517.38
170215	0210W	000230N	055433.46	-0044.76	053151.72
170230	0210W	000225N	055392.11	-0042.96	053110.49
170240	0210W	000220N	055694.81	0204.05	053413.14
170255	0210W	000215N	055582.06	0091.48	053300.34
170305	0210W	000210N	055457.12	0008.55	053175.08
170320	0210W	000205N	055491.71	0170.28	053209.45
170330	0210W	000200N	055241.18	-0082.62	052958.80
170345	0210W	000195N	055277.96	-0090.87	052995.91
170400	0210W	000190N	055581.68	0174.17	053300.32
170410	0210W	000185N	055528.80	0192.71	053246.49
170425	0210W	000180N	055268.65	0024.28	052986.47
170440	0210W	000175N	055201.71	-0001.75	052919.33
170455	0210W	000170N	055188.49	0010.05	052907.06
170510	0210W	000165N	055190.63	0014.69	052908.55
170525	0210W	000160N	055192.88	0011.82	052910.25
170540	0210W	000155N	055195.42	0015.87	052912.46
170550	0210W	000150N	055199.71	0007.87	052916.67
170605	0210W	000145N	055202.09	0008.05	052919.62
170620	0210W	000140N	055215.35	0018.75	052932.56
170630	0210W	000135N	055202.27	0005.19	052918.90
170640	0210W	000130N	055208.09	0008.46	052924.61
170650	0210W	000125N	055204.08	0003.83	052920.65
170700	0210W	000120N	055208.86	0000.28	052925.78
170710	0210W	000115N	055217.57	-0001.48	052934.48
170720	0210W	000110N	055227.08	-0001.92	052943.85
170920	0220W	000110N	055245.79	-0005.82	052964.23

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
170940	0220W	000115N	055241.89	-0004.30	052960.07
170950	0220W	000120N	055242.26	0000.12	052960.67
171005	0220W	000125N	055244.31	0006.76	052963.01
171020	0220W	000130N	055239.73	0000.46	052958.20
171040	0220W	000135N	055239.48	0003.69	052958.10
171055	0220W	000140N	055241.69	0005.39	052960.14
171110	0220W	000145N	055241.49	0006.19	052960.07
171120	0220W	000150N	055234.54	0002.41	052952.84
171135	0220W	000155N	055233.27	0002.71	052950.86
171150	0220W	000160N	055235.96	0004.17	052953.65
171205	0220W	000165N	055238.75	0002.85	052956.93
171215	0220W	000170N	055247.16	0005.42	052965.37
171235	0220W	000175N	055258.63	0002.58	052976.08
171245	0220W	000180N	055278.19	-0000.82	052995.75
171300	0220W	000185N	055297.14	-0014.91	053015.00
171310	0220W	000190N	055349.14	-0013.66	053066.65
171320	0220W	000195N	055327.33	-0082.91	053044.78
171335	0220W	000200N	055214.46	-0142.85	052932.01
171350	0220W	000205N	055367.61	-0021.14	053084.92
171405	0220W	000210N	055676.15	0104.85	053393.24
171420	0220W	000215N	056035.64	0294.96	053752.61
171440	0220W	000220N	055555.85	0046.71	053273.00
171455	0220W	000225N	055212.02	-0125.00	052928.62
171510	0220W	000230N	055084.56	-0202.37	052801.05
171520	0220W	000235N	055075.96	-0295.35	052792.75
171540	0220W	000240N	055240.33	-0143.26	052957.08
171555	0220W	000245N	055265.71	-0042.69	052981.95
171605	0220W	000250N	055200.35	-0050.67	052916.12
171620	0220W	000255N	055141.24	-0067.50	052857.08
171630	0220W	000260N	055115.30	-0061.17	052831.38
171640	0220W	000265N	055157.13	-0029.78	052873.48
171655	0220W	000270N	055183.50	-0011.55	052899.33
171725	0220W	000275N	055178.97	0012.28	052894.93
171740	0220W	000280N	054973.95	-0131.37	052689.08
171755	0220W	000285N	054905.50	-0145.08	052620.27
171805	0220W	000290N	055037.68	-0011.98	052752.69
171820	0220W	000295N	055134.56	0018.00	052849.69
171835	0220W	000300N	055177.04	0038.01	052892.24
171850	0220W	000305N	055175.73	0011.32	052890.27
171905	0220W	000310N	055177.94	0008.83	052892.29
171915	0220W	000315N	055180.48	0003.35	052894.83
171925	0220W	000320N	055205.28	0016.10	052919.30
171935	0220W	000325N	055213.26	0011.14	052927.21
171945	0220W	000330N	055231.42	0016.00	052945.46
172015	0230W	000330N	055232.33	0013.51	052946.69
172025	0230W	000325N	055213.41	-0003.10	052927.73
172035	0230W	000320N	055210.91	0006.39	052924.82
172045	0230W	000315N	055194.91	-0003.01	052908.59
172055	0230W	000310N	055236.22	0025.35	052949.86
172105	0230W	000305N	055312.29	0093.21	053025.90
172115	0230W	000300N	055301.53	0060.64	053015.33

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
172125	0230W	000295N	055346.95	0113.37	053061.06
172135	0230W	000290N	055295.96	0115.39	053009.98
172145	0230W	000285N	055174.61	0022.26	052888.65
172155	0230W	000280N	055254.86	0138.08	052968.97
172205	0230W	000275N	055146.25	0040.60	052860.62
172215	0230W	000270N	055053.84	-0043.17	052768.39
172225	0230W	000265N	055010.66	-0074.98	052724.70
172235	0230W	000260N	055040.39	-0058.53	052754.47
172245	0230W	000255N	055043.14	-0070.76	052757.60
172255	0230W	000250N	055090.51	-0066.39	052805.11
172305	0230W	000245N	055194.58	-0012.39	052908.85
172315	0230W	000240N	055246.75	0006.71	052960.93
172325	0230W	000235N	055193.85	-0017.41	052907.99
172345	0230W	000230N	055116.04	-0027.91	052830.42
172405	0230W	000225N	054987.87	-0146.53	052701.73
172420	0230W	000220N	054965.22	-0243.80	052679.08
172435	0230W	000215N	055365.66	0041.46	053080.00
172445	0230W	000210N	055318.40	-0013.21	053032.80
172500	0230W	000205N	055243.94	-0090.23	052958.17
172515	0230W	000200N	055291.99	-0000.17	053006.09
172525	0230W	000195N	055273.76	-0012.07	052987.56
172535	0230W	000190N	055274.39	-0009.01	052988.08
172545	0230W	000185N	055272.37	-0007.21	052986.27
172600	0230W	000180N	055272.80	0003.16	052986.87
172615	0230W	000175N	055269.24	0007.07	052983.31
172625	0230W	000170N	055263.21	0006.39	052977.05
172645	0230W	000165N	055260.67	0007.46	052973.92
172655	0230W	000160N	055259.94	0009.33	052973.22
172705	0230W	000155N	055256.02	0007.00	052969.32
172715	0230W	000150N	055254.49	0001.92	052967.88
172725	0230W	000145N	055278.00	0025.82	052991.63
172735	0230W	000140N	055266.29	0010.80	052980.00
172745	0230W	000135N	055263.27	0008.07	052976.82
172755	0230W	000130N	055260.12	0005.35	052973.09
172805	0230W	000125N	055264.56	0009.19	052977.36
172815	0230W	000120N	055263.71	0005.28	052976.54
172830	0230W	000115N	055262.54	-0000.08	052975.59
172840	0230W	000110N	055267.31	-0005.03	052980.21
083205	0240W	000120N	055254.16	-0007.00	052978.27
083225	0240W	000125N	055258.50	-0002.53	052982.84
083240	0240W	000130N	055258.85	-0000.66	052983.65
083255	0240W	000135N	055256.22	-0001.53	052981.10
083320	0240W	000140N	055257.26	0001.41	052981.87
083335	0240W	000145N	055255.30	-0000.76	052979.11
083350	0240W	000150N	055257.37	0002.60	052982.13
083415	0240W	000155N	055260.51	0004.82	052984.81
083425	0240W	000160N	055259.15	0002.89	052983.43
083440	0240W	000165N	055259.72	0003.08	052984.02
083450	0240W	000170N	055259.99	-0000.21	052985.34
083505	0240W	000175N	055259.63	-0001.69	052984.59
083515	0240W	000180N	055260.39	-0001.82	052985.49

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
083525	0240W	000185N	055259.97	-0004.30	052985.17
083535	0240W	000190N	055258.81	-0007.46	052983.93
083545	0240W	000195N	055264.64	-0006.12	052989.49
083555	0240W	000200N	055264.54	-0011.23	052989.16
083605	0240W	000205N	055246.90	-0023.87	052971.55
083620	0240W	000210N	055233.13	-0028.39	052957.97
083635	0240W	000215N	055217.21	-0041.91	052942.20
083650	0240W	000220N	055244.26	-0038.87	052969.17
083705	0240W	000225N	055479.01	0113.03	053204.01
083720	0240W	000230N	055740.72	0351.57	053465.51
083735	0240W	000235N	055475.05	0084.75	053200.28
083750	0240W	000240N	055476.25	0090.14	053203.41
083800	0240W	000245N	055519.09	0163.98	053244.56
083810	0240W	000250N	055384.53	0095.62	053110.09
083820	0240W	000255N	055209.12	-0020.98	052934.69
083830	0240W	000260N	055202.26	0012.53	052927.64
083840	0240W	000265N	055225.93	0051.44	052951.21
083850	0240W	000270N	055155.81	0015.75	052881.17
083905	0240W	000275N	054914.08	-0134.23	052639.53
083920	0240W	000280N	054683.53	-0292.76	052409.06
083935	0240W	000285N	054834.36	-0241.07	052559.72
083945	0240W	000290N	055159.61	0017.51	052884.83
083955	0240W	000295N	055118.22	-0095.48	052843.70
084010	0240W	000300N	055274.90	0106.28	053000.59
084020	0240W	000305N	055099.81	-0090.07	052825.38
084030	0240W	000310N	055105.21	-0053.21	052832.53
084040	0240W	000315N	055147.78	-0019.67	052873.20
084050	0240W	000320N	055169.26	-0017.21	052894.99
084100	0240W	000325N	055204.92	-0002.89	052933.70
084110	0240W	000330N	055247.28	0018.12	052972.97
084135	0250W	000330N	055244.22	0006.48	052969.79
084145	0250W	000325N	055268.50	0037.33	052993.96
084155	0250W	000320N	055240.71	0029.01	052966.44
084205	0250W	000315N	055188.82	-0004.85	052914.40
084215	0250W	000310N	055179.07	-0006.83	052904.82
084225	0250W	000305N	055189.74	-0003.87	052915.62
084240	0250W	000300N	055183.07	-0010.44	052908.98
084250	0250W	000295N	055160.62	-0035.10	052886.60
084300	0250W	000290N	055236.07	-0021.53	052961.92
084310	0250W	000285N	055637.35	0354.17	053363.30
084335	0250W	000280N	055299.76	0048.19	053025.35
084350	0250W	000275N	055064.41	-0080.82	052790.33
084400	0250W	000270N	055053.23	-0087.07	052779.39
084410	0250W	000265N	055144.44	-0052.67	052870.40
084420	0250W	000260N	055220.10	-0033.33	052946.10
084430	0250W	000255N	055308.38	0003.32	053034.34
084445	0250W	000250N	055439.27	0048.46	053165.14
084500	0250W	000245N	055496.28	0074.73	053222.22
084510	0250W	000240N	055545.26	0117.12	053271.37
084525	0250W	000235N	055475.42	0055.58	053201.51
084540	0250W	000230N	055388.86	-0086.75	053114.89

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
084555	0250W	000225N	055931.55	0478.64	053657.74
084605	0250W	000220N	055593.09	0178.76	053318.58
084620	0250W	000215N	055336.38	0005.35	053062.04
084635	0250W	000210N	055282.67	-0004.66	053008.96
084650	0250W	000205N	055267.43	-0003.12	052994.09
084700	0250W	000200N	055265.89	0001.46	052992.44
084710	0250W	000195N	055267.06	0002.19	052994.12
084725	0250W	000190N	055267.21	0003.25	052993.37
084735	0250W	000185N	055264.76	0001.92	052990.92
084745	0250W	000180N	055267.19	0004.62	052993.34
084755	0250W	000175N	055269.77	0007.58	052995.89
084805	0250W	000170N	055267.17	0005.08	052994.37
084815	0250W	000165N	055268.33	0007.89	052994.20
084825	0250W	000160N	055263.76	0004.39	052989.43
084840	0250W	000155N	055261.95	0003.03	052987.80
084850	0250W	000150N	055262.47	0005.66	052988.61
084900	0250W	000145N	055260.69	0001.82	052986.80
084910	0250W	000140N	055261.16	-0000.07	052987.40
084925	0250W	000135N	055263.99	-0001.26	052990.33
084940	0250W	000130N	055270.19	0002.03	052997.02
084950	0250W	000125N	055271.60	0000.25	052998.34
085005	0250W	000120N	055274.61	-0001.87	053000.85
085035	0260W	000130N	055288.19	-0002.39	053014.68
085050	0260W	000135N	055276.95	-0000.75	053003.63
085100	0260W	000140N	055269.00	-0002.08	052995.64
085110	0260W	000145N	055266.19	-0001.41	052992.83
085120	0260W	000150N	055265.47	0000.51	052992.07
085130	0260W	000155N	055263.78	-0002.33	052990.41
085140	0260W	000160N	055265.39	-0000.96	052993.16
085150	0260W	000165N	055265.47	-0001.16	052992.18
085200	0260W	000170N	055265.90	-0000.46	052992.73
085210	0260W	000175N	055265.75	-0001.33	052992.35
085220	0260W	000180N	055265.10	-0001.50	052991.68
085230	0260W	000185N	055264.45	-0002.14	052990.77
085240	0260W	000190N	055265.72	-0000.89	052991.84
085250	0260W	000195N	055266.96	-0000.83	052993.40
085300	0260W	000200N	055269.36	-0001.28	052995.93
085310	0260W	000205N	055271.22	-0003.76	052999.22
085320	0260W	000210N	055276.72	-0006.76	053005.03
085330	0260W	000215N	055291.44	-0009.10	053018.45
085340	0260W	000220N	055302.17	-0020.12	053029.06
085400	0260W	000225N	055296.30	-0027.58	053023.33
085420	0260W	000230N	055379.63	0069.30	053106.66
085435	0260W	000235N	055442.79	0125.46	053169.90
085450	0260W	000240N	055293.94	-0087.46	053021.27
085505	0260W	000245N	055278.06	-0288.42	053005.57
085520	0260W	000250N	055433.89	-0287.07	053161.30
085535	0260W	000255N	055880.66	0381.17	053608.16
085550	0260W	000260N	055092.57	-0291.92	052820.04
085600	0260W	000265N	055294.78	-0021.94	053022.22
085615	0260W	000270N	055354.16	0026.08	053081.57

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
085630	0260W	000275N	055306.68	-0008.07	053034.22
085645	0260W	000280N	055310.46	0019.17	053037.86
085700	0260W	000285N	055261.35	-0002.83	052988.94
085710	0260W	000290N	055223.82	-0006.67	052951.45
085720	0260W	000295N	055195.72	-0021.46	052923.30
085730	0260W	000300N	055245.53	-0007.05	052973.61
085740	0260W	000305N	055139.82	-0060.67	052868.21
085750	0260W	000310N	055102.71	-0072.42	052831.73
085800	0260W	000315N	055192.25	0012.21	052920.02
085810	0260W	000320N	055210.98	-0001.10	052938.71
085825	0260W	000325N	055232.36	0004.85	052960.37
085835	0260W	000330N	055241.59	0002.92	052969.73
085910	0270W	000320N	055225.57	0015.75	052953.62
085920	0270W	000315N	055164.79	-0001.46	052892.72
085930	0270W	000310N	055067.23	-0080.57	052795.20
085940	0270W	000305N	055094.62	-0050.50	052822.87
085950	0270W	000300N	055120.57	-0027.33	052848.95
090000	0270W	000295N	055104.16	-0068.21	052832.56
090010	0270W	000290N	055169.80	-0032.10	052898.98
090020	0270W	000285N	055300.25	0038.21	053028.66
090030	0270W	000280N	055336.60	0013.55	053065.02
090045	0270W	000275N	055416.59	0010.12	053144.95
090100	0270W	000270N	056984.84	1555.55	054713.04
090115	0270W	000265N	056305.14	0540.64	054033.01
090125	0270W	000260N	055286.01	-0139.39	053014.08
090135	0270W	000255N	055107.72	-0127.73	052835.81
090145	0270W	000250N	055100.30	-0084.69	052828.35
090155	0270W	000245N	055127.87	-0043.28	052855.91
090215	0270W	000240N	054957.50	-0148.08	052685.26
090225	0270W	000235N	054907.89	-0220.98	052635.55
090240	0270W	000230N	055152.16	-0070.57	052880.35
090255	0270W	000225N	055224.72	-0026.16	052957.43
090310	0270W	000220N	055251.74	-0012.01	052980.32
090325	0270W	000215N	055259.77	-0007.21	052989.20
090335	0270W	000210N	055266.00	-0001.30	052994.81
090345	0270W	000205N	055268.22	0001.64	052997.02
090355	0270W	000200N	055268.78	0002.67	052997.74
090405	0270W	000195N	055267.82	0006.08	052996.60
090415	0270W	000190N	055266.00	0002.25	052994.76
090425	0270W	000185N	055267.87	0002.14	052996.42
090435	0270W	000180N	055271.24	0004.98	052999.73
090445	0270W	000175N	055271.29	0003.66	052999.70
090455	0270W	000170N	055272.52	0004.76	053000.76
090505	0270W	000165N	055272.85	0005.91	053000.98
090515	0270W	000160N	055272.61	0005.73	053000.81
090525	0270W	000155N	055271.64	0006.19	053001.15
090535	0270W	000150N	055269.92	0005.25	052998.70
090545	0270W	000145N	055268.13	0003.01	052997.00
090555	0270W	000140N	055270.15	0000.58	052999.72
090615	0270W	000135N	055282.29	-0001.92	053011.23
090625	0270W	000130N	055336.10	0028.46	053065.08

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
090710	0280W	000150N	055260.23	-0004.35	052988.44
090720	0280W	000155N	055266.15	-0001.91	052994.93
090730	0280W	000160N	055272.38	0000.28	053000.38
090740	0280W	000165N	055274.53	-0000.05	053002.58
090750	0280W	000170N	055273.14	-0001.82	053001.41
090805	0280W	000175N	055273.70	-0000.33	053001.98
090815	0280W	000180N	055273.85	0001.19	053002.12
090830	0280W	000185N	055272.54	0001.10	053001.12
090840	0280W	000190N	055268.99	-0000.80	052998.02
090855	0280W	000195N	055266.15	-0001.71	052995.12
090905	0280W	000200N	055265.04	-0001.08	052994.10
090915	0280W	000205N	055260.45	-0005.71	052989.55
090925	0280W	000210N	055250.21	-0015.89	052979.11
090940	0280W	000215N	055254.23	-0006.37	052983.17
090950	0280W	000220N	055250.23	-0009.28	052979.27
091000	0280W	000225N	055241.87	-0015.46	052970.74
091010	0280W	000230N	055235.76	-0016.42	052964.58
091025	0280W	000235N	055293.87	0022.87	053022.94
091040	0280W	000240N	055544.02	0267.48	053273.17
091055	0280W	000245N	055310.64	-0099.92	053039.75
091105	0280W	000250N	055157.84	-0093.92	052886.92
091120	0280W	000255N	055244.12	-0063.89	052973.18
091135	0280W	000260N	055219.42	-0083.91	052948.68
091150	0280W	000265N	055218.78	-0082.91	052947.99
091205	0280W	000270N	055250.46	-0057.26	052979.40
091215	0280W	000275N	055325.48	0035.01	053054.44
091225	0280W	000280N	055280.92	0003.48	053009.89
091235	0280W	000285N	055220.49	-0006.51	052949.43
091245	0280W	000290N	055089.81	-0059.75	052818.90
091255	0280W	000295N	055013.62	-0100.35	052742.65
091305	0280W	000300N	055085.47	-0044.23	052814.54
091325	0290W	000300N	055204.93	0001.51	052934.03
091335	0290W	000295N	055208.34	0009.25	052937.55
091350	0290W	000290N	055214.51	0010.78	052943.97
091400	0290W	000285N	055212.51	-0022.25	052942.41
091410	0290W	000280N	055231.64	-0031.58	052961.50
091425	0290W	000275N	055263.82	-0040.05	052993.72
091435	0290W	000270N	055273.88	-0057.96	053004.37
091450	0290W	000265N	055256.59	-0066.62	052987.39
091500	0290W	000260N	055247.52	-0068.80	052977.95
091515	0290W	000255N	055249.91	-0039.76	052979.99
091535	0290W	000250N	055220.94	-0035.07	052950.71
091550	0290W	000245N	055194.81	-0068.91	052924.41
091605	0290W	000240N	055248.18	-0046.08	052977.43
091615	0290W	000235N	055268.68	-0012.87	052997.90
091630	0290W	000230N	055262.62	-0007.10	052992.07
091640	0290W	000225N	055262.33	-0001.85	052991.77
091650	0290W	000220N	055264.03	0002.89	052993.83
091700	0290W	000215N	055263.18	0002.44	052993.22
091715	0290W	000210N	055265.57	-0003.17	052995.85
091730	0290W	000205N	055270.90	0001.08	053000.91

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
091740	0290W	000200N	055274.50	0003.48	053004.49
091750	0290W	000195N	055277.29	0007.30	053007.16
091800	0290W	000190N	055277.28	0005.25	053007.14
091815	0290W	000185N	055277.80	0004.58	053007.79
091825	0290W	000180N	055278.28	0003.12	053008.20
091840	0290W	000175N	055282.15	0004.58	053011.93
091855	0290W	000170N	055283.16	0004.71	053012.80
091905	0290W	000165N	055284.27	0007.19	053013.90
091915	0290W	000160N	055276.21	0003.78	053005.91
091940	0300W	000170N	055299.26	0000.37	053029.65
091950	0300W	000175N	055290.70	-0003.35	053020.91
092000	0300W	000180N	055284.09	-0001.48	053014.15
092010	0300W	000185N	055278.93	-0001.64	053008.79
092025	0300W	000190N	055276.22	-0001.64	053006.66
092040	0300W	000195N	055272.41	-0005.67	053003.13
092050	0300W	000200N	055274.35	-0001.37	053003.86
092105	0300W	000205N	055275.66	-0000.64	053005.19
092115	0300W	000210N	055275.23	-0002.48	053008.60
092125	0300W	000215N	055274.73	-0003.60	053004.07
092135	0300W	000220N	055272.35	-0008.35	053001.35
092150	0300W	000225N	055270.09	-0010.89	052999.49
092205	0300W	000230N	055278.04	-0006.92	053007.70
092215	0300W	000235N	055286.39	-0009.41	053016.38
092225	0300W	000240N	055297.02	-0018.69	053026.95
092235	0300W	000245N	055325.37	-0023.69	053055.24
092245	0300W	000250N	055374.43	-0043.39	053104.24
092305	0300W	000255N	055496.99	0004.98	053226.60
092320	0300W	000260N	055862.43	-0024.08	053592.20
092330	0300W	000265N	056341.90	0158.69	054071.99
092340	0300W	000270N	055795.16	-0009.87	053525.54
092350	0300W	000275N	055341.32	-0099.73	053071.22
092400	0300W	000280N	055273.10	-0058.87	053002.63
092410	0300W	000285N	055216.54	-0044.44	052945.62
092420	0300W	000290N	055210.67	-0028.50	052939.70
092455	0310W	000280N	055347.86	-0024.12	053076.62
092510	0310W	000275N	055513.85	-0018.85	053242.98
092525	0310W	000270N	056101.66	0146.03	053831.27
092535	0310W	000265N	057576.93	0686.16	055306.26
092550	0310W	000260N	056897.46	0441.30	054626.90
092605	0310W	000255N	055789.68	-0008.41	053519.88
092615	0310W	000250N	055510.66	-0027.82	053240.34
092630	0310W	000245N	055394.19	-0018.00	053123.97
092640	0310W	000240N	055339.15	-0006.87	053069.03
092655	0310W	000235N	055316.67	-0005.73	053046.13
092705	0310W	000230N	055302.21	-0000.83	053031.69
092715	0310W	000225N	055290.03	-0003.05	053019.59
092725	0310W	000220N	055287.01	-0001.01	053016.60
092735	0310W	000215N	055284.32	0002.30	053014.08
092750	0310W	000210N	055283.12	0003.80	053012.85
092800	0310W	000205N	055280.35	0002.89	053010.29
092810	0310W	000200N	055277.62	0002.21	053008.86

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
092820	0310W	000195N	055275.35	-0000.80	053007.70
092830	0310W	000190N	055275.68	-0001.21	053006.34
092840	0310W	000185N	055280.64	0002.30	053011.26
092850	0310W	000180N	055291.83	-0003.85	053022.42
093250	0320W	000180N	055281.28	-0027.35	053014.10
093300	0320W	000185N	055265.30	-0018.53	052997.05
093310	0320W	000190N	055269.74	-0008.76	053001.48
093325	0320W	000195N	055272.84	-0005.60	053004.47
093335	0320W	000200N	055277.65	-0000.98	053009.22
093345	0320W	000205N	055278.98	-0002.64	053010.56
093400	0320W	000210N	055280.76	-0001.46	053012.83
093410	0320W	000215N	055282.62	-0002.60	053014.42
093420	0320W	000220N	055289.37	-0000.16	053021.00
093435	0320W	000225N	055298.70	0003.00	053030.48
093445	0320W	000230N	055301.20	-0006.51	053032.92
093455	0320W	000235N	055313.98	-0004.76	053045.79
093505	0320W	000240N	055343.54	-0006.41	053075.40
093515	0320W	000245N	055385.86	-0004.85	053117.66
093525	0320W	000250N	055444.46	-0003.51	053176.18
093535	0320W	000255N	055559.10	0013.91	053290.71
093550	0320W	000260N	055633.69	0043.64	053367.65
093605	0320W	000265N	055678.72	0074.64	053410.65
093615	0320W	000270N	055615.21	0066.80	053347.00
093625	0320W	000275N	055489.51	0034.92	053221.19
093635	0320W	000280N	055382.08	0006.17	053114.00
093705	0330W	000270N	055483.63	0048.33	053215.76
093715	0330W	000265N	055477.44	0035.85	053209.95
093725	0330W	000260N	055446.17	0018.44	053178.12
093735	0330W	000255N	055414.15	0011.01	053145.97
093745	0330W	000250N	055377.06	0004.69	053108.83
093755	0330W	000245N	055350.05	0004.14	053082.65
093805	0330W	000240N	055324.47	0002.41	053056.58
093815	0330W	000235N	055310.71	-0000.10	053042.88
093825	0330W	000230N	055300.07	0000.17	053032.18
093835	0330W	000225N	055296.93	0004.23	053029.02
093845	0330W	000220N	055291.88	0004.03	053024.00
093855	0330W	000215N	055287.60	0004.44	053019.80
093905	0330W	000210N	055281.52	0001.05	053013.83
093915	0330W	000205N	055279.60	-0001.32	053012.01
093925	0330W	000200N	055284.20	-0000.44	053016.51
093935	0330W	000195N	055291.78	0002.67	053024.13
093950	0330W	000190N	055297.34	0002.14	053030.02
095455	0400W	000000N	055220.15	0000.26	052953.58
095505	0400W	000005N	055219.14	-0000.69	052952.68
095525	0400W	000010N	055219.26	-0000.08	052954.00
095545	0400W	000015N	055219.63	0000.28	052953.35
095550	0400W	000020N	055219.61	0000.23	052953.40
095850	0500W	000000N	055290.79	0011.98	053026.00
095905	0500W	000005N	055291.72	0012.25	053025.30
095915	0500W	000010N	055291.75	0011.87	053025.21
095925	0500W	000015N	055291.82	0012.08	053025.34

TIME	LINE	STATION NUMBER	UNREDUCED TOT FLD (nT)	GRAD (nT/m)	REDUCED TOT FLD (nT)
095935	0500W	000020N	055291.96	0011.87	053025.68

APPENDIX D.6.

BASE STATION MAGNETOMETER DATA FOR AREA J SURVEY

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
072750	027824.53	-175.47	-175.47
072755	024498.62	-325.91	-501.38
072800	024177.14	-321.48	-822.86
072805	018951.38	-225.76	-048.62
072810	019468.86	517.48	-531.14
072815	016139.21	-329.65	-860.79
072820	013489.08	-650.13	-510.92
072825	030443.81	954.73	-556.19
072830	021812.48	-631.33	-187.52
072835	024497.87	685.39	-502.13
072840	019727.70	-770.17	-272.30
072845	030396.58	668.88	-603.42
072850	037394.02	997.44	-605.98
072855	026108.12	-285.90	-891.88
072900	027047.61	939.49	-952.39
072905	025546.48	-501.13	-453.52
072910	036890.25	343.77	-109.75
072915	027614.35	-275.90	-385.65
072920	027289.48	-324.87	-710.52
072925	034368.36	078.88	-631.64
072930	028775.36	-593.00	-224.64
072935	026411.71	-363.65	-588.29
072940	028307.67	895.96	-692.33
072945	032234.76	927.09	-765.24
072950	025452.74	-782.02	-547.26
072955	029512.86	060.12	-487.14
073000	021880.15	-632.71	-119.85
073005	035675.37	795.22	-324.63
073010	029008.91	-666.46	-991.09
073015	023362.71	-646.20	-637.29
073020	031237.85	875.14	-762.15
073025	032095.46	857.61	-904.54
073030	037285.95	190.49	-714.05
073035	033030.61	-255.34	-969.39
073040	026395.37	-635.24	-604.63
073045	040077.97	682.60	-922.03
073050	025373.79	-704.18	-626.21
073055	032398.38	024.59	-601.62
073100	030062.93	-335.45	-937.07
073105	031012.59	949.66	-987.41
073110	032674.55	661.96	-325.45
073115	033491.89	817.34	-508.11
073120	026057.83	-434.06	-942.17
073125	037950.69	892.86	-049.31
073130	032942.90	-007.79	-057.10
073135	027153.56	-789.34	-846.44
073140	031612.28	458.72	-387.72
073145	027753.90	-858.38	-246.10
073150	035405.06	651.16	-594.94

[1] Each succeeding value is the difference between preceding value and the current value.

[2] Cumulative difference of preceding column.

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
073155	031962.53	-442.53	-037.47
073200	029072.00	-890.53	-928.00
073205	029605.55	533.55	-394.45
073210	038850.82	245.27	-149.18
073215	021870.43	-980.39	-129.57
073220	032117.83	247.40	-882.17
073225	025380.20	-737.63	-619.80
073230	031966.51	586.31	-033.49
073235	025949.69	-016.82	-050.31
073240	026497.25	547.56	-502.75
073245	038966.69	469.44	-033.31
073250	034628.18	-338.51	-371.82
073255	037250.52	622.34	-749.48
073300	031460.75	-789.77	-539.25
073305	032027.96	567.21	-972.04
073310	026106.82	-921.14	-893.18
073315	027330.41	223.59	-669.59
073320	032850.63	520.22	-149.37
073325	029662.50	-188.13	-337.50
073330	032292.63	630.13	-707.37
073335	026501.21	-791.42	-498.79
073340	041872.49	371.28	-127.51
073345	027366.71	-505.78	-633.29
073350	032780.29	413.58	-219.71
073355	028334.13	-446.16	-665.87
073400	029715.52	381.39	-284.48
073405	028458.96	-256.56	-541.04
073410	033420.91	961.95	-579.09
073415	030585.25	-835.66	-414.75
073420	026631.74	-953.51	-368.26
073425	035937.91	306.17	-062.09
073430	029136.54	-801.37	-863.46
073435	031328.50	191.96	-671.50
073440	038447.85	119.35	-552.15
073445	029284.32	-163.53	-715.68
073450	033933.70	649.38	-066.30
073455	028377.64	-556.06	-622.36
073500	030820.34	442.70	-179.66
073505	032515.38	695.04	-484.62
073510	024768.64	-746.74	-231.36
073515	027605.40	836.76	-394.60
073520	025771.25	-834.15	-228.75
073525	042378.33	607.08	-621.67
073530	037146.20	-232.13	-853.80
073535	034751.84	-394.36	-248.16
073540	023016.05	-735.79	-983.95
073545	031558.70	542.65	-441.30
073550	025916.66	-642.04	-083.34
073555	037971.48	054.82	-028.52
073600	037432.96	-538.52	-567.04
073605	029196.66	-236.30	-803.34
073610	029476.38	279.72	-523.62
073615	032628.80	152.42	-371.20
073620	027788.26	-840.54	-211.74

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
073625	028249.83	461.57	-750.17
073630	027223.96	-025.87	-776.04
073635	030305.54	081.58	-694.46
073640	031325.07	019.53	-674.93
073645	028685.73	-639.34	-314.27
073650	030650.81	965.08	-349.19
073655	036757.02	106.21	-242.98
073700	027106.21	-650.81	-893.79
073705	032677.58	571.37	-322.42
073710	030846.52	-831.06	-153.48
073715	029073.12	-773.40	-926.88
073720	028129.59	-943.53	-870.41
073725	025484.44	-645.15	-515.56
073730	028551.47	067.03	-448.53
073735	031021.88	470.41	-978.12
073740	027102.15	-919.73	-897.85
073745	036125.64	023.49	-874.36
073750	037382.26	256.62	-617.74
073755	034043.54	-338.72	-956.46
073800	026876.04	-167.50	-123.96
073805	035283.21	407.17	-716.79
073810	029517.39	-765.82	-482.61
073815	037136.53	619.14	-863.47
073820	034403.93	-732.60	-596.07
073825	031541.81	-862.12	-458.19
073830	029578.88	-962.93	-421.12
073835	024026.47	-552.41	-973.53
073840	029145.70	119.23	-854.30
073845	030229.76	084.06	-770.24
073850	040790.90	561.14	-209.10
073855	029160.82	-630.08	-839.18
073900	030382.85	222.03	-617.15
073905	025172.14	-210.71	-827.86
073910	028883.64	711.50	-116.36
073915	023685.06	-198.58	-314.94
073920	031056.65	371.59	-943.35
073925	026382.27	-674.38	-617.73
073930	029553.30	171.03	-446.70
073935	031128.86	575.56	-871.14
073940	029954.46	-174.40	-045.54
073945	020306.03	-648.43	-693.97
073950	034755.17	449.14	-244.83
073955	022307.87	-447.30	-692.13
074000	035632.24	324.37	-367.76
074005	028496.26	-135.98	-503.74
074010	029477.31	981.05	-522.69
074015	032877.26	399.95	-122.74
074020	030987.90	-889.36	-012.10
074025	033808.70	820.80	-191.30
074030	023611.15	-197.55	-388.85
074035	036624.88	013.73	-375.12
074040	028247.30	-377.58	-752.70
074045	034469.50	222.20	-530.50
074050	026813.41	-656.09	-186.59

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
074055	041385.18	571.77	-614.82
074100	032638.43	-746.75	-361.57
074105	028248.56	-389.87	-751.44
074110	042237.78	989.22	-762.22
074115	030119.80	-117.98	-880.20
074120	036069.30	949.50	-930.70
074125	028838.89	-230.41	-161.11
074130	030268.19	429.30	-731.81
074135	034191.35	923.16	-808.65
074140	030584.55	-606.80	-415.45
074145	031929.28	344.73	-070.72
074150	026641.64	-287.64	-358.36
074155	031837.04	195.40	-162.96
074200	032844.78	007.74	-155.22
074205	030826.82	-017.96	-173.18
074210	029017.19	-809.63	-982.81
074215	028903.59	-113.60	-096.41
074220	028707.49	-196.10	-292.51
074225	037256.05	548.56	-743.95
074230	035144.59	-111.46	-855.41
074235	020257.05	-887.54	-742.95
074240	043800.36	543.31	-199.64
074245	032402.08	-398.28	-597.92
074250	029016.39	-385.69	-983.61
074255	033032.97	016.58	-967.03
074300	026025.35	-007.62	-974.65
074305	029742.70	717.35	-257.30
074310	034578.06	835.36	-421.94
074315	028273.87	-304.19	-726.13
074320	054125.00	851.13	125.00
074325	052265.57	-859.43	-734.43
074330	055322.96	057.39	322.96
074335	055240.31	-082.65	240.31
074340	055248.78	008.47	248.78
074345	055275.90	027.12	275.90
074350	055253.62	-022.28	253.62
074355	055284.37	030.75	284.37
074400	055283.48	-000.89	283.48
074405	055281.29	-002.19	281.29
074410	055281.91	000.62	281.91
074415	055281.27	-000.64	281.27
074420	055280.96	-000.31	280.96
074425	055282.11	001.15	282.11
074430	055280.69	-001.42	280.69
074435	055277.01	-003.68	277.01
074440	055274.03	-002.98	274.03
074445	055408.55	134.52	408.55
074450	055142.76	-265.79	142.76
074455	055136.95	-005.81	136.95
074500	054998.61	-138.34	998.61
074505	055184.94	186.33	184.94
074510	055302.92	117.98	302.92
074515	055260.03	-042.89	260.03
074520	055102.37	-157.66	102.37

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
074525	055082.45	-019.92	082.45
074530	055276.94	194.49	276.94
074535	055279.08	002.14	279.08
074540	055293.74	014.66	293.74
074545	055297.65	003.91	297.65
074550	055302.18	004.53	302.18
074555	055281.38	-020.80	281.38
074600	055231.09	-050.29	231.09
074605	055194.57	-036.52	194.57
074610	055194.65	000.08	194.65
074615	055274.63	079.98	274.63
074620	055278.65	004.02	278.65
074625	055278.60	-000.05	278.60
074630	055272.89	-005.71	272.89
074635	055274.84	001.95	274.84
074640	055275.73	000.89	275.73
074645	055276.11	000.38	276.11
074650	055275.23	-000.88	275.23
074655	055255.40	-019.83	255.40
074700	055274.85	019.45	274.85
074705	055275.66	000.81	275.66
074710	055274.02	-001.64	274.02
074715	055275.46	001.44	275.46
074720	055277.15	001.69	277.15
074725	055277.04	-000.11	277.04
074730	055278.62	001.58	278.62
074735	055278.23	-000.39	278.23
074740	055278.19	-000.04	278.19
074745	055277.43	-000.76	277.43
074750	055275.98	-001.45	275.98
074755	055276.33	000.35	276.33
074800	055275.30	-001.03	275.30
074805	055277.69	002.39	277.69
074810	055277.57	-000.12	277.57
074815	055277.55	-000.02	277.55
074820	055277.56	000.01	277.56
074825	055277.49	-000.07	277.49
074830	055275.68	-001.81	275.68
074835	055277.46	001.78	277.46
074840	055277.46	000.00	277.46
074845	055277.55	000.09	277.55
074850	055277.62	000.07	277.62
074855	055277.51	-000.11	277.51
074900	055277.46	-000.05	277.46
074905	055277.50	000.04	277.50
074910	055277.48	-000.02	277.48
074915	055277.46	-000.02	277.46
074920	055277.52	000.06	277.52
074925	055277.50	-000.02	277.50
074930	055277.40	-000.10	277.40
074935	055277.40	000.00	277.40
074940	055277.32	-000.08	277.32
074945	055277.32	000.00	277.32
074950	055276.78	-000.54	276.78

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
074955	055276.03	-000.75	276.03
075000	055276.70	000.67	276.70
075005	055277.21	000.51	277.21
075010	055277.22	000.01	277.22
075015	055277.07	-000.15	277.07
075020	055277.17	000.10	277.17
075025	055277.17	000.00	277.17
075030	055277.15	-000.02	277.15
075035	055277.18	000.03	277.18
075040	055277.26	000.08	277.26
075045	055277.18	-000.08	277.18
075050	055277.14	-000.04	277.14
075055	055277.18	000.04	277.18
075100	055277.15	-000.03	277.15
075105	055277.10	-000.05	277.10
075110	055277.11	000.01	277.11
075115	055277.11	000.00	277.11
075120	055277.15	000.04	277.15
075125	055277.06	-000.09	277.06
075130	055277.09	000.03	277.09
075135	055277.09	000.00	277.09
075140	055276.98	-000.11	276.98
075145	055277.03	000.05	277.03
075150	055277.01	-000.02	277.01
075155	055276.94	-000.07	276.94
075200	055276.98	000.04	276.98
075205	055276.98	000.00	276.98
075210	055276.88	-000.10	276.88
075215	055276.84	-000.04	276.84
075220	055276.71	-000.13	276.71
075225	055276.23	-000.48	276.23
075230	055274.47	-001.76	274.47
075235	055273.77	-000.70	273.77
075240	055276.15	002.38	276.15
075245	055276.80	000.65	276.80
075250	055276.92	000.12	276.92
075255	055277.00	000.08	277.00
075300	055277.14	000.14	277.14
075305	055277.01	-000.13	277.01
075310	055277.04	000.03	277.04
075315	055277.02	-000.02	277.02
075320	055276.99	-000.03	276.99
075325	055276.56	-000.43	276.56
075330	055266.93	-009.63	266.93
075335	055276.76	009.83	276.76
075340	055277.05	000.29	277.05
075345	055277.00	-000.05	277.00
075350	055277.06	000.06	277.06
075355	055276.97	-000.09	276.97
075400	055277.05	000.08	277.05
075405	055277.00	-000.05	277.00
075410	055277.06	000.06	277.06
075415	055277.02	-000.04	277.02
075420	055277.00	-000.02	277.00

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
075425	055276.91	-000.09	276.91
075430	055276.94	000.03	276.94
075435	055276.91	-000.03	276.91
075440	055276.89	-000.02	276.89
075445	055276.90	000.01	276.90
075450	055276.96	000.06	276.96
075455	055277.04	000.08	277.04
075500	055276.73	-000.31	276.73
075505	055276.84	000.11	276.84
075510	055276.90	000.06	276.90
075515	055276.77	-000.13	276.77
075520	055276.90	000.13	276.90
075525	055276.85	-000.05	276.85
075530	055276.86	000.01	276.86
075535	055276.97	000.11	276.97
075540	055276.96	-000.01	276.96
075545	055276.92	-000.04	276.92
075550	055276.57	-000.35	276.57
075555	055276.67	000.10	276.67
075600	055276.74	000.07	276.74
075605	055276.80	000.06	276.80
075610	055276.82	000.02	276.82
075615	055276.72	-000.10	276.72
075620	055276.75	000.03	276.75
075625	055274.50	-002.25	274.50
075630	055276.30	001.80	276.30
075635	055276.64	000.34	276.64
075640	055276.53	-000.11	276.53
075645	055276.47	-000.06	276.47
075650	055276.32	-000.15	276.32
075655	055276.38	000.06	276.38
075700	055275.45	-000.93	275.45
075705	055276.64	001.19	276.64
075710	055276.63	-000.01	276.63
075715	055275.62	-001.01	275.62
075720	055276.61	000.99	276.61
075725	055276.65	000.04	276.65
075730	055276.66	000.01	276.66
075735	055276.85	000.19	276.85
075740	055276.88	000.03	276.88
075745	055276.85	-000.03	276.85
075750	055276.72	-000.13	276.72
075755	055276.87	000.15	276.87
075800	055276.80	-000.07	276.80
075805	055276.58	-000.22	276.58
075810	055276.75	000.17	276.75
075815	055276.88	000.13	276.88
075820	055276.86	-000.02	276.86
075825	055276.77	-000.09	276.77
075830	055276.77	000.00	276.77
075835	055277.08	000.31	277.08
075840	055277.09	000.01	277.09
075845	055277.06	-000.03	277.06
075850	055277.06	000.00	277.06

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
075855	055277.06	000.00	277.06
075900	055277.10	000.04	277.10
075905	055277.02	-000.08	277.02
075910	055277.12	000.10	277.12
075915	055277.04	-000.08	277.04
075920	055277.07	000.03	277.07
075925	055277.07	000.00	277.07
075930	055276.98	-000.09	276.98
075935	055276.95	-000.03	276.95
075940	055276.93	-000.02	276.93
075945	055276.90	-000.03	276.90
075950	055276.86	-000.04	276.86
075955	055276.86	000.00	276.86
080000	055276.82	-000.04	276.82
080005	055276.74	-000.08	276.74
080010	055276.71	-000.03	276.71
080015	055276.71	000.00	276.71
080020	055276.62	-000.09	276.62
080025	055276.66	000.04	276.66
080030	055276.59	-000.07	276.59
080035	055276.46	-000.13	276.46
080040	055276.55	000.09	276.55
080045	055276.48	-000.07	276.48
080050	055276.54	000.06	276.54
080055	055276.56	000.02	276.56
080100	055276.42	-000.14	276.42
080105	055276.13	-000.29	276.13
080110	055276.06	-000.07	276.06
080115	055276.43	000.37	276.43
080120	055276.48	000.05	276.48
080125	055276.48	000.00	276.48
080130	055276.36	-000.12	276.36
080135	055276.08	-000.28	276.08
080140	055275.53	-000.55	275.53
080145	055273.14	-002.39	273.14
080150	055275.97	002.83	275.97
080155	055276.11	000.14	276.11
080200	055275.50	-000.61	275.50
080205	055272.52	-002.98	272.52
080210	055274.46	001.94	274.46
080215	055275.98	001.52	275.98
080220	055276.17	000.19	276.17
080225	055276.29	000.12	276.29
080230	055276.29	000.00	276.29
080235	055276.26	-000.03	276.26
080240	055276.19	-000.07	276.19
080245	055276.23	000.04	276.23
080250	055276.22	-000.01	276.22
080255	055276.19	-000.03	276.19
080300	055276.13	-000.06	276.13
080305	055276.21	000.08	276.21
080310	055276.05	-000.16	276.05
080315	055276.05	000.00	276.05
080320	055276.00	-000.05	276.00

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
080325	055269.38	-006.62	269.38
080330	055275.88	006.50	275.88
080335	055275.94	000.06	275.94
080340	055276.01	000.07	276.01
080345	055275.90	-000.11	275.90
080350	055275.24	-000.66	275.24
080355	055275.82	000.58	275.82
080400	055275.90	000.08	275.90
080405	055275.95	000.05	275.95
080410	055275.93	-000.02	275.93
080415	055275.87	-000.06	275.87
080420	055275.83	-000.04	275.83
080425	055275.81	-000.02	275.81
080430	055275.69	-000.12	275.69
080435	055275.82	000.13	275.82
080440	055275.82	000.00	275.82
080445	055275.68	-000.14	275.68
080450	055275.57	-000.11	275.57
080455	055275.62	000.05	275.62
080500	055275.32	-000.30	275.32
080505	055273.41	-001.91	273.41
080510	055275.40	001.99	275.40
080515	055275.51	000.11	275.51
080520	055275.46	-000.05	275.46
080525	055275.57	000.11	275.57
080530	055275.52	-000.05	275.52
080535	055275.45	-000.07	275.45
080540	055275.43	-000.02	275.43
080545	055273.50	-001.93	273.50
080550	055274.95	001.45	274.95
080555	055275.20	000.25	275.20
080600	055275.34	000.14	275.34
080605	055274.97	-000.37	274.97
080610	055274.80	-000.17	274.80
080615	055275.28	000.48	275.28
080620	055275.26	-000.02	275.26
080625	055275.33	000.07	275.33
080630	055275.30	-000.03	275.30
080635	055275.16	-000.14	275.16
080640	055275.14	-000.02	275.14
080645	055275.18	000.04	275.18
080650	055275.24	000.06	275.24
080655	055275.12	-000.12	275.12
080700	055274.79	-000.33	274.79
080705	055274.84	000.05	274.84
080710	055275.05	000.21	275.05
080715	055275.04	-000.01	275.04
080720	055274.93	-000.11	274.93
080725	055274.10	-000.83	274.10
080730	055274.67	000.57	274.67
080735	055274.96	000.29	274.96
080740	055275.01	000.05	275.01
080745	055274.93	-000.08	274.93
080750	055274.78	-000.15	274.78

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
080755	055274.74	-000.04	274.74
080800	055274.68	-000.06	274.68
080805	055274.61	-000.07	274.61
080810	055274.56	-000.05	274.56
080815	055274.52	-000.04	274.52
080820	055274.23	-000.29	274.23
080825	055273.47	-000.76	273.47
080830	055274.14	000.67	274.14
080835	055274.26	000.12	274.26
080840	055274.19	-000.07	274.19
080845	055274.26	000.07	274.26
080850	055274.16	-000.10	274.16
080855	055274.13	-000.03	274.13
080900	055274.11	-000.02	274.11
080905	055273.92	-000.19	273.92
080910	055273.98	000.06	273.98
080915	055273.99	000.01	273.99
080920	055273.94	-000.05	273.94
080925	055273.92	-000.02	273.92
080930	055273.73	-000.19	273.73
080935	055273.83	000.10	273.83
080940	055273.83	000.00	273.83
080945	055273.79	-000.04	273.79
080950	055273.63	-000.16	273.63
080955	055273.69	000.06	273.69
081000	055273.31	-000.38	273.31
081005	055271.55	-001.76	271.55
081010	055273.39	001.84	273.39
081015	055273.62	000.23	273.62
081020	055273.52	-000.10	273.52
081025	055273.57	000.05	273.57
081030	055273.41	-000.16	273.41
081035	055273.29	-000.12	273.29
081040	055273.39	000.10	273.39
081045	055273.36	-000.03	273.36
081050	055273.40	000.04	273.40
081055	055273.36	-000.04	273.36
081100	055273.37	000.01	273.37
081105	055273.33	-000.04	273.33
081110	055273.18	-000.15	273.18
081115	055273.26	000.08	273.26
081120	055273.16	-000.10	273.16
081125	055271.82	-001.34	271.82
081130	055273.18	001.36	273.18
081135	055273.25	000.07	273.25
081140	055273.20	-000.05	273.20
081145	055273.15	-000.05	273.15
081150	055272.49	-000.66	272.49
081155	055273.18	000.69	273.18
081200	055273.11	-000.07	273.11
081205	055273.31	000.20	273.31
081210	055273.20	-000.11	273.20
081215	055273.08	-000.12	273.08
081220	055272.60	-000.48	272.60

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
081225	055270.32	-002.28	270.32
081230	055271.00	000.68	271.00
081235	055272.86	001.86	272.86
081240	055273.18	000.32	273.18
081245	055273.30	000.12	273.30
081250	055273.22	-000.08	273.22
081255	055273.32	000.10	273.32
081300	055273.27	-000.05	273.27
081305	055273.34	000.07	273.34
081310	055273.39	000.05	273.39
081315	055273.33	-000.06	273.33
081320	055273.28	-000.05	273.28
081325	055273.40	000.12	273.40
081330	055273.38	-000.02	273.38
081335	055273.30	-000.08	273.30
081340	055273.42	000.12	273.42
081345	055273.42	000.00	273.42
081350	055273.50	000.08	273.50
081355	055273.55	000.05	273.55
081400	055273.56	000.01	273.56
081405	055273.35	-000.21	273.35
081410	055273.20	-000.15	273.20
081415	055273.11	-000.09	273.11
081420	055273.64	000.53	273.64
081425	055273.65	000.01	273.65
081430	055273.68	000.03	273.68
081435	055273.70	000.02	273.70
081440	055273.71	000.01	273.71
081445	055273.64	-000.07	273.64
081450	055273.77	000.13	273.77
081455	055273.67	-000.10	273.67
081500	055273.64	-000.03	273.64
081505	055273.66	000.02	273.66
081510	055273.71	000.05	273.71
081515	055273.70	-000.01	273.70
081520	055273.69	-000.01	273.69
081525	055273.65	-000.04	273.65
081530	055273.62	-000.03	273.62
081535	055273.55	-000.07	273.55
081540	055272.84	-000.71	272.84
081545	055273.04	000.20	273.04
081550	055273.44	000.40	273.44
081555	055273.50	000.06	273.50
081600	055273.48	-000.02	273.48
081605	055273.53	000.05	273.53
081610	055273.46	-000.07	273.46
081615	055273.40	-000.06	273.40
081620	055273.42	000.02	273.42
081625	055273.42	000.00	273.42
081630	055273.25	-000.17	273.25
081635	055273.23	-000.02	273.23
081640	055272.62	-000.61	272.62
081645	055273.09	000.47	273.09
081650	055273.30	000.21	273.30

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
081655	055273.28	-000.02	273.28
081700	055273.23	-000.05	273.23
081705	055273.22	-000.01	273.22
081710	055273.22	000.00	273.22
081715	055273.12	-000.10	273.12
081720	055273.20	000.08	273.20
081725	055273.11	-000.09	273.11
081730	055273.16	000.05	273.16
081735	055273.11	-000.05	273.11
081740	055273.09	-000.02	273.09
081745	055272.90	-000.19	272.90
081750	055272.91	000.01	272.91
081755	055272.85	-000.06	272.85
081800	055272.99	000.14	272.99
081805	055272.87	-000.12	272.87
081810	055272.48	-000.39	272.48
081815	055270.92	-001.56	270.92
081820	055269.96	-000.96	269.96
081825	055272.17	002.21	272.17
081830	055272.66	000.49	272.66
081835	055271.29	-001.37	271.29
081840	055269.98	-001.31	269.98
081845	055272.83	002.85	272.83
081850	055272.88	000.05	272.88
081855	055272.91	000.03	272.91
081900	055272.76	-000.15	272.76
081905	055272.68	-000.08	272.68
081910	055272.61	-000.07	272.61
081915	055272.47	-000.14	272.47
081920	055272.39	-000.08	272.39
081925	055272.36	-000.03	272.36
081930	055271.94	-000.42	271.94
081935	055272.11	000.17	272.11
081940	055272.27	000.16	272.27
081945	055272.43	000.16	272.43
081950	055272.46	000.03	272.46
081955	055272.38	-000.08	272.38
082000	055272.40	000.02	272.40
082005	055272.35	-000.05	272.35
082010	055272.36	000.01	272.36
082015	055272.18	-000.18	272.18
082020	055272.16	-000.02	272.16
082025	055272.14	-000.02	272.14
082030	055272.05	-000.09	272.05
082035	055272.09	000.04	272.09
082040	055272.00	-000.09	272.00
082045	055272.00	000.00	272.00
082050	055272.03	000.03	272.03
082055	055272.03	000.00	272.03
082100	055272.02	-000.01	272.02
082105	055271.99	-000.03	271.99
082110	055271.86	-000.13	271.86
082115	055271.74	-000.12	271.74
082120	055271.67	-000.07	271.67

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
082125	055270.51	-001.16	270.51
082130	055267.72	-002.79	267.72
082135	055271.26	003.54	271.26
082140	055271.55	000.29	271.55
082145	055271.48	-000.07	271.48
082150	055271.79	000.31	271.79
082155	055271.75	-000.04	271.75
082200	055271.84	000.09	271.84
082205	055271.82	-000.02	271.82
082210	055271.83	000.01	271.83
082215	055271.75	-000.08	271.75
082220	055271.80	000.05	271.80
082225	055271.78	-000.02	271.78
082230	055271.64	-000.14	271.64
082235	055271.71	000.07	271.71
082240	055271.58	-000.13	271.58
082245	055270.95	-000.63	270.95
082250	055271.63	000.68	271.63
082255	055271.70	000.07	271.70
082300	055271.62	-000.08	271.62
082305	055271.62	000.00	271.62
082310	055271.40	-000.22	271.40
082315	055271.66	000.26	271.66
082320	055271.33	-000.33	271.33
082325	055271.62	000.29	271.62
082330	055271.61	-000.01	271.61
082335	055271.51	-000.10	271.51
082340	055271.34	-000.17	271.34
082345	055269.75	-001.59	269.75
082350	055271.46	001.71	271.46
082355	055271.35	-000.11	271.35
082400	055271.14	-000.21	271.14
082405	055271.28	000.14	271.28
082410	055271.34	000.06	271.34
082415	055271.33	-000.01	271.33
082420	055271.30	-000.03	271.30
082425	055271.29	-000.01	271.29
082430	055271.29	000.00	271.29
082435	055271.31	000.02	271.31
082440	055271.32	000.01	271.32
082445	055271.28	-000.04	271.28
082450	055271.31	000.03	271.31
082455	055271.31	000.00	271.31
082500	055271.31	000.00	271.31
082505	055271.37	000.06	271.37
082510	055271.40	000.03	271.40
082515	055271.42	000.02	271.42
082520	055271.42	000.00	271.42
082525	055271.37	-000.05	271.37
082530	055271.46	000.09	271.46
082535	055271.47	000.01	271.47
082540	055271.45	-000.02	271.45
082545	055271.52	000.07	271.52
082550	055271.59	000.07	271.59

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
082555	055271.56	-000.03	271.56
082600	055271.67	000.11	271.67
082605	055271.66	-000.01	271.66
082610	055271.69	000.03	271.69
082615	055271.66	-000.03	271.66
082620	055271.65	-000.01	271.65
082625	055271.65	000.00	271.65
082630	055271.79	000.14	271.79
082635	055271.54	-000.25	271.54
082640	055271.51	-000.03	271.51
082645	055271.68	000.17	271.68
082650	055271.32	-000.36	271.32
082655	055270.73	-000.59	270.73
082700	055271.32	000.59	271.32
082705	055271.54	000.22	271.54
082710	055271.67	000.13	271.67
082715	055271.64	-000.03	271.64
082720	055271.74	000.10	271.74
082725	055271.69	-000.05	271.69
082730	055271.55	-000.14	271.55
082735	055271.67	000.12	271.67
082740	055271.52	-000.15	271.52
082745	055271.54	000.02	271.54
082750	055271.48	-000.06	271.48
082755	055271.63	000.15	271.63
082800	055271.63	000.00	271.63
082805	055271.66	000.03	271.66
082810	055271.66	000.00	271.66
082815	055271.66	000.00	271.66
082820	055271.53	-000.13	271.53
082825	055271.58	000.05	271.58
082830	055271.52	-000.06	271.52
082835	055271.50	-000.02	271.50
082840	055271.53	000.03	271.53
082845	055271.59	000.06	271.59
082850	055271.64	000.05	271.64
082855	055271.57	-000.07	271.57
082900	055271.56	-000.01	271.56
082905	055271.42	-000.14	271.42
082910	055269.67	-001.75	269.67
082915	055271.41	001.74	271.41
082920	055271.49	000.08	271.49
082925	055271.48	-000.01	271.48
082930	055271.54	000.06	271.54
082935	055271.56	000.02	271.56
082940	055271.48	-000.08	271.48
082945	055271.54	000.06	271.54
082950	055271.54	000.00	271.54
082955	055271.49	-000.05	271.49
083000	055271.41	-000.08	271.41
083005	055271.44	000.03	271.44
083010	055271.49	000.05	271.49
083015	055271.46	-000.03	271.46
083020	055271.43	-000.03	271.43

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
083025	055271.49	000.06	271.49
083030	055271.63	000.14	271.63
083035	055271.70	000.07	271.70
083040	055271.70	000.00	271.70
083045	055271.69	-000.01	271.69
083050	055271.36	-000.33	271.36
083055	055271.52	000.16	271.52
083100	055271.66	000.14	271.66
083105	055271.53	-000.13	271.53
083110	055271.55	000.02	271.55
083115	055271.60	000.05	271.60
083120	055271.47	-000.13	271.47
083125	055270.78	-000.69	270.78
083130	055271.47	000.69	271.47
083135	055271.60	000.13	271.60
083140	055271.45	-000.15	271.45
083145	055271.49	000.04	271.49
083150	055271.38	-000.11	271.38
083155	055271.02	-000.36	271.02
083200	055268.64	-002.38	268.64
083205	055266.71	-001.93	266.71
083210	055270.34	003.63	270.34
083215	055270.08	-000.26	270.08
083220	055270.03	-000.05	270.03
083225	055271.32	001.29	271.32
083230	055271.67	000.35	271.67
083235	055271.72	000.05	271.72
083240	055271.67	-000.05	271.67
083245	055271.55	-000.12	271.55
083250	055271.72	000.17	271.72
083255	055271.71	-000.01	271.71
083300	055271.71	000.00	271.71
083305	055271.71	000.00	271.71
083310	055271.61	-000.10	271.61
083315	055271.52	-000.09	271.52
083320	055271.48	-000.04	271.48
083325	055270.09	-001.39	270.09
083330	055269.86	-000.23	269.86
083335	055271.04	001.18	271.04
083340	055270.44	-000.60	270.44
083345	055271.10	000.66	271.10
083350	055270.73	-000.37	270.73
083355	055271.16	000.43	271.16
083400	055271.33	000.17	271.33
083405	055271.29	-000.04	271.29
083410	055271.20	-000.09	271.20
083415	055271.13	-000.07	271.13
083420	055271.17	000.04	271.17
083425	055271.05	-000.12	271.05
083430	055271.05	000.00	271.05
083435	055270.38	-000.67	270.38
083440	055270.80	000.42	270.80
083445	055270.78	-000.02	270.78
083450	055270.70	-000.08	270.70

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
083455	055270.63	-000.07	270.63
083500	055270.59	-000.04	270.59
083505	055270.45	-000.14	270.45
083510	055270.49	000.04	270.49
083515	055270.45	-000.04	270.45
083520	055270.41	-000.04	270.41
083525	055270.41	000.00	270.41
083530	055270.35	-000.06	270.35
083535	055270.35	000.00	270.35
083540	055270.29	-000.06	270.29
083545	055270.25	-000.04	270.25
083550	055270.25	000.00	270.25
083555	055270.13	-000.12	270.13
083600	055270.01	-000.12	270.01
083605	055270.04	000.03	270.04
083610	055269.97	-000.07	269.97
083615	055269.76	-000.21	269.76
083620	055269.71	-000.05	269.71
083625	055269.74	000.03	269.74
083630	055269.59	-000.15	269.59
083635	055269.64	000.05	269.64
083640	055269.63	-000.01	269.63
083645	055269.30	-000.33	269.30
083650	055268.56	-000.74	268.56
083655	055265.16	-003.40	265.16
083700	055268.15	002.99	268.15
083705	055269.42	001.27	269.42
083710	055269.53	000.11	269.53
083715	055269.55	000.02	269.55
083720	055269.46	-000.09	269.46
083725	055269.46	000.00	269.46
083730	055269.49	000.03	269.49
083735	055269.42	-000.07	269.42
083740	055269.27	-000.15	269.27
083745	055269.21	-000.06	269.21
083750	055269.26	000.05	269.26
083755	055269.37	000.11	269.37
083800	055269.38	000.01	269.38
083805	055269.34	-000.04	269.34
083810	055269.32	-000.02	269.32
083815	055269.27	-000.05	269.27
083820	055269.34	000.07	269.34
083825	055268.39	-000.95	268.39
083830	055269.50	001.11	269.50
083835	055269.56	000.06	269.56
083840	055269.62	000.06	269.62
083845	055269.76	000.14	269.76
083850	055269.57	-000.19	269.57
083855	055269.49	-000.08	269.49
083900	055269.42	-000.07	269.42
083905	055269.53	000.11	269.53
083910	055269.38	-000.15	269.38
083915	055269.52	000.14	269.52
083920	055269.61	000.09	269.61

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
083925	055269.56	-000.05	269.56
083930	055269.67	000.11	269.67
083935	055269.63	-000.04	269.63
083940	055269.72	000.09	269.72
083945	055269.65	-000.07	269.65
083950	055269.74	000.09	269.74
083955	055269.60	-000.14	269.60
084000	055269.58	-000.02	269.58
084005	055269.64	000.06	269.64
084010	055269.63	-000.01	269.63
084015	055269.69	000.06	269.69
084020	055269.66	-000.03	269.66
084025	055269.62	-000.04	269.62
084030	055269.20	-000.42	269.20
084035	055269.36	000.16	269.36
084040	055269.41	000.05	269.41
084045	055269.65	000.24	269.65
084050	055269.64	-000.01	269.64
084055	055269.66	000.02	269.66
084100	055269.83	000.17	269.83
084105	055269.86	000.03	269.86
084110	055269.88	000.02	269.88
084115	055269.90	000.02	269.90
084120	055269.99	000.09	269.99
084125	055270.02	000.03	270.02
084130	055270.08	000.06	270.08
084135	055269.94	-000.14	269.94
084140	055269.89	-000.05	269.89
084145	055269.89	000.00	269.89
084150	055269.96	000.07	269.96
084155	055269.90	-000.06	269.90
084200	055269.76	-000.14	269.76
084205	055269.84	000.08	269.84
084210	055269.89	000.05	269.89
084215	055269.97	000.08	269.97
084220	055269.82	-000.15	269.82
084225	055269.90	000.08	269.90
084230	055269.97	000.07	269.97
084235	055269.95	-000.02	269.95
084240	055269.99	000.04	269.99
084245	055270.11	000.12	270.11
084250	055270.15	000.04	270.15
084255	055270.20	000.05	270.20
084300	055270.19	-000.01	270.19
084305	055270.01	-000.18	270.01
084310	055270.18	000.17	270.18
084315	055270.26	000.08	270.26
084320	055270.21	-000.05	270.21
084325	055270.12	-000.09	270.12
084330	055270.19	000.07	270.19
084335	055270.16	-000.03	270.16
084340	055270.18	000.02	270.18
084345	055270.13	-000.05	270.13
084350	055270.14	000.01	270.14

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
084355	055270.13	-000.01	270.13
084400	055270.22	000.09	270.22
084405	055270.23	000.01	270.23
084410	055270.24	000.01	270.24
084415	055270.20	-000.04	270.20
084420	055270.15	-000.05	270.15
084425	055270.19	000.04	270.19
084430	055270.21	000.02	270.21
084435	055270.27	000.06	270.27
084440	055270.07	-000.20	270.07
084445	055269.46	-000.61	269.46
084450	055270.09	000.63	270.09
084455	055270.35	000.26	270.35
084500	055270.40	000.05	270.40
084505	055270.26	-000.14	270.26
084510	055270.22	-000.04	270.22
084515	055270.13	-000.09	270.13
084520	055269.67	-000.46	269.67
084525	055268.90	-000.77	268.90
084530	055270.13	001.23	270.13
084535	055270.21	000.08	270.21
084540	055270.12	-000.09	270.12
084545	055270.12	000.00	270.12
084550	055270.16	000.04	270.16
084555	055270.14	-000.02	270.14
084600	055270.13	-000.01	270.13
084605	055270.17	000.04	270.17
084610	055270.18	000.01	270.18
084615	055270.03	-000.15	270.03
084620	055270.00	-000.03	270.00
084625	055270.06	000.06	270.06
084630	055269.97	-000.09	269.97
084635	055260.78	-009.19	260.78
084640	055269.61	008.83	269.61
084645	055269.74	000.13	269.74
084650	055270.05	000.31	270.05
084655	055269.98	-000.07	269.98
084700	055269.89	-000.09	269.89
084705	055269.81	-000.08	269.81
084710	055269.79	-000.02	269.79
084715	055269.76	-000.03	269.76
084720	055269.84	000.08	269.84
084725	055269.73	-000.11	269.73
084730	055269.54	-000.19	269.54
084735	055268.63	-000.91	268.63
084740	055269.35	000.72	269.35
084745	055269.53	000.18	269.53
084750	055269.58	000.05	269.58
084755	055269.55	-000.03	269.55
084800	055269.32	-000.23	269.32
084805	055269.27	-000.05	269.27
084810	055269.50	000.23	269.50
084815	055269.57	000.07	269.57
084820	055269.61	000.04	269.61

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
084825	055269.57	-000.04	269.57
084830	055269.66	000.09	269.66
084835	055269.72	000.06	269.72
084840	055269.69	-000.03	269.69
084845	055268.56	-001.13	268.56
084850	055269.49	000.93	269.49
084855	055268.73	-000.76	268.73
084900	055265.53	-003.20	265.53
084905	055268.93	003.40	268.93
084910	055269.53	000.60	269.53
084915	055269.67	000.14	269.67
084920	055269.71	000.04	269.71
084925	055269.82	000.11	269.82
084930	055269.85	000.03	269.85
084935	055269.79	-000.06	269.79
084940	055269.72	-000.07	269.72
084945	055269.62	-000.10	269.62
084950	055269.16	-000.46	269.16
084955	055269.13	-000.03	269.13
085000	055269.62	000.49	269.62
085005	055269.72	000.10	269.72
085010	055269.77	000.05	269.77
085015	055269.83	000.06	269.83
085020	055269.71	-000.12	269.71
085025	055269.70	-000.01	269.70
085030	055269.72	000.02	269.72
085035	055269.65	-000.07	269.65
085040	055269.66	000.01	269.66
085045	055269.70	000.04	269.70
085050	055269.71	000.01	269.71
085055	055269.69	-000.02	269.69
085100	055269.68	-000.01	269.68
085105	055269.61	-000.07	269.61
085110	055269.61	000.00	269.61
085115	055269.69	000.08	269.69
085120	055269.56	-000.13	269.56
085125	055269.24	-000.32	269.24
085130	055268.59	-000.65	268.59
085135	055269.32	000.73	269.32
085140	055269.55	000.23	269.55
085145	055269.53	-000.02	269.53
085150	055269.57	000.04	269.57
085155	055269.60	000.03	269.60
085200	055269.52	-000.08	269.52
085205	055269.73	000.21	269.73
085210	055269.60	-000.13	269.60
085215	055269.43	-000.17	269.43
085220	055269.01	-000.42	269.01
085225	055268.94	-000.07	268.94
085230	055269.42	000.48	269.42
085235	055269.40	-000.02	269.40
085240	055269.41	000.01	269.41
085245	055269.46	000.05	269.46
085250	055269.36	-000.10	269.36

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
085255	055269.35	-000.01	269.35
085300	055269.39	000.04	269.39
085305	055269.22	-000.17	269.22
085310	055269.31	000.09	269.31
085315	055269.36	000.05	269.36
085320	055269.32	-000.04	269.32
085325	055269.32	000.00	269.32
085330	055269.41	000.09	269.41
085335	055269.44	000.03	269.44
085340	055269.32	-000.12	269.32
085345	055269.39	000.07	269.39
085350	055269.42	000.03	269.42
085355	055269.28	-000.14	269.28
085400	055269.27	-000.01	269.27
085405	055269.18	-000.09	269.18
085410	055269.04	-000.14	269.04
085415	055268.81	-000.23	268.81
085420	055267.18	-001.63	267.18
085425	055265.76	-001.42	265.76
085430	055268.15	002.39	268.15
085435	055268.12	-000.03	268.12
085440	055267.50	-000.62	267.50
085445	055268.73	001.23	268.73
085450	055268.94	000.21	268.94
085455	055268.86	-000.08	268.86
085500	055268.93	000.07	268.93
085505	055268.87	-000.06	268.87
085510	055268.84	-000.03	268.84
085515	055268.70	-000.14	268.70
085520	055268.75	000.05	268.75
085525	055268.63	-000.12	268.63
085530	055268.68	000.05	268.68
085535	055268.63	-000.05	268.63
085540	055268.37	-000.26	268.37
085545	055267.76	-000.61	267.76
085550	055268.30	000.54	268.30
085555	055268.62	000.32	268.62
085600	055268.42	-000.20	268.42
085605	055268.54	000.12	268.54
085610	055268.52	-000.02	268.52
085615	055268.45	-000.07	268.45
085620	055268.36	-000.09	268.36
085625	055268.35	-000.01	268.35
085630	055268.47	000.12	268.47
085635	055268.43	-000.04	268.43
085640	055268.36	-000.07	268.36
085645	055268.26	-000.10	268.26
085650	055268.29	000.03	268.29
085655	055268.28	-000.01	268.28
085700	055268.36	000.08	268.36
085705	055268.36	000.00	268.36
085710	055268.31	-000.05	268.31
085715	055268.04	-000.27	268.04
085720	055268.13	000.09	268.13

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
085725	055268.27	000.14	268.27
085730	055268.21	-000.06	268.21
085735	055267.66	-000.55	267.66
085740	055267.74	000.08	267.74
085745	055267.98	000.24	267.98
085750	055268.05	000.07	268.05
085755	055268.17	000.12	268.17
085800	055268.30	000.13	268.30
085805	055268.37	000.07	268.37
085810	055268.29	-000.08	268.29
085815	055268.14	-000.15	268.14
085820	055268.18	000.04	268.18
085825	055268.14	-000.04	268.14
085830	055268.05	-000.09	268.05
085835	055268.06	000.01	268.06
085840	055267.93	-000.13	267.93
085845	055267.87	-000.06	267.87
085850	055267.85	-000.02	267.85
085855	055267.94	000.09	267.94
085900	055267.91	-000.03	267.91
085905	055267.99	000.08	267.99
085910	055267.86	-000.13	267.86
085915	055267.88	000.02	267.88
085920	055267.83	-000.05	267.83
085925	055267.84	000.01	267.84
085930	055267.87	000.03	267.87
085935	055267.83	-000.04	267.83
085940	055267.78	-000.05	267.78
085945	055267.84	000.06	267.84
085950	055267.87	000.03	267.87
085955	055267.81	-000.06	267.81
090000	055266.69	-001.12	266.69
090005	055267.92	001.23	267.92
090010	055267.96	000.04	267.96
090015	055268.00	000.04	268.00
090020	055268.14	000.14	268.14
090025	055268.10	-000.04	268.10
090030	055267.58	-000.52	267.58
090035	055257.84	-009.74	257.84
090040	055267.43	009.59	267.43
090045	055267.89	000.46	267.89
090050	055267.84	-000.05	267.84
090055	055267.86	000.02	267.86
090100	055267.86	000.00	267.86
090105	055267.79	-000.07	267.79
090110	055267.70	-000.09	267.70
090115	055267.62	-000.08	267.62
090120	055267.69	000.07	267.69
090125	055267.69	000.00	267.69
090130	055267.68	-000.01	267.68
090135	055267.45	-000.23	267.45
090140	055267.50	000.05	267.50
090145	055267.54	000.04	267.54
090150	055267.55	000.01	267.55

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
090155	055267.54	-000.01	267.54
090200	055267.39	-000.15	267.39
090205	055267.41	000.02	267.41
090210	055267.34	-000.07	267.34
090215	055267.24	-000.10	267.24
090220	055267.18	-000.06	267.18
090225	055267.05	-000.13	267.05
090230	055267.11	000.06	267.11
090235	055267.03	-000.08	267.03
090240	055267.05	000.02	267.05
090245	055266.90	-000.15	266.90
090250	055266.95	000.05	266.95
090255	055267.03	000.08	267.03
090300	055266.94	-000.09	266.94
090305	055266.75	-000.19	266.75
090310	055266.62	-000.13	266.62
090315	055266.69	000.07	266.69
090320	055266.60	-000.09	266.60
090325	055266.75	000.15	266.75
090330	055266.57	-000.18	266.57
090335	055266.64	000.07	266.64
090340	055266.32	-000.32	266.32
090345	055266.34	000.02	266.34
090350	055266.63	000.29	266.63
090355	055266.46	-000.17	266.46
090400	055266.51	000.05	266.51
090405	055265.85	-000.66	265.85
090410	055262.72	-003.13	262.72
090415	055264.03	001.31	264.03
090420	055266.22	002.19	266.22
090425	055266.37	000.15	266.37
090430	055266.40	000.03	266.40
090435	055266.40	000.00	266.40
090440	055266.14	-000.26	266.14
090445	055265.58	-000.56	265.58
090450	055266.11	000.53	266.11
090455	055266.23	000.12	266.23
090500	055266.45	000.22	266.45
090505	055266.43	-000.02	266.43
090510	055266.34	-000.09	266.34
090515	055266.15	-000.19	266.15
090520	055265.00	-001.15	265.00
090525	055265.98	000.98	265.98
090530	055266.26	000.28	266.26
090535	055266.35	000.09	266.35
090540	055266.37	000.02	266.37
090545	055266.45	000.08	266.45
090550	055266.37	-000.08	266.37
090555	055266.22	-000.15	266.22
090600	055266.32	000.10	266.32
090605	055266.35	000.03	266.35
090610	055266.38	000.03	266.38
090615	055266.38	000.00	266.38
090620	055266.21	-000.17	266.21

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
090625	055266.19	-000.02	266.19
090630	055266.07	-000.12	266.07
090635	055266.03	-000.04	266.03
090640	055265.96	-000.07	265.96
090645	055266.00	000.04	266.00
090650	055266.04	000.04	266.04
090655	055266.00	-000.04	266.00
090700	055265.82	-000.18	265.82
090705	055265.73	-000.09	265.73
090710	055265.61	-000.12	265.61
090715	055265.72	000.11	265.72
090720	055265.74	000.02	265.74
090725	055265.59	-000.15	265.59
090730	055265.55	-000.04	265.55
090735	055265.38	-000.17	265.38
090740	055265.51	000.13	265.51
090745	055265.53	000.02	265.53
090750	055265.59	000.06	265.59
090755	055265.62	000.03	265.62
090800	055265.55	-000.07	265.55
090805	055265.50	-000.05	265.50
090810	055265.37	-000.13	265.37
090815	055265.28	-000.09	265.28
090820	055265.32	000.04	265.32
090825	055265.26	-000.06	265.26
090830	055265.30	000.04	265.30
090835	055265.01	-000.29	265.01
090840	055264.92	-000.09	264.92
090845	055264.68	-000.24	264.68
090850	055264.63	-000.05	264.63
090855	055264.95	000.32	264.95
090900	055264.56	-000.39	264.56
090905	055264.49	-000.07	264.49
090910	055264.28	-000.21	264.28
090915	055264.83	000.55	264.83
090920	055265.08	000.25	265.08
090925	055265.06	-000.02	265.06
090930	055265.11	000.05	265.11
090935	055265.18	000.07	265.18
090940	055265.20	000.02	265.20
090945	055265.20	000.00	265.20
090950	055265.12	-000.08	265.12
090955	055265.10	-000.02	265.10
091000	055265.07	-000.03	265.07
091005	055264.90	-000.17	264.90
091010	055264.91	000.01	264.91
091015	055264.89	-000.02	264.89
091020	055264.82	-000.07	264.82
091025	055264.70	-000.12	264.70
091030	055264.83	000.13	264.83
091035	055264.88	000.05	264.88
091040	055264.90	000.02	264.90
091045	055264.74	-000.16	264.74
091050	055264.42	-000.32	264.42

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
091055	055264.49	000.07	264.49
091100	055264.79	000.30	264.79
091105	055264.93	000.14	264.93
091110	055265.00	000.07	265.00
091115	055264.99	-000.01	264.99
091120	055264.60	-000.39	264.60
091125	055264.43	-000.17	264.43
091130	055264.24	-000.19	264.24
091135	055264.36	000.12	264.36
091140	055264.47	000.11	264.47
091145	055264.45	-000.02	264.45
091150	055264.85	000.40	264.85
091155	055264.81	-000.04	264.81
091200	055264.72	-000.09	264.72
091205	055264.71	-000.01	264.71
091210	055264.44	-000.27	264.44
091215	055264.55	000.11	264.55
091220	055264.55	000.00	264.55
091225	055264.58	000.03	264.58
091230	055264.64	000.06	264.64
091235	055264.62	-000.02	264.62
091240	055264.62	000.00	264.62
091245	055264.60	-000.02	264.60
091250	055264.60	000.00	264.60
091255	055264.64	000.04	264.64
091300	055264.58	-000.06	264.58
091305	055264.45	-000.13	264.45
091310	055264.51	000.06	264.51
091315	055264.71	000.20	264.71
091320	055264.82	000.11	264.82
091325	055264.76	-000.06	264.76
091330	055264.71	-000.05	264.71
091335	055264.64	-000.07	264.64
091340	055264.41	-000.23	264.41
091345	055264.41	000.00	264.41
091350	055264.51	000.10	264.51
091355	055264.72	000.21	264.72
091400	055264.76	000.04	264.76
091405	055264.69	-000.07	264.69
091410	055264.84	000.15	264.84
091415	055264.75	-000.09	264.75
091420	055264.64	-000.11	264.64
091425	055264.70	000.06	264.70
091430	055264.64	-000.06	264.64
091435	055264.65	000.01	264.65
091440	055264.27	-000.38	264.27
091445	055263.84	-000.43	263.84
091450	055264.43	000.59	264.43
091455	055264.16	-000.27	264.16
091500	055263.22	-000.94	263.22
091505	055264.66	001.44	264.66
091510	055264.62	-000.04	264.62
091515	055264.55	-000.07	264.55
091520	055264.44	-000.11	264.44

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
091525	055264.34	-000.10	264.34
091530	055264.48	000.14	264.48
091535	055264.55	000.07	264.55
091540	055264.79	000.24	264.79
091545	055265.00	000.21	265.00
091550	055265.11	000.11	265.11
091555	055264.97	-000.14	264.97
091600	055264.72	-000.25	264.72
091605	055264.43	-000.29	264.43
091610	055264.31	-000.12	264.31
091615	055264.32	000.01	264.32
091620	055264.49	000.17	264.49
091625	055264.70	000.21	264.70
091630	055265.00	000.30	265.00
091635	055265.21	000.21	265.21
091640	055265.31	000.10	265.31
091645	055265.09	-000.22	265.09
091650	055264.94	-000.15	264.94
091655	055264.78	-000.16	264.78
091700	055264.59	-000.19	264.59
091705	055264.43	-000.16	264.43
091710	055264.46	000.03	264.46
091715	055264.59	000.13	264.59
091720	055264.73	000.14	264.73
091725	055264.79	000.06	264.79
091730	055264.76	-000.03	264.76
091735	055263.05	-001.71	263.05
091740	055261.82	-001.23	261.82
091745	055264.40	002.58	264.40
091750	055264.41	000.01	264.41
091755	055264.53	000.12	264.53
091800	055264.54	000.01	264.54
091805	055264.55	000.01	264.55
091810	055264.52	-000.03	264.52
091815	055264.45	-000.07	264.45
091820	055264.42	-000.03	264.42
091825	055264.42	000.00	264.42
091830	055264.38	-000.04	264.38
091835	055264.49	000.11	264.49
091840	055264.42	-000.07	264.42
091845	055264.24	-000.18	264.24
091850	055264.26	000.02	264.26
091855	055264.27	000.01	264.27
091900	055264.39	000.12	264.39
091905	055264.52	000.13	264.52
091910	055264.51	-000.01	264.51
091915	055264.53	000.02	264.53
091920	055264.39	-000.14	264.39
091925	055264.31	-000.08	264.31
091930	055264.30	-000.01	264.30
091935	055264.27	-000.03	264.27
091940	055264.30	000.03	264.30
091945	055264.23	-000.07	264.23
091950	055264.11	-000.12	264.11

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
091955	055264.16	000.05	264.16
092000	055264.14	-000.02	264.14
092005	055264.18	000.04	264.18
092010	055264.13	-000.05	264.13
092015	055264.03	-000.10	264.03
092020	055263.98	-000.05	263.98
092025	055263.93	-000.05	263.93
092030	055263.97	000.04	263.97
092035	055263.94	-000.03	263.94
092040	055263.79	-000.15	263.79
092045	055263.12	-000.67	263.12
092050	055263.84	000.72	263.84
092055	055263.96	000.12	263.96
092100	055263.90	-000.06	263.90
092105	055263.80	-000.10	263.80
092110	055263.76	-000.04	263.76
092115	055263.74	-000.02	263.74
092120	055263.77	000.03	263.77
092125	055263.63	-000.14	263.63
092130	055263.55	-000.08	263.55
092135	055262.41	-001.14	262.41
092140	055259.54	-002.87	259.54
092145	055262.81	003.27	262.81
092150	055263.68	000.87	263.68
092155	055263.67	-000.01	263.67
092200	055263.70	000.03	263.70
092205	055263.76	000.06	263.76
092210	055263.80	000.04	263.80
092215	055263.89	000.09	263.89
092220	055263.77	-000.12	263.77
092225	055263.71	-000.06	263.71
092230	055263.66	-000.05	263.66
092235	055263.66	000.00	263.66
092240	055263.63	-000.03	263.63
092245	055263.69	000.06	263.69
092250	055263.61	-000.08	263.61
092255	055263.58	-000.03	263.58
092300	055263.51	-000.07	263.51
092305	055263.42	-000.09	263.42
092310	055263.35	-000.07	263.35
092315	055263.38	000.03	263.38
092320	055263.51	000.13	263.51
092325	055263.55	000.04	263.55
092330	055263.52	-000.03	263.52
092335	055263.48	-000.04	263.48
092340	055263.43	-000.05	263.43
092345	055263.27	-000.16	263.27
092350	055263.06	-000.21	263.06
092355	055263.07	000.01	263.07
092400	055261.66	-001.41	261.66
092405	055262.66	001.00	262.66
092410	055263.12	000.46	263.12
092415	055263.21	000.09	263.21
092420	055263.20	-000.01	263.20

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
092425	055263.15	-000.05	263.15
092430	055263.09	-000.06	263.09
092435	055263.01	-000.08	263.01
092440	055263.03	000.02	263.03
092445	055262.96	-000.07	262.96
092450	055262.93	-000.03	262.93
092455	055262.84	-000.09	262.84
092500	055262.89	000.05	262.89
092505	055262.98	000.09	262.98
092510	055262.90	-000.08	262.90
092515	055262.88	-000.02	262.88
092520	055262.93	000.05	262.93
092525	055262.88	-000.05	262.88
092530	055262.96	000.08	262.96
092535	055262.77	-000.19	262.77
092540	055262.88	000.11	262.88
092545	055262.67	-000.21	262.67
092550	055262.58	-000.09	262.58
092555	055262.61	000.03	262.61
092600	055262.73	000.12	262.73
092605	055262.80	000.07	262.80
092610	055262.98	000.18	262.98
092615	055262.86	-000.12	262.86
092620	055262.50	-000.36	262.50
092625	055260.70	-001.80	260.70
092630	055261.44	000.74	261.44
092635	055262.52	001.08	262.52
092640	055262.79	000.27	262.79
092645	055262.93	000.14	262.93
092650	055262.80	-000.13	262.80
092655	055262.72	-000.08	262.72
092700	055262.68	-000.04	262.68
092705	055262.76	000.08	262.76
092710	055262.85	000.09	262.85
092715	055262.89	000.04	262.89
092720	055262.87	-000.02	262.87
092725	055262.81	-000.06	262.81
092730	055262.79	-000.02	262.79
092735	055262.79	000.00	262.79
092740	055262.71	-000.08	262.71
092745	055262.74	000.03	262.74
092750	055262.71	-000.03	262.71
092755	055262.65	-000.06	262.65
092800	055262.63	-000.02	262.63
092805	055262.68	000.05	262.68
092810	055262.71	000.03	262.71
092815	055262.64	-000.07	262.64
092820	055262.70	000.06	262.70
092825	055262.72	000.02	262.72
092830	055262.70	-000.02	262.70
092835	055262.55	-000.15	262.55
092840	055262.58	000.03	262.58
092845	055262.45	-000.13	262.45
092850	055262.43	-000.02	262.43

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
092855	055262.52	000.09	262.52
092900	055262.58	000.06	262.58
092905	055262.58	000.00	262.58
092910	055262.54	-000.04	262.54
092915	055262.35	-000.19	262.35
092920	055262.35	000.00	262.35
092925	055262.32	-000.03	262.32
092930	055262.44	000.12	262.44
092935	055262.37	-000.07	262.37
092940	055262.32	-000.05	262.32
092945	055262.35	000.03	262.35
092950	055262.29	-000.06	262.29
092955	055262.25	-000.04	262.25
093000	055262.24	-000.01	262.24
093005	055261.14	-001.10	261.14
093010	055262.19	001.05	262.19
093015	055262.33	000.14	262.33
093020	055262.28	-000.05	262.28
093025	055262.20	-000.08	262.20
093030	055262.17	-000.03	262.17
093035	055262.27	000.10	262.27
093040	055262.16	-000.11	262.16
093045	055261.79	-000.37	261.79
093050	055259.78	-002.01	259.78
093055	055257.16	-002.62	257.16
093100	055261.87	004.71	261.87
093105	055262.09	000.22	262.09
093110	055262.09	000.00	262.09
093115	055262.12	000.03	262.12
093120	055261.79	-000.33	261.79
093125	055261.89	000.10	261.89
093130	055261.80	-000.09	261.80
093135	055261.53	-000.27	261.53
093140	055261.78	000.25	261.78
093145	055261.71	-000.07	261.71
093150	055260.01	-001.70	260.01
093155	055261.72	001.71	261.72
093200	055261.82	000.10	261.82
093205	055261.76	-000.06	261.76
093210	055261.81	000.05	261.81
093215	055261.62	-000.19	261.62
093220	055261.54	-000.08	261.54
093225	055261.59	000.05	261.59
093230	055261.53	-000.06	261.53
093235	055261.32	-000.21	261.32
093240	055261.43	000.11	261.43
093245	055261.30	-000.13	261.30
093250	055261.40	000.10	261.40
093255	055261.56	000.16	261.56
093300	055261.26	-000.30	261.26
093305	055261.19	-000.07	261.19
093310	055261.35	000.16	261.35
093315	055261.16	-000.19	261.16
093320	055261.32	000.16	261.32

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
093325	055261.52	000.20	261.52
093330	055261.50	-000.02	261.50
093335	055261.47	-000.03	261.47
093340	055261.55	000.08	261.55
093345	055261.62	000.07	261.62
093350	055260.53	-001.09	260.53
093355	055261.36	000.83	261.36
093400	055261.35	-000.01	261.35
093405	055261.19	-000.16	261.19
093410	055261.33	000.14	261.33
093415	055261.23	-000.10	261.23
093420	055261.49	000.26	261.49
093425	055261.57	000.08	261.57
093430	055261.50	-000.07	261.50
093435	055261.41	-000.09	261.41
093440	055261.30	-000.11	261.30
093445	055261.43	000.13	261.43
093450	055261.34	-000.09	261.34
093455	055261.28	-000.06	261.28
093500	055261.34	000.06	261.34
093505	055261.34	000.00	261.34
093510	055261.38	000.04	261.38
093515	055261.24	-000.14	261.24
093520	055260.75	-000.49	260.75
093525	055261.34	000.59	261.34
093530	055260.77	-000.57	260.77
093535	055261.06	000.29	261.06
093540	055261.33	000.27	261.33
093545	055261.43	000.10	261.43
093550	055261.44	000.01	261.44
093555	055261.48	000.04	261.48
093600	055261.38	-000.10	261.38
093605	055261.33	-000.05	261.33
093610	055261.37	000.04	261.37
093615	055260.90	-000.47	260.90
093620	055250.87	-010.03	250.87
093625	055260.77	009.90	260.77
093630	055261.35	000.58	261.35
093635	055261.02	-000.33	261.02
093640	055261.11	000.09	261.11
093645	055261.38	000.27	261.38
093650	055261.41	000.03	261.41
093655	055261.39	-000.02	261.39
093700	055261.42	000.03	261.42
093705	055261.41	-000.01	261.41
093710	055261.31	-000.10	261.31
093715	055261.40	000.09	261.40
093720	055261.39	-000.01	261.39
093725	055261.23	-000.16	261.23
093730	055261.35	000.12	261.35
093735	055261.37	000.02	261.37
093740	055261.31	-000.06	261.31
093745	055261.39	000.08	261.39
093750	055261.45	000.06	261.45

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
093755	055261.19	-000.26	261.19
093800	055261.18	-000.01	261.18
093805	055261.20	000.02	261.20
093810	055261.18	-000.02	261.18
093815	055261.11	-000.07	261.11
093820	055261.12	000.01	261.12
093825	055261.09	-000.03	261.09
093830	055260.51	-000.58	260.51
093835	055260.85	000.34	260.85
093840	055261.11	000.26	261.11
093845	055261.22	000.11	261.22
093850	055261.19	-000.03	261.19
093855	055261.19	000.00	261.19
093900	055261.21	000.02	261.21
093905	055261.20	-000.01	261.20
093910	055261.15	-000.05	261.15
093915	055261.16	000.01	261.16
093920	055261.17	000.01	261.17
093925	055261.20	000.03	261.20
093930	055261.15	-000.05	261.15
093935	055261.09	-000.06	261.09
093940	055261.09	000.00	261.09
093945	055261.06	-000.03	261.06
093950	055260.96	-000.10	260.96
093955	055261.02	000.06	261.02
094000	055260.93	-000.09	260.93
094005	055261.06	000.13	261.06
094010	055261.02	-000.04	261.02
094015	055261.02	000.00	261.02
094020	055261.11	000.09	261.11
094025	055261.15	000.04	261.15
094030	055260.84	-000.31	260.84
094035	055260.35	-000.49	260.35
094040	055261.03	000.68	261.03
094045	055261.03	000.00	261.03
094050	055261.11	000.08	261.11
094055	055261.10	-000.01	261.10
094100	055261.10	000.00	261.10
094105	055261.05	-000.05	261.05
094110	055260.97	-000.08	260.97
094115	055260.79	-000.18	260.79
094120	055260.87	000.08	260.87
094125	055260.89	000.02	260.89
094130	055260.65	-000.24	260.65
094135	055260.31	-000.34	260.31
094140	055260.16	-000.15	260.16
094145	055259.61	-000.55	259.61
094150	055258.82	-000.79	258.82
094155	055256.67	-002.15	256.67
094200	055260.08	003.41	260.08
094205	055260.53	000.45	260.53
094210	055260.67	000.14	260.67
094215	055260.72	000.05	260.72
094220	055260.69	-000.03	260.69

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
094225	055260.73	000.04	260.73
094230	055260.60	-000.13	260.60
094235	055260.62	000.02	260.62
094240	055259.98	-000.64	259.98
094245	055260.64	000.66	260.64
094250	055260.62	-000.02	260.62
094255	055260.53	-000.09	260.53
094300	055260.52	-000.01	260.52
094305	055260.53	000.01	260.53
094310	055260.49	-000.04	260.49
094315	055260.48	-000.01	260.48
094320	055260.48	000.00	260.48
094325	055260.42	-000.06	260.42
094330	055260.41	-000.01	260.41
094335	055260.03	-000.38	260.03
094340	055258.66	-001.37	258.66
094345	055259.72	001.06	259.72
094350	055260.26	000.54	260.26
094355	055260.29	000.03	260.29
094400	055260.32	000.03	260.32
094405	055260.20	-000.12	260.20
094410	055260.18	-000.02	260.18
094415	055260.17	-000.01	260.17
094420	055260.11	-000.06	260.11
094425	055260.16	000.05	260.16
094430	055260.11	-000.05	260.11
094435	055260.12	000.01	260.12
094440	055260.15	000.03	260.15
094445	055260.10	-000.05	260.10
094450	055260.05	-000.05	260.05
094455	055259.95	-000.10	259.95
094500	055259.63	-000.32	259.63
094505	055259.66	000.03	259.66
094510	055259.70	000.04	259.70
094515	055259.68	-000.02	259.68
094520	055259.64	-000.04	259.64
094525	055259.61	-000.03	259.61
094530	055259.69	000.08	259.69
094535	055259.54	-000.15	259.54
094540	055259.53	-000.01	259.53
094545	055259.62	000.09	259.62
094550	055259.51	-000.11	259.51
094555	055259.54	000.03	259.54
094600	055259.53	-000.01	259.53
094605	055259.53	000.00	259.53
094610	055259.45	-000.08	259.45
094615	055259.51	000.06	259.51
094620	055259.48	-000.03	259.48
094625	055259.44	-000.04	259.44
094630	055259.36	-000.08	259.36
094635	055259.44	000.08	259.44
094640	055259.37	-000.07	259.37
094645	055259.46	000.09	259.46
094650	055259.49	000.03	259.49

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
094655	055259.41	-000.08	259.41
094700	055259.40	-000.01	259.40
094705	055259.43	000.03	259.43
094710	055259.41	-000.02	259.41
094715	055258.80	-000.61	258.80
094720	055258.90	000.10	258.90
094725	055259.47	000.57	259.47
094730	055259.46	-000.01	259.46
094735	055259.39	-000.07	259.39
094740	055259.43	000.04	259.43
094745	055259.37	-000.06	259.37
094750	055259.32	-000.05	259.32
094755	055259.27	-000.05	259.27
094800	055259.37	000.10	259.37
094805	055259.40	000.03	259.40
094810	055259.38	-000.02	259.38
094815	055259.41	000.03	259.41
094820	055259.37	-000.04	259.37
094825	055259.40	000.03	259.40
094830	055259.35	-000.05	259.35
094835	055259.26	-000.09	259.26
094840	055259.23	-000.03	259.23
094845	055259.24	000.01	259.24
094850	055259.25	000.01	259.25
094855	055259.25	000.00	259.25
094900	055258.91	-000.34	258.91
094905	055251.40	-007.51	251.40
094910	055258.82	007.42	258.82
094915	055259.17	000.35	259.17
094920	055259.18	000.01	259.18
094925	055259.27	000.09	259.27
094930	055259.25	-000.02	259.25
094935	055259.17	-000.08	259.17
094940	055259.14	-000.03	259.14
094945	055259.15	000.01	259.15
094950	055259.04	-000.11	259.04
094955	055258.30	-000.74	258.30
095000	055258.97	000.67	258.97
095005	055259.05	000.08	259.05
095010	055259.11	000.06	259.11
095015	055258.94	-000.17	258.94
095020	055259.12	000.18	259.12
095025	055259.11	-000.01	259.11
095030	055259.26	000.15	259.26
095035	055259.13	-000.13	259.13
095040	055259.03	-000.10	259.03
095045	055258.18	-000.85	258.18
095050	055258.89	000.71	258.89
095055	055259.11	000.22	259.11
095100	055259.07	-000.04	259.07
095105	055259.02	-000.05	259.02
095110	055258.96	-000.06	258.96
095115	055258.92	-000.04	258.92
095120	055258.92	000.00	258.92

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
095125	055258.82	-000.10	258.82
095130	055259.22	000.40	259.22
095135	055259.17	-000.05	259.17
095140	055259.09	-000.08	259.09
095145	055259.12	000.03	259.12
095150	055259.09	-000.03	259.09
095155	055259.08	-000.01	259.08
095200	055259.02	-000.06	259.02
095205	055259.12	000.10	259.12
095210	055259.12	000.00	259.12
095215	055259.07	-000.05	259.07
095220	055258.97	-000.10	258.97
095225	055258.87	-000.10	258.87
095230	055258.58	-000.29	258.58
095235	055257.37	-001.21	257.37
095240	055255.24	-002.13	255.24
095245	055258.33	003.09	258.33
095250	055258.82	000.49	258.82
095255	055258.86	000.04	258.86
095300	055258.03	-000.83	258.03
095305	055257.12	-000.91	257.12
095310	055258.59	001.47	258.59
095315	055257.02	-001.57	257.02
095320	055258.52	001.50	258.52
095325	055258.92	000.40	258.92
095330	055258.92	000.00	258.92
095335	055258.87	-000.05	258.87
095340	055258.96	000.09	258.96
095345	055258.78	-000.18	258.78
095350	055258.83	000.05	258.83
095355	055258.77	-000.06	258.77
095400	055258.77	000.00	258.77
095405	055258.71	-000.06	258.71
095410	055258.69	-000.02	258.69
095415	055258.72	000.03	258.72
095420	055258.65	-000.07	258.65
095425	055258.61	-000.04	258.61
095430	055258.64	000.03	258.64
095435	055258.60	-000.04	258.60
095440	055258.60	000.00	258.60
095445	055258.60	000.00	258.60
095450	055258.55	-000.05	258.55
095455	055258.58	000.03	258.58
095500	055258.35	-000.23	258.35
095505	055258.47	000.12	258.47
095510	055258.61	000.14	258.61
095515	055258.50	-000.11	258.50
095520	055258.47	-000.03	258.47
095525	055257.87	-000.60	257.87
095530	055257.99	000.12	257.99
095535	055258.53	000.54	258.53
095540	055258.38	-000.15	258.38
095545	055257.64	-000.74	257.64
095550	055258.32	000.68	258.32

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
095555	055258.40	000.08	258.40
095600	055258.30	-000.10	258.30
095605	055258.22	-000.08	258.22
095610	055258.30	000.08	258.30
095615	055258.41	000.11	258.41
095620	055258.40	-000.01	258.40
095625	055258.37	-000.03	258.37
095630	055258.31	-000.06	258.31
095635	055258.26	-000.05	258.26
095640	055258.19	-000.07	258.19
095645	055258.24	000.05	258.24
095650	055258.15	-000.09	258.15
095655	055258.18	000.03	258.18
095700	055258.38	000.20	258.38
095705	055258.29	-000.09	258.29
095710	055258.23	-000.06	258.23
095715	055258.14	-000.09	258.14
095720	055258.19	000.05	258.19
095725	055258.41	000.22	258.41
095730	055258.19	-000.22	258.19
095735	055253.99	-004.20	253.99
095740	055257.07	003.08	257.07
095745	055258.08	001.01	258.08
095750	055258.09	000.01	258.09
095755	055258.11	000.02	258.11
095800	055258.20	000.09	258.20
095805	055258.21	000.01	258.21
095810	055258.11	-000.10	258.11
095815	055258.06	-000.05	258.06
095820	055258.04	-000.02	258.04
095825	055258.04	000.00	258.04
095830	055258.16	000.12	258.16
095835	055258.10	-000.06	258.10
095840	055258.00	-000.10	258.00
095845	055258.06	000.06	258.06
095850	055258.07	000.01	258.07
095855	055257.86	-000.21	257.86
095900	055257.92	000.06	257.92
095905	055257.86	-000.06	257.86
095910	055257.82	-000.04	257.82
095915	055257.73	-000.09	257.73
095920	055257.17	-000.56	257.17
095925	055254.18	-002.99	254.18
095930	055254.69	000.51	254.69
095935	055257.49	002.80	257.49
095940	055257.51	000.02	257.51
095945	055257.56	000.05	257.56
095950	055257.52	-000.04	257.52
095955	055257.57	000.05	257.57
100000	055257.52	-000.05	257.52
100005	055257.46	-000.06	257.46
100010	055257.47	000.01	257.47
100015	055257.48	000.01	257.48
100020	055257.41	-000.07	257.41

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
100025	055257.30	-000.11	257.30
100030	055257.20	-000.10	257.20
100035	055257.15	-000.05	257.15
100040	055257.01	-000.14	257.01
100045	055256.91	-000.10	256.91
100050	055256.93	000.02	256.93
100055	055256.84	-000.09	256.84
100100	055256.85	000.01	256.85
100105	055256.80	-000.05	256.80
100110	055256.61	-000.19	256.61
100115	055256.10	-000.51	256.10
100120	055253.70	-002.40	253.70
100125	055254.06	000.36	254.06
100130	055255.18	001.12	255.18
100135	055252.20	-002.98	252.20
100140	055254.38	002.18	254.38
100145	055255.99	001.61	255.99
100150	055256.22	000.23	256.22
100155	055256.15	-000.07	256.15
100200	055256.03	-000.12	256.03
100205	055255.99	-000.04	255.99
100210	055255.93	-000.06	255.93
100215	055255.62	-000.31	255.62
100220	055255.03	-000.59	255.03
100225	055255.87	000.84	255.87
100230	055255.90	000.03	255.90
100235	055255.93	000.03	255.93
100240	055255.73	-000.20	255.73
100245	055255.80	000.07	255.80
100250	055255.81	000.01	255.81
100255	055255.73	-000.08	255.73
100300	055255.68	-000.05	255.68
100305	055255.76	000.08	255.76
100310	055255.62	-000.14	255.62
100315	055255.61	-000.01	255.61
100320	055255.66	000.05	255.66
100325	055255.51	-000.15	255.51
100330	055255.63	000.12	255.63
100335	055255.51	-000.12	255.51
100340	055255.58	000.07	255.58
100345	055255.61	000.03	255.61
100350	055255.68	000.07	255.68
100355	055255.74	000.06	255.74
100400	055255.79	000.05	255.79
100405	055255.77	-000.02	255.77
100410	055255.78	000.01	255.78
100415	055255.74	-000.04	255.74
100420	055255.69	-000.05	255.69
100425	055255.73	000.04	255.73
100430	055255.67	-000.06	255.67
100435	055255.61	-000.06	255.61
100440	055255.54	-000.07	255.54
100445	055254.99	-000.55	254.99
100450	055255.32	000.33	255.32

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
100455	055255.57	000.25	255.57
100500	055255.57	000.00	255.57
100505	055255.63	000.06	255.63
100510	055255.61	-000.02	255.61
100515	055255.61	000.00	255.61
100520	055254.08	-001.53	254.08
100525	055254.87	000.79	254.87
100530	055255.54	000.67	255.54
100535	055255.52	-000.02	255.52
100540	055255.47	-000.05	255.47
100545	055255.43	-000.04	255.43
100550	055255.42	-000.01	255.42
100555	055255.32	-000.10	255.32
100600	055255.32	000.00	255.32
100605	055255.22	-000.10	255.22
100610	055255.16	-000.06	255.16
100615	055254.27	-000.89	254.27
100620	055255.28	001.01	255.28
100625	055255.30	000.02	255.30
100630	055255.27	-000.03	255.27
100635	055255.24	-000.03	255.24
100640	055255.13	-000.11	255.13
100645	055254.67	-000.46	254.67
100650	055254.92	000.25	254.92
100655	055255.11	000.19	255.11
100700	055255.14	000.03	255.14
100705	055255.04	-000.10	255.04
100710	055255.05	000.01	255.05
100715	055254.94	-000.11	254.94
100720	055254.93	-000.01	254.93
100725	055254.92	-000.01	254.92
100730	055254.92	000.00	254.92
100735	055254.83	-000.09	254.83
100740	055254.85	000.02	254.85
100745	055254.89	000.04	254.89
100750	055254.93	000.04	254.93
100755	055254.96	000.03	254.96
100800	055254.95	-000.01	254.95
100805	055254.94	-000.01	254.94
100810	055254.95	000.01	254.95
100815	055254.90	-000.05	254.90
100820	055254.95	000.05	254.95
100825	055255.02	000.07	255.02
100830	055254.99	-000.03	254.99
100835	055254.97	-000.02	254.97
100840	055254.96	-000.01	254.96
100845	055254.96	000.00	254.96
100850	055254.97	000.01	254.97
100855	055254.91	-000.06	254.91
100900	055255.00	000.09	255.00
100905	055255.01	000.01	255.01
100910	055254.97	-000.04	254.97
100915	055254.94	-000.03	254.94
100920	055254.92	-000.02	254.92

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
100925	055254.93	000.01	254.93
100930	055254.92	-000.01	254.92
100935	055254.86	-000.06	254.86
100940	055254.83	-000.03	254.83
100945	055254.86	000.03	254.86
100950	055254.84	-000.02	254.84
100955	055254.83	-000.01	254.83
101000	055254.86	000.03	254.86
101005	055254.87	000.01	254.87
101010	055254.81	-000.06	254.81
101015	055254.70	-000.11	254.70
101020	055254.70	000.00	254.70
101025	055254.53	-000.17	254.53
101030	055253.57	-000.96	253.57
101035	055250.26	-003.31	250.26
101040	055253.58	003.32	253.58
101045	055254.62	001.04	254.62
101050	055254.66	000.04	254.66
101055	055254.71	000.05	254.71
101100	055254.75	000.04	254.75
101105	055254.80	000.05	254.80
101110	055254.88	000.08	254.88
101115	055254.94	000.06	254.94
101120	055254.96	000.02	254.96
101125	055254.95	-000.01	254.95
101130	055254.91	-000.04	254.91
101135	055254.79	-000.12	254.79
101140	055254.43	-000.36	254.43
101145	055254.48	000.05	254.48
101150	055254.79	000.31	254.79
101155	055254.90	000.11	254.90
101200	055254.92	000.02	254.92
101205	055254.88	-000.04	254.88
101210	055254.91	000.03	254.91
101215	055252.49	-002.42	252.49
101220	055254.89	002.40	254.89
101225	055255.00	000.11	255.00
101230	055255.04	000.04	255.04
101235	055254.95	-000.09	254.95
101240	055254.93	-000.02	254.93
101245	055254.14	-000.79	254.14
101250	055245.96	-008.18	245.96
101255	055253.71	007.75	253.71
101300	055254.78	001.07	254.78
101305	055254.81	000.03	254.81
101310	055254.85	000.04	254.85
101315	055254.76	-000.09	254.76
101320	055254.12	-000.64	254.12
101325	055254.63	000.51	254.63
101330	055254.32	-000.31	254.32
101335	055254.77	000.45	254.77
101340	055254.78	000.01	254.78
101345	055254.77	-000.01	254.77
101350	055254.76	-000.01	254.76

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
101355	055254.76	000.00	254.76
101400	055254.83	000.07	254.83
101405	055254.75	-000.08	254.75
101410	055254.73	-000.02	254.73
101415	055254.75	000.02	254.75
101420	055254.70	-000.05	254.70
101425	055254.66	-000.04	254.66
101430	055254.75	000.09	254.75
101435	055254.76	000.01	254.76
101440	055254.64	-000.12	254.64
101445	055254.61	-000.03	254.61
101450	055254.51	-000.10	254.51
101455	055254.45	-000.06	254.45
101500	055254.46	000.01	254.46
101505	055254.52	000.06	254.52
101510	055254.49	-000.03	254.49
101515	055254.53	000.04	254.53
101520	055254.47	-000.06	254.47
101525	055254.43	-000.04	254.43
101530	055254.45	000.02	254.45
101535	055254.40	-000.05	254.40
101540	055254.41	000.01	254.41
101545	055254.39	-000.02	254.39
101550	055254.35	-000.04	254.35
101555	055254.22	-000.13	254.22
101600	055253.74	-000.48	253.74
101605	055254.01	000.27	254.01
101610	055254.19	000.18	254.19
101615	055254.25	000.06	254.25
101620	055254.20	-000.05	254.20
101625	055254.18	-000.02	254.18
101630	055253.81	-000.37	253.81
101635	055253.20	-000.61	253.20
101640	055254.07	000.87	254.07
101645	055254.12	000.05	254.12
101650	055254.14	000.02	254.14
101655	055254.10	-000.04	254.10
101700	055254.02	-000.08	254.02
101705	055253.89	-000.13	253.89
101710	055253.79	-000.10	253.79
101715	055253.60	-000.19	253.60
101720	055252.87	-000.73	252.87
101725	055250.11	-002.76	250.11
101730	055250.82	000.71	250.82
101735	055253.40	002.58	253.40
101740	055252.75	-000.65	252.75
101745	055251.79	-000.96	251.79
101750	055253.93	002.14	253.93
101755	055253.86	-000.07	253.86
101800	055253.89	000.03	253.89
101805	055253.80	-000.09	253.80
101810	055253.23	-000.57	253.23
101815	055253.45	000.22	253.45
101820	055253.76	000.31	253.76

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
101825	055253.76	000.00	253.76
101830	055253.75	-000.01	253.75
101835	055253.49	-000.26	253.49
101840	055253.31	-000.18	253.31
101845	055253.72	000.41	253.72
101850	055253.76	000.04	253.76
101855	055253.74	-000.02	253.74
101900	055253.69	-000.05	253.69
101905	055253.66	-000.03	253.66
101910	055253.61	-000.05	253.61
101915	055253.51	-000.10	253.51
101920	055253.55	000.04	253.55
101925	055253.61	000.06	253.61
101930	055253.54	-000.07	253.54
101935	055253.57	000.03	253.57
101940	055253.55	-000.02	253.55
101945	055253.57	000.02	253.57
101950	055253.60	000.03	253.60
101955	055253.55	-000.05	253.55
102000	055253.51	-000.04	253.51
102005	055253.35	-000.16	253.35
102010	055252.97	-000.38	252.97
102015	055252.18	-000.79	252.18
102020	055253.25	001.07	253.25
102025	055253.31	000.06	253.31
102030	055253.38	000.07	253.38
102035	055253.46	000.08	253.46
102040	055253.46	000.00	253.46
102045	055253.37	-000.09	253.37
102050	055253.42	000.05	253.42
102055	055253.47	000.05	253.47
102100	055253.47	000.00	253.47
102105	055253.47	000.00	253.47
102110	055253.52	000.05	253.52
102115	055253.57	000.05	253.57
102120	055253.62	000.05	253.62
102125	055253.55	-000.07	253.55
102130	055253.49	-000.06	253.49
102135	055253.48	-000.01	253.48
102140	055253.43	-000.05	253.43
102145	055253.39	-000.04	253.39
102150	055253.36	-000.03	253.36
102155	055253.32	-000.04	253.32
102200	055253.14	-000.18	253.14
102205	055252.75	-000.39	252.75
102210	055252.97	000.22	252.97
102215	055253.17	000.20	253.17
102220	055253.24	000.07	253.24
102225	055253.26	000.02	253.26
102230	055253.58	000.32	253.58
102235	055253.24	-000.34	253.24
102240	055253.11	-000.13	253.11
102245	055253.13	000.02	253.13
102250	055253.27	000.14	253.27

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
102255	055253.34	000.07	253.34
102300	055253.24	-000.10	253.24
102305	055253.40	000.16	253.40
102310	055253.50	000.10	253.50
102315	055253.52	000.02	253.52
102320	055253.33	-000.19	253.33
102325	055253.64	000.31	253.64
102330	055253.56	-000.08	253.56
102335	055253.64	000.08	253.64
102340	055253.52	-000.12	253.52
102345	055253.49	-000.03	253.49
102350	055253.55	000.06	253.55
102355	055253.68	000.13	253.68
102400	055253.64	-000.04	253.64
102405	055253.64	000.00	253.64
102410	055253.60	-000.04	253.60
102415	055253.58	-000.02	253.58
102420	055253.21	-000.37	253.21
102425	055252.60	-000.61	252.60
102430	055251.33	-001.27	251.33
102435	055253.57	002.24	253.57
102440	055253.61	000.04	253.61
102445	055253.64	000.03	253.64
102450	055253.62	-000.02	253.62
102455	055253.62	000.00	253.62
102500	055253.76	000.14	253.76
102505	055253.65	-000.11	253.65
102510	055253.64	-000.01	253.64
102515	055253.69	000.05	253.69
102520	055253.63	-000.06	253.63
102525	055253.54	-000.09	253.54
102530	055253.63	000.09	253.63
102535	055253.59	-000.04	253.59
102540	055253.66	000.07	253.66
102545	055253.62	-000.04	253.62
102550	055253.73	000.11	253.73
102555	055253.72	-000.01	253.72
102600	055253.74	000.02	253.74
102605	055253.53	-000.21	253.53
102610	055253.80	000.27	253.80
102615	055253.89	000.09	253.89
102620	055253.87	-000.02	253.87
102625	055253.74	-000.13	253.74
102630	055253.79	000.05	253.79
102635	055253.80	000.01	253.80
102640	055253.87	000.07	253.87
102645	055253.79	-000.08	253.79
102650	055253.87	000.08	253.87
102655	055253.82	-000.05	253.82
102700	055253.84	000.02	253.84
102705	055253.91	000.07	253.91
102710	055253.86	-000.05	253.86
102715	055253.93	000.07	253.93
102720	055253.90	-000.03	253.90

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
102725	055253.86	-000.04	253.86
102730	055253.82	-000.04	253.82
102735	055253.91	000.09	253.91
102740	055253.97	000.06	253.97
102745	055253.88	-000.09	253.88
102750	055253.86	-000.02	253.86
102755	055253.91	000.05	253.91
102800	055253.94	000.03	253.94
102805	055253.93	-000.01	253.93
102810	055253.73	-000.20	253.73
102815	055252.82	-000.91	252.82
102820	055253.29	000.47	253.29
102825	055252.47	-000.82	252.47
102830	055252.67	000.20	252.67
102835	055253.73	001.06	253.73
102840	055253.98	000.25	253.98
102845	055253.99	000.01	253.99
102850	055253.94	-000.05	253.94
102855	055253.80	-000.14	253.80
102900	055253.79	-000.01	253.79
102905	055253.92	000.13	253.92
102910	055253.80	-000.12	253.80
102915	055253.79	-000.01	253.79
102920	055253.76	-000.03	253.76
102925	055253.78	000.02	253.78
102930	055253.73	-000.05	253.73
102935	055253.73	000.00	253.73
102940	055253.63	-000.10	253.63
102945	055253.52	-000.11	253.52
102950	055253.53	000.01	253.53
102955	055253.64	000.11	253.64
103000	055253.56	-000.08	253.56
103005	055253.59	000.03	253.59
103010	055253.41	-000.18	253.41
103015	055252.71	-000.70	252.71
103020	055253.50	000.79	253.50
103025	055253.28	-000.22	253.28
103030	055253.02	-000.26	253.02
103035	055253.41	000.39	253.41
103040	055253.43	000.02	253.43
103045	055253.39	-000.04	253.39
103050	055253.39	000.00	253.39
103055	055253.47	000.08	253.47
103100	055253.40	-000.07	253.40
103105	055253.37	-000.03	253.37
103110	055253.34	-000.03	253.34
103115	055253.40	000.06	253.40
103120	055253.37	-000.03	253.37
103125	055253.32	-000.05	253.32
103130	055253.35	000.03	253.35
103135	055253.13	-000.22	253.13
103140	055252.24	-000.89	252.24
103145	055248.92	-003.32	248.92
103150	055252.25	003.33	252.25

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
103155	055253.21	000.96	253.21
103200	055253.31	000.10	253.31
103205	055253.39	000.08	253.39
103210	055253.19	-000.20	253.19
103215	055252.69	-000.50	252.69
103220	055253.59	000.90	253.59
103225	055253.64	000.05	253.64
103230	055253.52	-000.12	253.52
103235	055252.21	-001.31	252.21
103240	055253.27	001.06	253.27
103245	055253.52	000.25	253.52
103250	055253.52	000.00	253.52
103255	055253.48	-000.04	253.48
103300	055253.55	000.07	253.55
103305	055253.56	000.01	253.56
103310	055253.45	-000.11	253.45
103315	055253.48	000.03	253.48
103320	055253.54	000.06	253.54
103325	055253.56	000.02	253.56
103330	055253.54	-000.02	253.54
103335	055253.54	000.00	253.54
103340	055253.34	-000.20	253.34
103345	055253.43	000.09	253.43
103350	055253.42	-000.01	253.42
103355	055253.53	000.11	253.53
103400	055253.51	-000.02	253.51
103405	055253.49	-000.02	253.49
103410	055253.47	-000.02	253.47
103415	055253.43	-000.04	253.43
103420	055253.38	-000.05	253.38
103425	055253.41	000.03	253.41
103430	055253.36	-000.05	253.36
103435	055253.12	-000.24	253.12
103440	055253.24	000.12	253.24
103445	055253.22	-000.02	253.22
103450	055253.09	-000.13	253.09
103455	055252.36	-000.73	252.36
103500	055253.15	000.79	253.15
103505	055253.13	-000.02	253.13
103510	055253.13	000.00	253.13
103515	055253.09	-000.04	253.09
103520	055253.00	-000.09	253.00
103525	055252.97	-000.03	252.97
103530	055252.87	-000.10	252.87
103535	055252.77	-000.10	252.77
103540	055252.56	-000.21	252.56
103545	055251.95	-000.61	251.95
103550	055252.39	000.44	252.39
103555	055252.45	000.06	252.45
103600	055252.48	000.03	252.48
103605	055252.42	-000.06	252.42
103610	055252.35	-000.07	252.35
103615	055252.29	-000.06	252.29
103620	055252.25	-000.04	252.25

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
103625	055252.18	-000.07	252.18
103630	055251.99	-000.19	251.99
103635	055250.74	-001.25	250.74
103640	055251.83	001.09	251.83
103645	055251.91	000.08	251.91
103650	055251.95	000.04	251.95
103655	055251.90	-000.05	251.90
103700	055251.87	-000.03	251.87
103705	055251.81	-000.06	251.81
103710	055251.76	-000.05	251.76
103715	055251.65	-000.11	251.65
103720	055250.80	-000.85	250.80
103725	055251.00	000.20	251.00
103730	055251.49	000.49	251.49
103735	055251.47	-000.02	251.47
103740	055251.45	-000.02	251.45
103745	055251.40	-000.05	251.40
103750	055251.34	-000.06	251.34
103755	055250.68	-000.66	250.68
103800	055251.28	000.60	251.28
103805	055251.28	000.00	251.28
103810	055250.40	-000.88	250.40
103815	055251.01	000.61	251.01
103820	055251.18	000.17	251.18
103825	055251.16	-000.02	251.16
103830	055251.12	-000.04	251.12
103835	055251.06	-000.06	251.06
103840	055251.06	000.00	251.06
103845	055250.94	-000.12	250.94
103850	055250.95	000.01	250.95
103855	055250.92	-000.03	250.92
103900	055250.87	-000.05	250.87
103905	055250.83	-000.04	250.83
103910	055250.79	-000.04	250.79
103915	055250.72	-000.07	250.72
103920	055250.72	000.00	250.72
103925	055250.64	-000.08	250.64
103930	055250.58	-000.06	250.58
103935	055250.68	000.10	250.68
103940	055250.66	-000.02	250.66
103945	055250.59	-000.07	250.59
103950	055250.60	000.01	250.60
103955	055250.59	-000.01	250.59
104000	055250.42	-000.17	250.42
104005	055250.51	000.09	250.51
104010	055250.52	000.01	250.52
104015	055250.48	-000.04	250.48
104020	055250.44	-000.04	250.44
104025	055250.34	-000.10	250.34
104030	055250.34	000.00	250.34
104035	055250.26	-000.08	250.26
104040	055250.28	000.02	250.28
104045	055250.20	-000.08	250.20
104050	055250.22	000.02	250.22

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
104055	055250.17	-000.05	250.17
104100	055250.18	000.01	250.18
104105	055250.17	-000.01	250.17
104110	055250.13	-000.04	250.13
104115	055250.14	000.01	250.14
104120	055250.15	000.01	250.15
104125	055250.07	-000.08	250.07
104130	055250.17	000.10	250.17
104135	055250.13	-000.04	250.13
104140	055250.00	-000.13	250.00
104145	055248.43	-001.57	248.43
104150	055250.01	001.58	250.01
104155	055250.06	000.05	250.06
104200	055250.16	000.10	250.16
104205	055250.08	-000.08	250.08
104210	055250.03	-000.05	250.03
104215	055250.03	000.00	250.03
104220	055250.08	000.05	250.08
104225	055249.98	-000.10	249.98
104230	055249.90	-000.08	249.90
104235	055249.92	000.02	249.92
104240	055249.83	-000.09	249.83
104245	055249.80	-000.03	249.80
104250	055249.82	000.02	249.82
104255	055249.79	-000.03	249.79
104300	055249.77	-000.02	249.77
104305	055249.75	-000.02	249.75
104310	055249.69	-000.06	249.69
104315	055249.67	-000.02	249.67
104320	055249.65	-000.02	249.65
104325	055249.66	000.01	249.66
104330	055249.57	-000.09	249.57
104335	055249.36	-000.21	249.36
104340	055248.56	-000.80	248.56
104345	055249.34	000.78	249.34
104350	055249.33	-000.01	249.33
104355	055249.31	-000.02	249.31
104400	055249.33	000.02	249.33
104405	055249.31	-000.02	249.31
104410	055249.21	-000.10	249.21
104415	055249.02	-000.19	249.02
104420	055240.85	-008.17	240.85
104425	055248.86	008.01	248.86
104430	055247.45	-001.41	247.45
104435	055248.73	001.28	248.73
104440	055249.05	000.32	249.05
104445	055249.01	-000.04	249.01
104450	055249.04	000.03	249.04
104455	055249.02	-000.02	249.02
104500	055248.99	-000.03	248.99
104505	055249.05	000.06	249.05
104510	055249.04	-000.01	249.04
104515	055249.00	-000.04	249.00
104520	055249.01	000.01	249.01

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
104525	055249.01	000.00	249.01
104530	055249.04	000.03	249.04
104535	055249.03	-000.01	249.03
104540	055249.02	-000.01	249.02
104545	055249.03	000.01	249.03
104550	055248.94	-000.09	248.94
104555	055248.89	-000.05	248.89
104600	055248.25	-000.64	248.25
104605	055248.45	000.20	248.45
104610	055248.85	000.40	248.85
104615	055248.88	000.03	248.88
104620	055248.84	-000.04	248.84
104625	055248.77	-000.07	248.77
104630	055248.77	000.00	248.77
104635	055248.69	-000.08	248.69
104640	055248.64	-000.05	248.64
104645	055248.63	-000.01	248.63
104650	055248.53	-000.10	248.53
104655	055248.60	000.07	248.60
104700	055248.52	-000.08	248.52
104705	055248.46	-000.06	248.46
104710	055248.39	-000.07	248.39
104715	055248.36	-000.03	248.36
104720	055248.37	000.01	248.37
104725	055248.32	-000.05	248.32
104730	055248.31	-000.01	248.31
104735	055248.19	-000.12	248.19
104740	055248.13	-000.06	248.13
104745	055248.08	-000.05	248.08
104750	055248.02	-000.06	248.02
104755	055248.02	000.00	248.02
104800	055247.95	-000.07	247.95
104805	055247.88	-000.07	247.88
104810	055247.78	-000.10	247.78
104815	055247.77	-000.01	247.77
104820	055247.73	-000.04	247.73
104825	055247.68	-000.05	247.68
104830	055247.63	-000.05	247.63
104835	055247.57	-000.06	247.57
104840	055247.49	-000.08	247.49
104845	055247.58	000.09	247.58
104850	055247.54	-000.04	247.54
104855	055247.52	-000.02	247.52
104900	055247.39	-000.13	247.39
104905	055247.27	-000.12	247.27
104910	055247.03	-000.24	247.03
104915	055245.42	-001.61	245.42
104920	055244.35	-001.07	244.35
104925	055246.19	001.84	246.19
104930	055246.76	000.57	246.76
104935	055247.31	000.55	247.31
104940	055247.42	000.11	247.42
104945	055247.34	-000.08	247.34
104950	055247.45	000.11	247.45

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
104955	055247.37	-000.08	247.37
105000	055247.28	-000.09	247.28
105005	055247.27	-000.01	247.27
105010	055247.32	000.05	247.32
105015	055247.18	-000.14	247.18
105020	055247.25	000.07	247.25
105025	055247.26	000.01	247.26
105030	055247.07	-000.19	247.07
105035	055247.16	000.09	247.16
105040	055247.12	-000.04	247.12
105045	055247.20	000.08	247.20
105050	055247.30	000.10	247.30
105055	055247.20	-000.10	247.20
105100	055247.13	-000.07	247.13
105105	055247.04	-000.09	247.04
105110	055247.06	000.02	247.06
105115	055247.20	000.14	247.20
105120	055247.17	-000.03	247.17
105125	055247.09	-000.08	247.09
105130	055246.88	-000.21	246.88
105135	055247.04	000.16	247.04
105140	055246.98	-000.06	246.98
105145	055246.99	000.01	246.99
105150	055246.87	-000.12	246.87
105155	055246.80	-000.07	246.80
105200	055246.82	000.02	246.82
105205	055246.10	-000.72	246.10
105210	055246.16	000.06	246.16
105215	055246.66	000.50	246.66
105220	055246.58	-000.08	246.58
105225	055246.58	000.00	246.58
105230	055246.59	000.01	246.59
105235	055246.62	000.03	246.62
105240	055247.23	000.61	247.23
105245	055246.50	-000.73	246.50
105250	055246.52	000.02	246.52
105255	055246.55	000.03	246.55
105300	055246.89	000.34	246.89
105305	055246.84	-000.05	246.84
105310	055246.60	-000.24	246.60
105315	055246.57	-000.03	246.57
105320	055247.32	000.75	247.32
105325	055246.98	-000.34	246.98
105330	055246.74	-000.24	246.74
105335	055246.84	000.10	246.84
105340	055246.59	-000.25	246.59
105345	055245.06	-001.53	245.06
105350	055242.70	-002.36	242.70
105355	055244.01	001.31	244.01
105400	055246.08	002.07	246.08
105405	055246.04	-000.04	246.04
105410	055246.20	000.16	246.20
105415	055245.80	-000.40	245.80
105420	055246.50	000.70	246.50

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
105425	055246.57	000.07	246.57
105430	055246.42	-000.15	246.42
105435	055246.51	000.09	246.51
105440	055246.44	-000.07	246.44
105445	055246.53	000.09	246.53
105450	055246.55	000.02	246.55
105455	055246.55	000.00	246.55
105500	055246.60	000.05	246.60
105505	055246.62	000.02	246.62
105510	055246.45	-000.17	246.45
105515	055246.40	-000.05	246.40
105520	055246.29	-000.11	246.29
105525	055246.17	-000.12	246.17
105530	055246.13	-000.04	246.13
105535	055246.19	000.06	246.19
105540	055246.06	-000.13	246.06
105545	055245.88	-000.18	245.88
105550	055245.66	-000.22	245.66
105555	055245.54	-000.12	245.54
105600	055245.51	-000.03	245.51
105605	055245.53	000.02	245.53
105610	055245.50	-000.03	245.50
105615	055245.67	000.17	245.67
105620	055245.81	000.14	245.81
105625	055245.82	000.01	245.82
105630	055245.55	-000.27	245.55
105635	055245.43	-000.12	245.43
105640	055245.25	-000.18	245.25
105645	055245.09	-000.16	245.09
105650	055244.93	-000.16	244.93
105655	055244.80	-000.13	244.80
105700	055244.78	-000.02	244.78
105705	055244.85	000.07	244.85
105710	055245.02	000.17	245.02
105715	055245.20	000.18	245.20
105720	055245.34	000.14	245.34
105725	055245.42	000.08	245.42
105730	055245.33	-000.09	245.33
105735	055245.15	-000.18	245.15
105740	055244.89	-000.26	244.89
105745	055244.83	-000.06	244.83
105750	055244.74	-000.09	244.74
105755	055243.04	-001.70	243.04
105800	055244.53	001.49	244.53
105805	055244.85	000.32	244.85
105810	055244.91	000.06	244.91
105815	055244.77	-000.14	244.77
105820	055244.74	-000.03	244.74
105825	055244.73	-000.01	244.73
105830	055244.38	-000.35	244.38
105835	055242.97	-001.41	242.97
105840	055243.81	000.84	243.81
105845	055244.46	000.65	244.46
105850	055244.40	-000.06	244.40

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
105855	055244.36	-000.04	244.36
105900	055244.34	-000.02	244.34
105905	055244.39	000.05	244.39
105910	055244.42	000.03	244.42
105915	055244.56	000.14	244.56
105920	055244.48	-000.08	244.48
105925	055244.46	-000.02	244.46
105930	055244.46	000.00	244.46
105935	055244.48	000.02	244.48
105940	055244.45	-000.03	244.45
105945	055244.52	000.07	244.52
105950	055244.50	-000.02	244.50
105955	055244.48	-000.02	244.48
110000	055244.35	-000.13	244.35
110005	055244.35	000.00	244.35
110010	055244.44	000.09	244.44
110015	055244.58	000.14	244.58
110020	055243.57	-001.01	243.57
110025	055244.52	000.95	244.52
110030	055244.55	000.03	244.55
110035	055244.37	-000.18	244.37
110040	055244.32	-000.05	244.32
110045	055243.82	-000.50	243.82
110050	055244.39	000.57	244.39
110055	055244.48	000.09	244.48
110100	055243.67	-000.81	243.67
110105	055243.91	000.24	243.91
110110	055244.52	000.61	244.52
110115	055244.45	-000.07	244.45
110120	055244.44	-000.01	244.44
110125	055244.43	-000.01	244.43
110130	055244.46	000.03	244.46
110135	055244.43	-000.03	244.43
110140	055244.53	000.10	244.53
110145	055244.60	000.07	244.60
110150	055244.53	-000.07	244.53
110155	055242.18	-002.35	242.18
110200	055235.74	-006.44	235.74
110205	055243.73	007.99	243.73
110210	055244.10	000.37	244.10
110215	055244.25	000.15	244.25
110220	055244.20	-000.05	244.20
110225	055244.00	-000.20	244.00
110230	055243.38	-000.62	243.38
110235	055243.98	000.60	243.98
110240	055243.83	-000.15	243.83
110245	055244.53	000.70	244.53
110250	055244.54	000.01	244.54
110255	055244.38	-000.16	244.38
110300	055243.98	-000.40	243.98
110305	055243.49	-000.49	243.49
110310	055243.00	-000.49	243.00
110315	055240.97	-002.03	240.97
110320	055243.63	002.66	243.63

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
110325	055244.04	000.41	244.04
110330	055244.18	000.14	244.18
110335	055244.10	-000.08	244.10
110340	055244.20	000.10	244.20
110345	055244.07	-000.13	244.07
110350	055244.21	000.14	244.21
110355	055243.86	-000.35	243.86
110400	055243.24	-000.62	243.24
110405	055243.85	000.61	243.85
110410	055244.11	000.26	244.11
110415	055244.03	-000.08	244.03
110420	055243.69	-000.34	243.69
110425	055242.32	-001.37	242.32
110430	055240.67	-001.65	240.67
110435	055243.57	002.90	243.57
110440	055244.13	000.56	244.13
110445	055244.18	000.05	244.18
110450	055244.18	000.00	244.18
110455	055244.21	000.03	244.21
110500	055244.15	-000.06	244.15
110505	055244.03	-000.12	244.03
110510	055244.00	-000.03	244.00
110515	055244.03	000.03	244.03
110520	055244.03	000.00	244.03
110525	055244.08	000.05	244.08
110530	055244.07	-000.01	244.07
110535	055243.37	-000.70	243.37
110540	055243.78	000.41	243.78
110545	055243.86	000.08	243.86
110550	055243.90	000.04	243.90
110555	055243.76	-000.14	243.76
110600	055243.81	000.05	243.81
110605	055243.80	-000.01	243.80
110610	055243.73	-000.07	243.73
110615	055243.78	000.05	243.78
110620	055243.85	000.07	243.85
110625	055243.73	-000.12	243.73
110630	055243.77	000.04	243.77
110635	055243.77	000.00	243.77
110640	055243.72	-000.05	243.72
110645	055243.77	000.05	243.77
110650	055243.76	-000.01	243.76
110655	055243.58	-000.18	243.58
110700	055243.61	000.03	243.61
110705	055243.54	-000.07	243.54
110710	055243.52	-000.02	243.52
110715	055243.43	-000.09	243.43
110720	055243.37	-000.06	243.37
110725	055243.33	-000.04	243.33
110730	055243.19	-000.14	243.19
110735	055241.04	-002.15	241.04
110740	055243.26	002.22	243.26
110745	055242.42	-000.84	242.42
110750	055242.95	000.53	242.95

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
110755	055243.21	000.26	243.21
110800	055243.14	-000.07	243.14
110805	055242.56	-000.58	242.56
110810	055243.12	000.56	243.12
110815	055243.14	000.02	243.14
110820	055243.14	000.00	243.14
110825	055243.10	-000.04	243.10
110830	055242.95	-000.15	242.95
110835	055242.98	000.03	242.98
110840	055242.91	-000.07	242.91
110845	055242.87	-000.04	242.87
110850	055242.65	-000.22	242.65
110855	055242.32	-000.33	242.32
110900	055241.11	-001.21	241.11
110905	055241.67	000.56	241.67
110910	055242.60	000.93	242.60
110915	055242.64	000.04	242.64
110920	055242.76	000.12	242.76
110925	055242.84	000.08	242.84
110930	055242.87	000.03	242.87
110935	055242.85	-000.02	242.85
110940	055242.87	000.02	242.87
110945	055242.82	-000.05	242.82
110950	055242.80	-000.02	242.80
110955	055242.79	-000.01	242.79
111000	055242.77	-000.02	242.77
111005	055242.70	-000.07	242.70
111010	055242.65	-000.05	242.65
111015	055242.62	-000.03	242.62
111020	055242.57	-000.05	242.57
111025	055242.47	-000.10	242.47
111030	055242.46	-000.01	242.46
111035	055242.68	000.22	242.68
111040	055242.64	-000.04	242.64
111045	055242.58	-000.06	242.58
111050	055242.36	-000.22	242.36
111055	055242.05	-000.31	242.05
111100	055241.86	-000.19	241.86
111105	055241.73	-000.13	241.73
111110	055241.82	000.09	241.82
111115	055241.91	000.09	241.91
111120	055241.98	000.07	241.98
111125	055241.98	000.00	241.98
111130	055241.77	-000.21	241.77
111135	055241.59	-000.18	241.59
111140	055241.49	-000.10	241.49
111145	055241.46	-000.03	241.46
111150	055241.61	000.15	241.61
111155	055241.71	000.10	241.71
111200	055241.84	000.13	241.84
111205	055241.87	000.03	241.87
111210	055241.83	-000.04	241.83
111215	055241.70	-000.13	241.70
111220	055241.57	-000.13	241.57

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
111225	055241.58	000.01	241.58
111230	055241.48	-000.10	241.48
111235	055241.44	-000.04	241.44
111240	055241.46	000.02	241.46
111245	055241.39	-000.07	241.39
111250	055241.34	-000.05	241.34
111255	055241.20	-000.14	241.20
111300	055241.21	000.01	241.21
111305	055241.33	000.12	241.33
111310	055241.42	000.09	241.42
111315	055241.52	000.10	241.52
111320	055241.53	000.01	241.53
111325	055241.60	000.07	241.60
111330	055241.56	-000.04	241.56
111335	055241.49	-000.07	241.49
111340	055241.47	-000.02	241.47
111345	055241.42	-000.05	241.42
111350	055241.42	000.00	241.42
111355	055241.45	000.03	241.45
111400	055240.62	-000.83	240.62
111405	055240.16	-000.46	240.16
111410	055241.42	001.26	241.42
111415	055241.50	000.08	241.50
111420	055241.54	000.04	241.54
111425	055241.57	000.03	241.57
111430	055241.54	-000.03	241.54
111435	055241.54	000.00	241.54
111440	055241.40	-000.14	241.40
111445	055241.35	-000.05	241.35
111450	055241.23	-000.12	241.23
111455	055239.20	-002.03	239.20
111500	055240.73	001.53	240.73
111505	055241.47	000.74	241.47
111510	055241.64	000.17	241.64
111515	055241.65	000.01	241.65
111520	055241.56	-000.09	241.56
111525	055241.58	000.02	241.58
111530	055241.58	000.00	241.58
111535	055241.58	000.00	241.58
111540	055241.48	-000.10	241.48
111545	055241.40	-000.08	241.40
111550	055241.44	000.04	241.44
111555	055241.40	-000.04	241.40
111600	055241.40	000.00	241.40
111605	055241.43	000.03	241.43
111610	055241.43	000.00	241.43
111615	055240.45	-000.98	240.45
111620	055239.87	-000.58	239.87
111625	055241.16	001.29	241.16
111630	055241.28	000.12	241.28
111635	055241.19	-000.09	241.19
111640	055240.74	-000.45	240.74
111645	055238.47	-002.27	238.47
111650	055238.98	000.51	238.98

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
111655	055239.91	000.93	239.91
111700	055241.17	001.26	241.17
111705	055241.30	000.13	241.30
111710	055241.23	-000.07	241.23
111715	055241.30	000.07	241.30
111720	055241.31	000.01	241.31
111725	055241.26	-000.05	241.26
111730	055241.27	000.01	241.27
111735	055241.17	-000.10	241.17
111740	055241.26	000.09	241.26
111745	055241.31	000.05	241.31
111750	055241.33	000.02	241.33
111755	055241.36	000.03	241.36
111800	055241.34	-000.02	241.34
111805	055240.54	-000.80	240.54
111810	055241.12	000.58	241.12
111815	055241.34	000.22	241.34
111820	055241.37	000.03	241.37
111825	055241.32	-000.05	241.32
111830	055241.46	000.14	241.46
111835	055241.40	-000.06	241.40
111840	055241.72	000.32	241.72
111845	055241.65	-000.07	241.65
111850	055241.91	000.26	241.91
111855	055241.83	-000.08	241.83
111900	055241.78	-000.05	241.78
111905	055241.70	-000.08	241.70
111910	055240.75	-000.95	240.75
111915	055238.56	-002.19	238.56
111920	055241.61	003.05	241.61
111925	055241.82	000.21	241.82
111930	055241.95	000.13	241.95
111935	055241.87	-000.08	241.87
111940	055241.86	-000.01	241.86
111945	055241.96	000.10	241.96
111950	055241.93	-000.03	241.93
111955	055241.27	-000.66	241.27
112000	055241.84	000.57	241.84
112005	055241.98	000.14	241.98
112010	055241.95	-000.03	241.95
112015	055241.33	-000.62	241.33
112020	055241.64	000.31	241.64
112025	055241.83	000.19	241.83
112030	055241.94	000.11	241.94
112035	055242.04	000.10	242.04
112040	055242.12	000.08	242.12
112045	055242.21	000.09	242.21
112050	055242.17	-000.04	242.17
112055	055242.15	-000.02	242.15
112100	055242.20	000.05	242.20
112105	055242.19	-000.01	242.19
112110	055242.17	-000.02	242.17
112115	055242.18	000.01	242.18
112120	055242.19	000.01	242.19

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
112125	055242.12	-000.07	242.12
112130	055241.03	-001.09	241.03
112135	055241.79	000.76	241.79
112140	055241.97	000.18	241.97
112145	055241.91	-000.06	241.91
112150	055241.91	000.00	241.91
112155	055241.95	000.04	241.95
112200	055241.90	-000.05	241.90
112205	055242.00	000.10	242.00
112210	055241.97	-000.03	241.97
112215	055242.01	000.04	242.01
112220	055241.99	-000.02	241.99
112225	055242.01	000.02	242.01
112230	055241.95	-000.06	241.95
112235	055241.87	-000.08	241.87
112240	055241.77	-000.10	241.77
112245	055241.56	-000.21	241.56
112250	055240.41	-001.15	240.41
112255	055241.14	000.73	241.14
112300	055241.80	000.66	241.80
112305	055241.98	000.18	241.98
112310	055241.98	000.00	241.98
112315	055241.92	-000.06	241.92
112320	055241.53	-000.39	241.53
112325	055241.17	-000.36	241.17
112330	055241.70	000.53	241.70
112335	055241.74	000.04	241.74
112340	055241.81	000.07	241.81
112345	055241.73	-000.08	241.73
112350	055241.64	-000.09	241.64
112355	055241.61	-000.03	241.61
112400	055241.61	000.00	241.61
112405	055241.53	-000.08	241.53
112410	055241.45	-000.08	241.45
112415	055241.09	-000.36	241.09
112420	055238.59	-002.50	238.59
112425	055240.90	002.31	240.90
112430	055241.37	000.47	241.37
112435	055240.49	-000.88	240.49
112440	055240.82	000.33	240.82
112445	055241.24	000.42	241.24
112450	055240.85	-000.39	240.85
112455	055240.75	-000.10	240.75
112500	055239.99	-000.76	239.99
112505	055241.06	001.07	241.06
112510	055241.16	000.10	241.16
112515	055241.17	000.01	241.17
112520	055238.65	-002.52	238.65
112525	055239.49	000.84	239.49
112530	055241.20	001.71	241.20
112535	055241.13	-000.07	241.13
112540	055241.15	000.02	241.15
112545	055241.09	-000.06	241.09
112550	055241.15	000.06	241.15

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
112555	055241.11	-000.04	241.11
112600	055241.17	000.06	241.17
112605	055241.13	-000.04	241.13
112610	055241.10	-000.03	241.10
112615	055241.20	000.10	241.20
112620	055241.16	-000.04	241.16
112625	055241.07	-000.09	241.07
112630	055241.11	000.04	241.11
112635	055241.18	000.07	241.18
112640	055241.13	-000.05	241.13
112645	055240.74	-000.39	240.74
112650	055240.61	-000.13	240.61
112655	055240.73	000.12	240.73
112700	055240.69	-000.04	240.69
112705	055241.06	000.37	241.06
112710	055240.93	-000.13	240.93
112715	055240.87	-000.06	240.87
112720	055240.58	-000.29	240.58
112725	055239.80	-000.78	239.80
112730	055236.60	-003.20	236.60
112735	055238.81	002.21	238.81
112740	055240.67	001.86	240.67
112745	055240.63	-000.04	240.63
112750	055240.78	000.15	240.78
112755	055240.70	-000.08	240.70
112800	055240.49	-000.21	240.49
112805	055240.51	000.02	240.51
112810	055240.46	-000.05	240.46
112815	055240.03	-000.43	240.03
112820	055240.50	000.47	240.50
112825	055240.49	-000.01	240.49
112830	055240.47	-000.02	240.47
112835	055239.06	-001.41	239.06
112840	055240.59	001.53	240.59
112845	055240.61	000.02	240.61
112850	055240.64	000.03	240.64
112855	055240.58	-000.06	240.58
112900	055240.53	-000.05	240.53
112905	055240.53	000.00	240.53
112910	055240.49	-000.04	240.49
112915	055240.25	-000.24	240.25
112920	055240.29	000.04	240.29
112925	055240.18	-000.11	240.18
112930	055240.22	000.04	240.22
112935	055240.32	000.10	240.32
112940	055240.19	-000.13	240.19
112945	055240.16	-000.03	240.16
112950	055240.26	000.10	240.26
112955	055240.21	-000.05	240.21
113000	055240.22	000.01	240.22
113005	055240.22	000.00	240.22
113010	055239.94	-000.28	239.94
113015	055240.08	000.14	240.08
113020	055240.02	-000.06	240.02

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
113025	055239.94	-000.08	239.94
113030	055239.77	-000.17	239.77
113035	055239.38	-000.39	239.38
113040	055240.08	000.70	240.08
113045	055240.12	000.04	240.12
113050	055240.18	000.06	240.18
113055	055240.09	-000.09	240.09
113100	055240.08	-000.01	240.08
113105	055240.11	000.03	240.11
113110	055240.20	000.09	240.20
113115	055240.31	000.11	240.31
113120	055240.14	-000.17	240.14
113125	055239.86	-000.28	239.86
113130	055239.29	-000.57	239.29
113135	055240.71	001.42	240.71
113140	055239.11	-001.60	239.11
113145	055239.81	000.70	239.81
113150	055239.89	000.08	239.89
113155	055239.93	000.04	239.93
113200	055240.02	000.09	240.02
113205	055239.96	-000.06	239.96
113210	055240.19	000.23	240.19
113215	055240.16	-000.03	240.16
113220	055240.17	000.01	240.17
113225	055240.09	-000.08	240.09
113230	055239.95	-000.14	239.95
113235	055240.00	000.05	240.00
113240	055239.96	-000.04	239.96
113245	055240.00	000.04	240.00
113250	055240.03	000.03	240.03
113255	055240.14	000.11	240.14
113300	055240.14	000.00	240.14
113305	055240.05	-000.09	240.05
113310	055237.50	-002.55	237.50
113315	055239.82	002.32	239.82
113320	055239.85	000.03	239.85
113325	055239.73	-000.12	239.73
113330	055239.78	000.05	239.78
113335	055239.79	000.01	239.79
113340	055239.79	000.00	239.79
113345	055239.81	000.02	239.81
113350	055239.71	-000.10	239.71
113355	055239.61	-000.10	239.61
113400	055239.65	000.04	239.65
113405	055239.13	-000.52	239.13
113410	055239.07	-000.06	239.07
113415	055239.64	000.57	239.64
113420	055239.48	-000.16	239.48
113425	055239.38	-000.10	239.38
113430	055238.02	-001.36	238.02
113435	055239.38	001.36	239.38
113440	055239.34	-000.04	239.34
113445	055239.20	-000.14	239.20
113450	055239.42	000.22	239.42

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
113455	055239.46	000.04	239.46
113500	055239.54	000.08	239.54
113505	055239.43	-000.11	239.43
113510	055239.57	000.14	239.57
113515	055239.57	000.00	239.57
113520	055239.60	000.03	239.60
113525	055239.66	000.06	239.66
113530	055239.67	000.01	239.67
113535	055239.59	-000.08	239.59
113540	055239.62	000.03	239.62
113545	055237.54	-002.08	237.54
113550	055239.50	001.96	239.50
113555	055239.52	000.02	239.52
113600	055239.61	000.09	239.61
113605	055239.68	000.07	239.68
113610	055239.69	000.01	239.69
113615	055239.76	000.07	239.76
113620	055239.67	-000.09	239.67
113625	055239.70	000.03	239.70
113630	055239.63	-000.07	239.63
113635	055239.61	-000.02	239.61
113640	055239.63	000.02	239.63
113645	055239.67	000.04	239.67
113650	055239.63	-000.04	239.63
113655	055239.61	-000.02	239.61
113700	055239.61	000.00	239.61
113705	055239.63	000.02	239.63
113710	055239.63	000.00	239.63
113715	055239.63	000.00	239.63
113720	055239.60	-000.03	239.60
113725	055239.63	000.03	239.63
113730	055239.61	-000.02	239.61
113735	055239.66	000.05	239.66
113740	055239.67	000.01	239.67
113745	055239.76	000.09	239.76
113750	055239.80	000.04	239.80
113755	055239.76	-000.04	239.76
113800	055239.77	000.01	239.77
113805	055239.78	000.01	239.78
113810	055239.80	000.02	239.80
113815	055239.72	-000.08	239.72
113820	055239.71	-000.01	239.71
113825	055239.72	000.01	239.72
113830	055239.76	000.04	239.76
113835	055239.85	000.09	239.85
113840	055239.87	000.02	239.87
113845	055239.89	000.02	239.89
113850	055239.84	-000.05	239.84
113855	055239.85	000.01	239.85
113900	055239.89	000.04	239.89
113905	055239.90	000.01	239.90
113910	055239.83	-000.07	239.83
113915	055237.63	-002.20	237.63
113920	055234.79	-002.84	234.79

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
113925	055239.78	004.99	239.78
113930	055239.85	000.07	239.85
113935	055239.99	000.14	239.99
113940	055240.02	000.03	240.02
113945	055240.02	000.00	240.02
113950	055239.93	-000.09	239.93
113955	055239.83	-000.10	239.83
114000	055239.89	000.06	239.89
114005	055239.92	000.03	239.92
114010	055239.93	000.01	239.93
114015	055239.95	000.02	239.95
114020	055239.94	-000.01	239.94
114025	055239.92	-000.02	239.92
114030	055239.87	-000.05	239.87
114035	055239.77	-000.10	239.77
114040	055239.76	-000.01	239.76
114045	055239.69	-000.07	239.69
114050	055239.75	000.06	239.75
114055	055239.77	000.02	239.77
114100	055239.76	-000.01	239.76
114105	055239.30	-000.46	239.30
114110	055239.22	-000.08	239.22
114115	055239.59	000.37	239.59
114120	055239.68	000.09	239.68
114125	055239.81	000.13	239.81
114130	055239.83	000.02	239.83
114135	055239.87	000.04	239.87
114140	055239.92	000.05	239.92
114145	055239.93	000.01	239.93
114150	055239.83	-000.10	239.83
114155	055239.81	-000.02	239.81
114200	055239.71	-000.10	239.71
114205	055239.43	-000.28	239.43
114210	055236.92	-002.51	236.92
114215	055239.78	002.86	239.78
114220	055239.92	000.14	239.92
114225	055239.90	-000.02	239.90
114230	055239.64	-000.26	239.64
114235	055238.54	-001.10	238.54
114240	055235.48	-003.06	235.48
114245	055238.26	002.78	238.26
114250	055238.13	-000.13	238.13
114255	055239.82	001.69	239.82
114300	055239.95	000.13	239.95
114305	055239.90	-000.05	239.90
114310	055238.86	-001.04	238.86
114315	055240.08	001.22	240.08
114320	055239.15	-000.93	239.15
114325	055240.18	001.03	240.18
114330	055240.20	000.02	240.20
114335	055240.20	000.00	240.20
114340	055240.24	000.04	240.24
114345	055240.31	000.07	240.31
114350	055240.42	000.11	240.42

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
114355	055240.42	000.00	240.42
114400	055240.41	-000.01	240.41
114405	055240.29	-000.12	240.29
114410	055240.27	-000.02	240.27
114415	055240.17	-000.10	240.17
114420	055240.29	000.12	240.29
114425	055240.27	-000.02	240.27
114430	055240.33	000.06	240.33
114435	055240.40	000.07	240.40
114440	055240.38	-000.02	240.38
114445	055240.33	-000.05	240.33
114450	055240.36	000.03	240.36
114455	055240.34	-000.02	240.34
114500	055240.30	-000.04	240.30
114505	055240.24	-000.06	240.24
114510	055240.27	000.03	240.27
114515	055239.72	-000.55	239.72
114520	055238.17	-001.55	238.17
114525	055240.07	001.90	240.07
114530	055240.35	000.28	240.35
114535	055240.38	000.03	240.38
114540	055240.44	000.06	240.44
114545	055240.46	000.02	240.46
114550	055240.57	000.11	240.57
114555	055240.54	-000.03	240.54
114600	055240.48	-000.06	240.48
114605	055240.46	-000.02	240.46
114610	055240.41	-000.05	240.41
114615	055238.55	-001.86	238.55
114620	055240.51	001.96	240.51
114625	055240.54	000.03	240.54
114630	055240.59	000.05	240.59
114635	055240.65	000.06	240.65
114640	055240.62	-000.03	240.62
114645	055240.66	000.04	240.66
114650	055240.76	000.10	240.76
114655	055240.77	000.01	240.77
114700	055240.77	000.00	240.77
114705	055240.81	000.04	240.81
114710	055240.82	000.01	240.82
114715	055240.83	000.01	240.83
114720	055240.78	-000.05	240.78
114725	055240.77	-000.01	240.77
114730	055240.56	-000.21	240.56
114735	055240.18	-000.38	240.18
114740	055240.72	000.54	240.72
114745	055240.90	000.18	240.90
114750	055240.91	000.01	240.91
114755	055240.96	000.05	240.96
114800	055240.97	000.01	240.97
114805	055241.02	000.05	241.02
114810	055241.03	000.01	241.03
114815	055241.05	000.02	241.05
114820	055240.96	-000.09	240.96

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
114825	055240.86	-000.10	240.86
114830	055240.85	-000.01	240.85
114835	055240.88	000.03	240.88
114840	055238.96	-001.92	238.96
114845	055240.90	001.94	240.90
114850	055240.95	000.05	240.95
114855	055241.01	000.06	241.01
114900	055241.01	000.00	241.01
114905	055241.09	000.08	241.09
114910	055240.70	-000.39	240.70
114915	055238.95	-001.75	238.95
114920	055240.72	001.77	240.72
114925	055240.80	000.08	240.80
114930	055240.76	-000.04	240.76
114935	055240.76	000.00	240.76
114940	055240.79	000.03	240.79
114945	055240.71	-000.08	240.71
114950	055240.88	000.17	240.88
114955	055240.72	-000.16	240.72
115000	055240.49	-000.23	240.49
115005	055240.74	000.25	240.74
115010	055240.70	-000.04	240.70
115015	055240.72	000.02	240.72
115020	055240.90	000.18	240.90
115025	055241.07	000.17	241.07
115030	055241.02	-000.05	241.02
115035	055241.23	000.21	241.23
115040	055241.17	-000.06	241.17
115045	055241.15	-000.02	241.15
115050	055241.15	000.00	241.15
115055	055241.07	-000.08	241.07
115100	055241.20	000.13	241.20
115105	055241.26	000.06	241.26
115110	055241.24	-000.02	241.24
115115	055241.17	-000.07	241.17
115120	055241.29	000.12	241.29
115125	055241.23	-000.06	241.23
115130	055241.26	000.03	241.26
115135	055241.30	000.04	241.30
115140	055241.23	-000.07	241.23
115145	055241.22	-000.01	241.22
115150	055240.59	-000.63	240.59
115155	055240.98	000.39	240.98
115200	055241.33	000.35	241.33
115205	055241.37	000.04	241.37
115210	055241.34	-000.03	241.34
115215	055241.33	-000.01	241.33
115220	055240.95	-000.38	240.95
115225	055241.37	000.42	241.37
115230	055241.57	000.20	241.57
115235	055241.74	000.17	241.74
115240	055241.67	-000.07	241.67
115245	055241.73	000.06	241.73
115250	055241.69	-000.04	241.69

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
115255	055241.79	000.10	241.79
115300	055241.81	000.02	241.81
115305	055241.84	000.03	241.84
115310	055241.87	000.03	241.87
115315	055241.80	-000.07	241.80
115320	055241.88	000.08	241.88
115325	055241.89	000.01	241.89
115330	055241.87	-000.02	241.87
115335	055241.94	000.07	241.94
115340	055242.07	000.13	242.07
115345	055241.94	-000.13	241.94
115350	055241.96	000.02	241.96
115355	055241.76	-000.20	241.76
115400	055241.54	-000.22	241.54
115405	055241.99	000.45	241.99
115410	055241.87	-000.12	241.87
115415	055242.01	000.14	242.01
115420	055242.12	000.11	242.12
115425	055242.16	000.04	242.16
115430	055242.06	-000.10	242.06
115435	055242.17	000.11	242.17
115440	055242.26	000.09	242.26
115445	055242.15	-000.11	242.15
115450	055242.14	-000.01	242.14
115455	055242.16	000.02	242.16
115500	055242.10	-000.06	242.10
115505	055242.09	-000.01	242.09
115510	055242.33	000.24	242.33
115515	055242.31	-000.02	242.31
115520	055242.51	000.20	242.51
115525	055242.47	-000.04	242.47
115530	055242.45	-000.02	242.45
115535	055242.40	-000.05	242.40
115540	055242.49	000.09	242.49
115545	055242.36	-000.13	242.36
115550	055242.43	000.07	242.43
115555	055242.46	000.03	242.46
115600	055242.41	-000.05	242.41
115605	055241.28	-001.13	241.28
115610	055242.60	001.32	242.60
115615	055242.64	000.04	242.64
115620	055242.67	000.03	242.67
115625	055242.67	000.00	242.67
115630	055242.69	000.02	242.69
115635	055242.67	-000.02	242.67
115640	055242.67	000.00	242.67
115645	055242.61	-000.06	242.61
115650	055242.74	000.13	242.74
115655	055242.76	000.02	242.76
115700	055242.58	-000.18	242.58
115705	055242.84	000.26	242.84
115710	055242.79	-000.05	242.79
115715	055242.87	000.08	242.87
115720	055242.91	000.04	242.91

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
115725	055242.82	-000.09	242.82
115730	055239.29	-003.53	239.29
115735	055238.00	-001.29	238.00
115740	055241.70	003.70	241.70
115745	055242.96	001.26	242.96
115750	055243.12	000.16	243.12
115755	055243.13	000.01	243.13
115800	055243.24	000.11	243.24
115805	055243.20	-000.04	243.20
115810	055243.13	-000.07	243.13
115815	055243.15	000.02	243.15
115820	055243.20	000.05	243.20
115825	055243.32	000.12	243.32
115830	055243.28	-000.04	243.28
115835	055243.21	-000.07	243.21
115840	055242.57	-000.64	242.57
115845	055243.34	000.77	243.34
115850	055243.46	000.12	243.46
115855	055243.48	000.02	243.48
115900	055243.47	-000.01	243.47
115905	055243.47	000.00	243.47
115910	055243.36	-000.11	243.36
115915	055243.38	000.02	243.38
115920	055243.36	-000.02	243.36
115925	055243.14	-000.22	243.14
115930	055242.08	-001.06	242.08
115935	055243.51	001.43	243.51
115940	055243.65	000.14	243.65
115945	055243.60	-000.05	243.60
115950	055243.69	000.09	243.69
115955	055243.83	000.14	243.83
120000	055243.78	-000.05	243.78
120005	055243.74	-000.04	243.74
120010	055243.65	-000.09	243.65
120015	055243.41	-000.24	243.41
120020	055243.44	000.03	243.44
120025	055243.66	000.22	243.66
120030	055243.63	-000.03	243.63
120035	055243.65	000.02	243.65
120040	055243.66	000.01	243.66
120045	055243.71	000.05	243.71
120050	055243.69	-000.02	243.69
120055	055243.65	-000.04	243.65
120100	055243.66	000.01	243.66
120105	055243.56	-000.10	243.56
120110	055243.61	000.05	243.61
120115	055243.64	000.03	243.64
120120	055243.60	-000.04	243.60
120125	055242.67	-000.93	242.67
120130	055243.19	000.52	243.19
120135	055243.50	000.31	243.50
120140	055242.96	-000.54	242.96
120145	055241.60	-001.36	241.60
120150	055243.29	001.69	243.29

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
120155	055243.53	000.24	243.53
120200	055243.63	000.10	243.63
120205	055243.65	000.02	243.65
120210	055243.66	000.01	243.66
120215	055243.65	-000.01	243.65
120220	055243.65	000.00	243.65
120225	055243.64	-000.01	243.64
120230	055243.69	000.05	243.69
120235	055243.73	000.04	243.73
120240	055243.87	000.14	243.87
120245	055243.67	-000.20	243.67
120250	055242.48	-001.19	242.48
120255	055243.55	001.07	243.55
120300	055243.74	000.19	243.74
120305	055243.71	-000.03	243.71
120310	055243.97	000.26	243.97
120315	055243.94	-000.03	243.94
120320	055243.90	-000.04	243.90
120325	055243.83	-000.07	243.83
120330	055243.49	-000.34	243.49
120335	055243.16	-000.33	243.16
120340	055240.31	-002.85	240.31
120345	055241.41	001.10	241.41
120350	055243.45	002.04	243.45
120355	055243.74	000.29	243.74
120400	055243.75	000.01	243.75
120405	055243.74	-000.01	243.74
120410	055243.53	-000.21	243.53
120415	055243.68	000.15	243.68
120420	055243.70	000.02	243.70
120425	055243.69	-000.01	243.69
120430	055243.77	000.08	243.77
120435	055243.76	-000.01	243.76
120440	055243.22	-000.54	243.22
120445	055243.43	000.21	243.43
120450	055243.55	000.12	243.55
120455	055243.50	-000.05	243.50
120500	055243.42	-000.08	243.42
120505	055243.45	000.03	243.45
120510	055243.50	000.05	243.50
120515	055243.63	000.13	243.63
120520	055243.64	000.01	243.64
120525	055243.71	000.07	243.71
120530	055243.71	000.00	243.71
120535	055243.57	-000.14	243.57
120540	055243.59	000.02	243.59
120545	055243.62	000.03	243.62
120550	055243.63	000.01	243.63
120555	055243.65	000.02	243.65
120600	055243.65	000.00	243.65
120605	055243.65	000.00	243.65
120610	055243.66	000.01	243.66
120615	055243.65	-000.01	243.65
120620	055243.46	-000.19	243.46

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
120625	055243.56	000.10	243.56
120630	055243.50	-000.06	243.50
120635	055243.63	000.13	243.63
120640	055243.73	000.10	243.73
120645	055243.71	-000.02	243.71
120650	055243.57	-000.14	243.57
120655	055243.46	-000.11	243.46
120700	055242.89	-000.57	242.89
120705	055243.43	000.54	243.43
120710	055243.42	-000.01	243.42
120715	055243.48	000.06	243.48
120720	055243.50	000.02	243.50
120725	055243.49	-000.01	243.49
120730	055243.42	-000.07	243.42
120735	055243.45	000.03	243.45
120740	055242.84	-000.61	242.84
120745	055243.10	000.26	243.10
120750	055243.45	000.35	243.45
120755	055243.35	-000.10	243.35
120800	055243.36	000.01	243.36
120805	055243.29	-000.07	243.29
120810	055243.29	000.00	243.29
120815	055243.22	-000.07	243.22
120820	055243.24	000.02	243.24
120825	055243.29	000.05	243.29
120830	055243.35	000.06	243.35
120835	055243.39	000.04	243.39
120840	055243.38	-000.01	243.38
120845	055243.33	-000.05	243.33
120850	055242.94	-000.39	242.94
120855	055243.27	000.33	243.27
120900	055243.55	000.28	243.55
120905	055243.57	000.02	243.57
120910	055243.60	000.03	243.60
120915	055243.60	000.00	243.60
120920	055243.49	-000.11	243.49
120925	055243.51	000.02	243.51
120930	055243.53	000.02	243.53
120935	055243.64	000.11	243.64
120940	055243.71	000.07	243.71
120945	055243.78	000.07	243.78
120950	055243.81	000.03	243.81
120955	055243.85	000.04	243.85
121000	055243.93	000.08	243.93
121005	055241.05	-002.88	241.05
121010	055244.33	003.28	244.33
121015	055244.07	-000.26	244.07
121020	055243.92	-000.15	243.92
121025	055243.88	-000.04	243.88
121030	055243.88	000.00	243.88
121035	055243.84	-000.04	243.84
121040	055243.79	-000.05	243.79
121045	055243.83	000.04	243.83
121050	055243.83	000.00	243.83

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
121055	055243.95	000.12	243.95
121100	055243.92	-000.03	243.92
121105	055243.83	-000.09	243.83
121110	055243.35	-000.48	243.35
121115	055244.03	000.68	244.03
121120	055244.07	000.04	244.07
121125	055244.07	000.00	244.07
121130	055244.11	000.04	244.11
121135	055244.08	-000.03	244.08
121140	055244.01	-000.07	244.01
121145	055243.88	-000.13	243.88
121150	055243.87	-000.01	243.87
121155	055243.87	000.00	243.87
121200	055243.37	-000.50	243.37
121205	055244.37	001.00	244.37
121210	055244.51	000.14	244.51
121215	055244.59	000.08	244.59
121220	055244.62	000.03	244.62
121225	055244.29	-000.33	244.29
121230	055244.25	-000.04	244.25
121235	055244.24	-000.01	244.24
121240	055242.62	-001.62	242.62
121245	055244.37	001.75	244.37
121250	055244.41	000.04	244.41
121255	055244.40	-000.01	244.40
121300	055244.68	000.28	244.68
121305	055244.67	-000.01	244.67
121310	055244.69	000.02	244.69
121315	055244.56	-000.13	244.56
121320	055242.99	-001.57	242.99
121325	055244.74	001.75	244.74
121330	055244.78	000.04	244.78
121335	055244.79	000.01	244.79
121340	055244.75	-000.04	244.75
121345	055244.79	000.04	244.79
121350	055244.77	-000.02	244.77
121355	055244.77	000.00	244.77
121400	055244.80	000.03	244.80
121405	055244.76	-000.04	244.76
121410	055244.73	-000.03	244.73
121415	055244.73	000.00	244.73
121420	055244.72	-000.01	244.72
121425	055244.66	-000.06	244.66
121430	055244.66	000.00	244.66
121435	055244.70	000.04	244.70
121440	055244.74	000.04	244.74
121445	055244.39	-000.35	244.39
121450	055235.45	-008.94	235.45
121455	055244.67	009.22	244.67
121500	055244.68	000.01	244.68
121505	055244.80	000.12	244.80
121510	055244.79	-000.01	244.79
121515	055244.77	-000.02	244.77
121520	055244.77	000.00	244.77

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
121525	055244.70	-000.07	244.70
121530	055244.78	000.08	244.78
121535	055244.73	-000.05	244.73
121540	055244.79	000.06	244.79
121545	055244.79	000.00	244.79
121550	055244.84	000.05	244.84
121555	055244.78	-000.06	244.78
121600	055244.83	000.05	244.83
121605	055244.82	-000.01	244.82
121610	055244.65	-000.17	244.65
121615	055244.42	-000.23	244.42
121620	055244.75	000.33	244.75
121625	055244.75	000.00	244.75
121630	055244.82	000.07	244.82
121635	055244.84	000.02	244.84
121640	055244.89	000.05	244.89
121645	055244.93	000.04	244.93
121650	055244.86	-000.07	244.86
121655	055244.87	000.01	244.87
121700	055244.84	-000.03	244.84
121705	055244.79	-000.05	244.79
121710	055244.87	000.08	244.87
121715	055244.95	000.08	244.95
121720	055244.87	-000.08	244.87
121725	055244.88	000.01	244.88
121730	055244.89	000.01	244.89
121735	055244.86	-000.03	244.86
121740	055244.78	-000.08	244.78
121745	055244.85	000.07	244.85
121750	055244.95	000.10	244.95
121755	055245.02	000.07	245.02
121800	055244.96	-000.06	244.96
121805	055244.90	-000.06	244.90
121810	055244.86	-000.04	244.86
121815	055244.90	000.04	244.90
121820	055244.86	-000.04	244.86
121825	055244.78	-000.08	244.78
121830	055244.83	000.05	244.83
121835	055244.87	000.04	244.87
121840	055244.89	000.02	244.89
121845	055244.80	-000.09	244.80
121850	055244.68	-000.12	244.68
121855	055245.04	000.36	245.04
121900	055245.09	000.05	245.09
121905	055245.14	000.05	245.14
121910	055245.17	000.03	245.17
121915	055245.14	-000.03	245.14
121920	055245.29	000.15	245.29
121925	055245.18	-000.11	245.18
121930	055245.12	-000.06	245.12
121935	055245.15	000.03	245.15
121940	055245.13	-000.02	245.13
121945	055245.18	000.05	245.18
121950	055245.21	000.03	245.21

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
121955	055245.18	-000.03	245.18
122000	055244.95	-000.23	244.95
122005	055244.36	-000.59	244.36
122010	055244.98	000.62	244.98
122015	055245.18	000.20	245.18
122020	055245.18	000.00	245.18
122025	055245.12	-000.06	245.12
122030	055245.14	000.02	245.14
122035	055245.18	000.04	245.18
122040	055245.22	000.04	245.22
122045	055245.22	000.00	245.22
122050	055245.16	-000.06	245.16
122055	055244.86	-000.30	244.86
122100	055244.05	-000.81	244.05
122105	055240.77	-003.28	240.77
122110	055244.32	003.55	244.32
122115	055245.05	000.73	245.05
122120	055245.08	000.03	245.08
122125	055245.08	000.00	245.08
122130	055245.10	000.02	245.10
122135	055245.17	000.07	245.17
122140	055245.16	-000.01	245.16
122145	055245.17	000.01	245.17
122150	055245.21	000.04	245.21
122155	055245.21	000.00	245.21
122200	055245.15	-000.06	245.15
122205	055245.13	-000.02	245.13
122210	055245.22	000.09	245.22
122215	055245.21	-000.01	245.21
122220	055245.24	000.03	245.24
122225	055245.27	000.03	245.27
122230	055245.31	000.04	245.31
122235	055245.34	000.03	245.34
122240	055245.30	-000.04	245.30
122245	055245.37	000.07	245.37
122250	055245.34	-000.03	245.34
122255	055245.33	-000.01	245.33
122300	055245.25	-000.08	245.25
122305	055245.31	000.06	245.31
122310	055245.37	000.06	245.37
122315	055245.31	-000.06	245.31
122320	055245.43	000.12	245.43
122325	055245.39	-000.04	245.39
122330	055245.36	-000.03	245.36
122335	055245.37	000.01	245.37
122340	055245.26	-000.11	245.26
122345	055245.24	-000.02	245.24
122350	055245.29	000.05	245.29
122355	055245.26	-000.03	245.26
122400	055245.22	-000.04	245.22
122405	055245.39	000.17	245.39
122410	055245.46	000.07	245.46
122415	055245.61	000.15	245.61
122420	055245.59	-000.02	245.59

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
122425	055245.67	000.08	245.67
122430	055245.52	-000.15	245.52
122435	055243.14	-002.38	243.14
122440	055245.16	002.02	245.16
122445	055245.25	000.09	245.25
122450	055245.53	000.28	245.53
122455	055245.67	000.14	245.67
122500	055245.60	-000.07	245.60
122505	055245.76	000.16	245.76
122510	055245.42	-000.34	245.42
122515	055245.50	000.08	245.50
122520	055245.24	-000.26	245.24
122525	055245.32	000.08	245.32
122530	055245.31	-000.01	245.31
122535	055245.46	000.15	245.46
122540	055245.71	000.25	245.71
122545	055245.62	-000.09	245.62
122550	055245.63	000.01	245.63
122555	055245.40	-000.23	245.40
122600	055245.39	-000.01	245.39
122605	055245.24	-000.15	245.24
122610	055245.50	000.26	245.50
122615	055245.38	-000.12	245.38
122620	055245.25	-000.13	245.25
122625	055245.30	000.05	245.30
122630	055245.34	000.04	245.34
122635	055245.31	-000.03	245.31
122640	055245.32	000.01	245.32
122645	055244.13	-001.19	244.13
122650	055245.28	001.15	245.28
122655	055245.46	000.18	245.46
122700	055245.43	-000.03	245.43
122705	055245.38	-000.05	245.38
122710	055245.22	-000.16	245.22
122715	055245.41	000.19	245.41
122720	055245.43	000.02	245.43
122725	055245.48	000.05	245.48
122730	055245.47	-000.01	245.47
122735	055245.33	-000.14	245.33
122740	055245.35	000.02	245.35
122745	055245.31	-000.04	245.31
122750	055245.29	-000.02	245.29
122755	055245.10	-000.19	245.10
122800	055245.19	000.09	245.19
122805	055245.22	000.03	245.22
122810	055245.23	000.01	245.23
122815	055245.20	-000.03	245.20
122820	055244.92	-000.28	244.92
122825	055243.94	-000.98	243.94
122830	055244.60	000.66	244.60
122835	055245.10	000.50	245.10
122840	055244.21	-000.89	244.21
122845	055242.47	-001.74	242.47
122850	055245.08	002.61	245.08

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
122855	055245.17	000.09	245.17
122900	055245.21	000.04	245.21
122905	055245.34	000.13	245.34
122910	055245.27	-000.07	245.27
122915	055245.31	000.04	245.31
122920	055244.42	-000.89	244.42
122925	055245.50	001.08	245.50
122930	055245.45	-000.05	245.45
122935	055245.49	000.04	245.49
122940	055245.47	-000.02	245.47
122945	055245.49	000.02	245.49
122950	055245.10	-000.39	245.10
122955	055244.77	-000.33	244.77
123000	055245.35	000.58	245.35
123005	055245.41	000.06	245.41
123010	055245.33	-000.08	245.33
123015	055245.33	000.00	245.33
123020	055245.39	000.06	245.39
123025	055245.42	000.03	245.42
123030	055245.59	000.17	245.59
123035	055245.53	-000.06	245.53
123040	055245.53	000.00	245.53
123045	055245.55	000.02	245.55
123050	055245.42	-000.13	245.42
123055	055245.49	000.07	245.49
123100	055245.44	-000.05	245.44
123105	055245.49	000.05	245.49
123110	055245.50	000.01	245.50
123115	055245.43	-000.07	245.43
123120	055245.47	000.04	245.47
123125	055245.41	-000.06	245.41
123130	055245.26	-000.15	245.26
123135	055245.46	000.20	245.46
123140	055243.30	-002.16	243.30
123145	055245.14	001.84	245.14
123150	055245.27	000.13	245.27
123155	055245.29	000.02	245.29
123200	055245.36	000.07	245.36
123205	055245.40	000.04	245.40
123210	055245.43	000.03	245.43
123215	055245.33	-000.10	245.33
123220	055245.39	000.06	245.39
123225	055245.37	-000.02	245.37
123230	055245.40	000.03	245.40
123235	055245.47	000.07	245.47
123240	055245.46	-000.01	245.46
123245	055245.67	000.21	245.67
123250	055245.51	-000.16	245.51
123255	055245.67	000.16	245.67
123300	055245.69	000.02	245.69
123305	055245.69	000.00	245.69
123310	055245.71	000.02	245.71
123315	055245.70	-000.01	245.70
123320	055245.80	000.10	245.80

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
123325	055245.78	-000.02	245.78
123330	055245.73	-000.05	245.73
123335	055245.60	-000.13	245.60
123340	055245.66	000.06	245.66
123345	055245.67	000.01	245.67
123350	055245.65	-000.02	245.65
123355	055245.66	000.01	245.66
123400	055245.67	000.01	245.67
123405	055245.69	000.02	245.69
123410	055245.65	-000.04	245.65
123415	055245.78	000.13	245.78
123420	055245.49	-000.29	245.49
123425	055244.65	-000.84	244.65
123430	055245.61	000.96	245.61
123435	055245.71	000.10	245.71
123440	055245.76	000.05	245.76
123445	055245.69	-000.07	245.69
123450	055245.65	-000.04	245.65
123455	055245.75	000.10	245.75
123500	055245.63	-000.12	245.63
123505	055245.61	-000.02	245.61
123510	055245.46	-000.15	245.46
123515	055245.50	000.04	245.50
123520	055245.54	000.04	245.54
123525	055245.51	-000.03	245.51
123530	055245.54	000.03	245.54
123535	055245.53	-000.01	245.53
123540	055245.56	000.03	245.56
123545	055245.51	-000.05	245.51
123550	055245.44	-000.07	245.44
123555	055245.50	000.06	245.50
123600	055245.54	000.04	245.54
123605	055245.68	000.14	245.68
123610	055245.64	-000.04	245.64
123615	055245.07	-000.57	245.07
123620	055235.08	-009.99	235.08
123625	055245.51	010.43	245.51
123630	055245.67	000.16	245.67
123635	055245.63	-000.04	245.63
123640	055245.54	-000.09	245.54
123645	055245.48	-000.06	245.48
123650	055245.44	-000.04	245.44
123655	055245.28	-000.16	245.28
123700	055237.42	-007.86	237.42
123705	055244.86	007.44	244.86
123710	055245.29	000.43	245.29
123715	055245.04	-000.25	245.04
123720	055243.02	-002.02	243.02
123725	055245.22	002.20	245.22
123730	055245.33	000.11	245.33
123735	055245.42	000.09	245.42
123740	055245.38	-000.04	245.38
123745	055245.36	-000.02	245.36
123750	055245.36	000.00	245.36

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
123755	055245.38	000.02	245.38
123800	055245.39	000.01	245.39
123805	055245.33	-000.06	245.33
123810	055245.31	-000.02	245.31
123815	055245.23	-000.08	245.23
123820	055245.06	-000.17	245.06
123825	055244.88	-000.18	244.88
123830	055244.41	-000.47	244.41
123835	055242.64	-001.77	242.64
123840	055232.36	-010.28	232.36
123845	055152.53	-079.83	152.53
123850	055227.32	074.79	227.32
123855	055242.00	014.68	242.00
123900	055244.25	002.25	244.25
123905	055244.92	000.67	244.92
123910	055245.12	000.20	245.12
123915	055245.17	000.05	245.17
123920	055245.17	000.00	245.17
123925	055245.13	-000.04	245.13
123930	055245.15	000.02	245.15
123935	055245.18	000.03	245.18
123940	055245.21	000.03	245.21
123945	055245.14	-000.07	245.14
123950	055245.15	000.01	245.15
123955	055245.19	000.04	245.19
124000	055245.23	000.04	245.23
124005	055245.16	-000.07	245.16
124010	055245.15	-000.01	245.15
124015	055245.13	-000.02	245.13
124020	055245.13	000.00	245.13
124025	055245.06	-000.07	245.06
124030	055245.06	000.00	245.06
124035	055245.01	-000.05	245.01
124040	055244.93	-000.08	244.93
124045	055244.88	-000.05	244.88
124050	055244.90	000.02	244.90
124055	055244.56	-000.34	244.56
124100	055244.15	-000.41	244.15
124105	055244.71	000.56	244.71
124110	055244.95	000.24	244.95
124115	055245.00	000.05	245.00
124120	055244.84	-000.16	244.84
124125	055244.70	-000.14	244.70
124130	055244.38	-000.32	244.38
124135	055242.51	-001.87	242.51
124140	055241.50	-001.01	241.50
124145	055244.49	002.99	244.49
124150	055244.87	000.38	244.87
124155	055244.91	000.04	244.91
124200	055245.03	000.12	245.03
124205	055243.31	-001.72	243.31
124210	055243.33	000.02	243.33
124215	055243.29	-000.04	243.29
124220	055243.77	000.48	243.77

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
124225	055243.75	-000.02	243.75
124230	055243.63	-000.12	243.63
124235	055241.42	-002.21	241.42
124240	055244.15	002.73	244.15
124245	055244.80	000.65	244.80
124250	055244.85	000.05	244.85
124255	055244.94	000.09	244.94
124300	055245.04	000.10	245.04
124305	055244.29	-000.75	244.29
124310	055245.97	001.68	245.97
124315	055244.67	-001.30	244.67
124320	055244.67	000.00	244.67
124325	055244.72	000.05	244.72
124330	055244.62	-000.10	244.62
124335	055244.21	-000.41	244.21
124340	055244.00	-000.21	244.00
124345	055244.08	000.08	244.08
124350	055243.66	-000.42	243.66
124355	055244.56	000.90	244.56
124400	055244.55	-000.01	244.55
124405	055244.56	000.01	244.56
124410	055244.60	000.04	244.60
124415	055244.60	000.00	244.60
124420	055244.59	-000.01	244.59
124425	055244.54	-000.05	244.54
124430	055244.48	-000.06	244.48
124435	055244.47	-000.01	244.47
124440	055244.43	-000.04	244.43
124445	055244.39	-000.04	244.39
124450	055244.43	000.04	244.43
124455	055244.36	-000.07	244.36
124500	055244.39	000.03	244.39
124505	055244.45	000.06	244.45
124510	055244.46	000.01	244.46
124515	055244.48	000.02	244.48
124520	055244.50	000.02	244.50
124525	055244.54	000.04	244.54
124530	055244.57	000.03	244.57
124535	055244.52	-000.05	244.52
124540	055244.59	000.07	244.59
124545	055244.49	-000.10	244.49
124550	055244.37	-000.12	244.37
124555	055244.41	000.04	244.41
124600	055243.97	-000.44	243.97
124605	055241.95	-002.02	241.95
124610	055243.99	002.04	243.99
124615	055244.22	000.23	244.22
124620	055244.24	000.02	244.24
124625	055244.22	-000.02	244.22
124630	055244.22	000.00	244.22
124635	055244.36	000.14	244.36
124640	055244.41	000.05	244.41
124645	055244.43	000.02	244.43
124650	055244.45	000.02	244.45

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
124655	055244.50	000.05	244.50
124700	055244.34	-000.16	244.34
124705	055243.59	-000.75	243.59
124710	055244.27	000.68	244.27
124715	055244.37	000.10	244.37
124720	055244.39	000.02	244.39
124725	055244.32	-000.07	244.32
124730	055244.34	000.02	244.34
124735	055244.41	000.07	244.41
124740	055244.38	-000.03	244.38
124745	055244.29	-000.09	244.29
124750	055244.31	000.02	244.31
124755	055244.22	-000.09	244.22
124800	055244.17	-000.05	244.17
124805	055244.13	-000.04	244.13
124810	055244.16	000.03	244.16
124815	055244.12	-000.04	244.12
124820	055244.21	000.09	244.21
124825	055244.25	000.04	244.25
124830	055244.26	000.01	244.26
124835	055244.20	-000.06	244.20
124840	055243.59	-000.61	243.59
124845	055241.40	-002.19	241.40
124850	055243.96	002.56	243.96
124855	055244.20	000.24	244.20
124900	055243.50	-000.70	243.50
124905	055244.21	000.71	244.21
124910	055244.20	-000.01	244.20
124915	055244.09	-000.11	244.09
124920	055244.21	000.12	244.21
124925	055244.15	-000.06	244.15
124930	055244.15	000.00	244.15
124935	055244.19	000.04	244.19
124940	055244.11	-000.08	244.11
124945	055244.02	-000.09	244.02
124950	055244.15	000.13	244.15
124955	055244.15	000.00	244.15
125000	055244.18	000.03	244.18
125005	055244.23	000.05	244.23
125010	055244.24	000.01	244.24
125015	055244.26	000.02	244.26
125020	055244.23	-000.03	244.23
125025	055243.96	-000.27	243.96
125030	055244.05	000.09	244.05
125035	055244.11	000.06	244.11
125040	055244.15	000.04	244.15
125045	055244.08	-000.07	244.08
125050	055244.09	000.01	244.09
125055	055244.00	-000.09	244.00
125100	055243.07	-000.93	243.07
125105	055244.13	001.06	244.13
125110	055244.23	000.10	244.23
125115	055244.18	-000.05	244.18
125120	055244.13	-000.05	244.13

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
125125	055244.15	000.02	244.15
125130	055244.22	000.07	244.22
125135	055244.22	000.00	244.22
125140	055244.08	-000.14	244.08
125145	055244.15	000.07	244.15
125150	055244.20	000.05	244.20
125155	055244.05	-000.15	244.05
125200	055242.21	-001.84	242.21
125205	055244.02	001.81	244.02
125210	055244.22	000.20	244.22
125215	055244.01	-000.21	244.01
125220	055244.22	000.21	244.22
125225	055244.24	000.02	244.24
125230	055244.05	-000.19	244.05
125235	055243.56	-000.49	243.56
125240	055243.98	000.42	243.98
125245	055244.23	000.25	244.23
125250	055244.31	000.08	244.31
125255	055244.35	000.04	244.35
125300	055244.38	000.03	244.38
125305	055244.39	000.01	244.39
125310	055244.34	-000.05	244.34
125315	055244.38	000.04	244.38
125320	055244.37	-000.01	244.37
125325	055244.44	000.07	244.44
125330	055244.05	-000.39	244.05
125335	055244.31	000.26	244.31
125340	055244.34	000.03	244.34
125345	055244.41	000.07	244.41
125350	055244.08	-000.33	244.08
125355	055234.31	-009.77	234.31
125400	055243.94	009.63	243.94
125405	055242.37	-001.57	242.37
125410	055244.33	001.96	244.33
125415	055244.52	000.19	244.52
125420	055244.13	-000.39	244.13
125425	055243.91	-000.22	243.91
125430	055244.29	000.38	244.29
125435	055244.52	000.23	244.52
125440	055244.60	000.08	244.60
125445	055244.59	-000.01	244.59
125450	055244.59	000.00	244.59
125455	055244.60	000.01	244.60
125500	055244.64	000.04	244.64
125505	055244.37	-000.27	244.37
125510	055244.36	-000.01	244.36
125515	055244.67	000.31	244.67
125520	055244.71	000.04	244.71
125525	055244.64	-000.07	244.64
125530	055244.59	-000.05	244.59
125535	055244.64	000.05	244.64
125540	055244.71	000.07	244.71
125545	055244.66	-000.05	244.66
125550	055244.67	000.01	244.67

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
125555	055244.77	000.10	244.77
125600	055244.66	-000.11	244.66
125605	055244.62	-000.04	244.62
125610	055244.61	-000.01	244.61
125615	055244.63	000.02	244.63
125620	055244.63	000.00	244.63
125625	055244.51	-000.12	244.51
125630	055244.59	000.08	244.59
125635	055244.73	000.14	244.73
125640	055244.75	000.02	244.75
125645	055244.90	000.15	244.90
125650	055244.78	-000.12	244.78
125655	055244.76	-000.02	244.76
125700	055244.56	-000.20	244.56
125705	055244.63	000.07	244.63
125710	055244.74	000.11	244.74
125715	055244.22	-000.52	244.22
125720	055244.56	000.34	244.56
125725	055244.56	000.00	244.56
125730	055244.63	000.07	244.63
125735	055244.66	000.03	244.66
125740	055244.76	000.10	244.76
125745	055244.81	000.05	244.81
125750	055244.63	-000.18	244.63
125755	055244.67	000.04	244.67
125800	055244.74	000.07	244.74
125805	055244.77	000.03	244.77
125810	055244.91	000.14	244.91
125815	055244.87	-000.04	244.87
125820	055242.30	-002.57	242.30
125825	055244.86	002.56	244.86
125830	055244.99	000.13	244.99
125835	055244.95	-000.04	244.95
125840	055245.04	000.09	245.04
125845	055245.11	000.07	245.11
125850	055245.09	-000.02	245.09
125855	055245.12	000.03	245.12
125900	055244.94	-000.18	244.94
125905	055244.53	-000.41	244.53
125910	055245.18	000.65	245.18
125915	055245.22	000.04	245.22
125920	055245.23	000.01	245.23
125925	055245.21	-000.02	245.21
125930	055245.22	000.01	245.22
125935	055245.00	-000.22	245.00
125940	055244.39	-000.61	244.39
125945	055244.90	000.51	244.90
125950	055245.16	000.26	245.16
125955	055245.26	000.10	245.26
130000	055245.12	-000.14	245.12
130005	055245.28	000.16	245.28
130010	055245.19	-000.09	245.19
130015	055245.25	000.06	245.25
130020	055245.23	-000.02	245.23

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
130025	055245.23	000.00	245.23
130030	055245.20	-000.03	245.20
130035	055245.13	-000.07	245.13
130040	055245.25	000.12	245.25
130045	055245.20	-000.05	245.20
130050	055245.11	-000.09	245.11
130055	055245.16	000.05	245.16
130100	055245.24	000.08	245.24
130105	055245.20	-000.04	245.20
130110	055245.25	000.05	245.25
130115	055245.09	-000.16	245.09
130120	055245.18	000.09	245.18
130125	055245.31	000.13	245.31
130130	055245.18	-000.13	245.18
130135	055245.09	-000.09	245.09
130140	055244.79	-000.30	244.79
130145	055243.39	-001.40	243.39
130150	055241.48	-001.91	241.48
130155	055244.91	003.43	244.91
130200	055245.37	000.46	245.37
130205	055245.52	000.15	245.52
130210	055245.47	-000.05	245.47
130215	055245.45	-000.02	245.45
130220	055245.62	000.17	245.62
130225	055245.51	-000.11	245.51
130230	055245.52	000.01	245.52
130235	055245.49	-000.03	245.49
130240	055245.49	000.00	245.49
130245	055245.59	000.10	245.59
130250	055245.56	-000.03	245.56
130255	055245.49	-000.07	245.49
130300	055245.39	-000.10	245.39
130305	055245.54	000.15	245.54
130310	055245.58	000.04	245.58
130315	055245.55	-000.03	245.55
130320	055245.61	000.06	245.61
130325	055245.60	-000.01	245.60
130330	055245.67	000.07	245.67
130335	055245.72	000.05	245.72
130340	055245.53	-000.19	245.53
130345	055245.60	000.07	245.60
130350	055245.51	-000.09	245.51
130355	055245.64	000.13	245.64
130400	055245.72	000.08	245.72
130405	055245.70	-000.02	245.70
130410	055245.56	-000.14	245.56
130415	055245.12	-000.44	245.12
130420	055245.72	000.60	245.72
130425	055244.10	-001.62	244.10
130430	055245.76	001.66	245.76
130435	055245.78	000.02	245.78
130440	055245.64	-000.14	245.64
130445	055245.74	000.10	245.74
130450	055245.91	000.17	245.91

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
130455	055245.89	-000.02	245.89
130500	055245.81	-000.08	245.81
130505	055245.67	-000.14	245.67
130510	055240.52	-005.15	240.52
130515	055245.33	004.81	245.33
130520	055245.65	000.32	245.65
130525	055245.73	000.08	245.73
130530	055245.78	000.05	245.78
130535	055245.67	-000.11	245.67
130540	055245.59	-000.08	245.59
130545	055245.67	000.08	245.67
130550	055245.72	000.05	245.72
130555	055245.70	-000.02	245.70
130600	055245.68	-000.02	245.68
130605	055245.71	000.03	245.71
130610	055245.73	000.02	245.73
130615	055245.74	000.01	245.74
130620	055245.78	000.04	245.78
130625	055245.65	-000.13	245.65
130630	055245.71	000.06	245.71
130635	055245.65	-000.06	245.65
130640	055245.65	000.00	245.65
130645	055245.56	-000.09	245.56
130650	055245.51	-000.05	245.51
130655	055245.56	000.05	245.56
130700	055245.49	-000.07	245.49
130705	055245.49	000.00	245.49
130710	055245.46	-000.03	245.46
130715	055245.57	000.11	245.57
130720	055245.52	-000.05	245.52
130725	055245.39	-000.13	245.39
130730	055245.35	-000.04	245.35
130735	055245.38	000.03	245.38
130740	055245.44	000.06	245.44
130745	055245.47	000.03	245.47
130750	055245.45	-000.02	245.45
130755	055245.46	000.01	245.46
130800	055245.51	000.05	245.51
130805	055245.50	-000.01	245.50
130810	055245.56	000.06	245.56
130815	055245.45	-000.11	245.45
130820	055245.51	000.06	245.51
130825	055245.53	000.02	245.53
130830	055245.46	-000.07	245.46
130835	055245.48	000.02	245.48
130840	055245.46	-000.02	245.46
130845	055245.47	000.01	245.47
130850	055245.38	-000.09	245.38
130855	055245.45	000.07	245.45
130900	055245.38	-000.07	245.38
130905	055245.38	000.00	245.38
130910	055245.37	-000.01	245.37
130915	055245.45	000.08	245.45
130920	055245.38	-000.07	245.38

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
130925	055245.19	-000.19	245.19
130930	055244.23	-000.96	244.23
130935	055242.61	-001.62	242.61
130940	055245.35	002.74	245.35
130945	055245.45	000.10	245.45
130950	055245.51	000.06	245.51
130955	055245.55	000.04	245.55
131000	055245.57	000.02	245.57
131005	055245.66	000.09	245.66
131010	055245.67	000.01	245.67
131015	055245.71	000.04	245.71
131020	055245.67	-000.04	245.67
131025	055245.70	000.03	245.70
131030	055245.69	-000.01	245.69
131035	055245.68	-000.01	245.68
131040	055245.70	000.02	245.70
131045	055245.67	-000.03	245.67
131050	055245.68	000.01	245.68
131055	055245.64	-000.04	245.64
131100	055245.65	000.01	245.65
131105	055245.64	-000.01	245.64
131110	055245.64	000.00	245.64
131115	055245.65	000.01	245.65
131120	055245.65	000.00	245.65
131125	055245.70	000.05	245.70
131130	055245.75	000.05	245.75
131135	055245.78	000.03	245.78
131140	055245.82	000.04	245.82
131145	055245.86	000.04	245.86
131150	055245.88	000.02	245.88
131155	055245.95	000.07	245.95
131200	055245.94	-000.01	245.94
131205	055245.90	-000.04	245.90
131210	055245.83	-000.07	245.83
131215	055245.76	-000.07	245.76
131220	055245.70	-000.06	245.70
131225	055245.78	000.08	245.78
131230	055245.86	000.08	245.86
131235	055245.92	000.06	245.92
131240	055245.94	000.02	245.94
131245	055246.00	000.06	246.00
131250	055246.03	000.03	246.03
131255	055245.98	-000.05	245.98
131300	055245.97	-000.01	245.97
131305	055245.95	-000.02	245.95
131310	055245.99	000.04	245.99
131315	055246.02	000.03	246.02
131320	055246.04	000.02	246.04
131325	055246.02	-000.02	246.02
131330	055246.07	000.05	246.07
131335	055245.98	-000.09	245.98
131340	055245.77	-000.21	245.77
131345	055246.18	000.41	246.18
131350	055246.21	000.03	246.21

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
131355	055246.22	000.01	246.22
131400	055246.21	-000.01	246.21
131405	055246.15	-000.06	246.15
131410	055246.17	000.02	246.17
131415	055246.21	000.04	246.21
131420	055246.33	000.12	246.33
131425	055246.35	000.02	246.35
131430	055246.43	000.08	246.43
131435	055246.31	-000.12	246.31
131440	055246.32	000.01	246.32
131445	055246.23	-000.09	246.23
131450	055246.14	-000.09	246.14
131455	055246.19	000.05	246.19
131500	055246.14	-000.05	246.14
131505	055246.00	-000.14	246.00
131510	055246.27	000.27	246.27
131515	055246.31	000.04	246.31
131520	055246.32	000.01	246.32
131525	055246.28	-000.04	246.28
131530	055246.35	000.07	246.35
131535	055245.99	-000.36	245.99
131540	055240.08	-005.91	240.08
131545	055245.69	005.61	245.69
131550	055246.37	000.68	246.37
131555	055246.26	-000.11	246.26
131600	055246.33	000.07	246.33
131605	055246.27	-000.06	246.27
131610	055246.22	-000.05	246.22
131615	055246.21	-000.01	246.21
131620	055246.22	000.01	246.22
131625	055245.58	-000.64	245.58
131630	055245.87	000.29	245.87
131635	055246.33	000.46	246.33
131640	055246.44	000.11	246.44
131645	055246.35	-000.09	246.35
131650	055246.29	-000.06	246.29
131655	055245.57	-000.72	245.57
131700	055246.03	000.46	246.03
131705	055246.17	000.14	246.17
131710	055246.15	-000.02	246.15
131715	055246.20	000.05	246.20
131720	055246.33	000.13	246.33
131725	055246.42	000.09	246.42
131730	055246.44	000.02	246.44
131735	055246.38	-000.06	246.38
131740	055246.34	-000.04	246.34
131745	055246.28	-000.06	246.28
131750	055246.21	-000.07	246.21
131755	055246.20	-000.01	246.20
131800	055246.21	000.01	246.21
131805	055246.28	000.07	246.28
131810	055246.37	000.09	246.37
131815	055246.50	000.13	246.50
131820	055246.41	-000.09	246.41

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
131825	055246.61	000.20	246.61
131830	055246.63	000.02	246.63
131835	055246.60	-000.03	246.60
131840	055246.58	-000.02	246.58
131845	055246.52	-000.06	246.52
131850	055246.62	000.10	246.62
131855	055246.51	-000.11	246.51
131900	055246.67	000.16	246.67
131905	055246.74	000.07	246.74
131910	055246.79	000.05	246.79
131915	055246.86	000.07	246.86
131920	055246.90	000.04	246.90
131925	055246.94	000.04	246.94
131930	055246.96	000.02	246.96
131935	055246.98	000.02	246.98
131940	055247.05	000.07	247.05
131945	055247.02	-000.03	247.02
131950	055247.14	000.12	247.14
131955	055247.13	-000.01	247.13
132000	055247.15	000.02	247.15
132005	055247.11	-000.04	247.11
132010	055247.11	000.00	247.11
132015	055247.19	000.08	247.19
132020	055247.15	-000.04	247.15
132025	055246.95	-000.20	246.95
132030	055247.25	000.30	247.25
132035	055247.30	000.05	247.30
132040	055247.20	-000.10	247.20
132045	055247.29	000.09	247.29
132050	055247.30	000.01	247.30
132055	055247.40	000.10	247.40
132100	055247.43	000.03	247.43
132105	055247.38	-000.05	247.38
132110	055247.36	-000.02	247.36
132115	055247.34	-000.02	247.34
132120	055247.37	000.03	247.37
132125	055247.45	000.08	247.45
132130	055247.52	000.07	247.52
132135	055247.44	-000.08	247.44
132140	055247.42	-000.02	247.42
132145	055247.45	000.03	247.45
132150	055247.50	000.05	247.50
132155	055247.49	-000.01	247.49
132200	055247.18	-000.31	247.18
132205	055247.05	-000.13	247.05
132210	055246.41	-000.64	246.41
132215	055246.89	000.48	246.89
132220	055246.37	-000.52	246.37
132225	055243.52	-002.85	243.52
132230	055245.28	001.76	245.28
132235	055247.17	001.89	247.17
132240	055247.49	000.32	247.49
132245	055247.50	000.01	247.50
132250	055247.65	000.15	247.65

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
132255	055247.63	-000.02	247.63
132300	055247.76	000.13	247.76
132305	055247.63	-000.13	247.63
132310	055247.49	-000.14	247.49
132315	055247.90	000.41	247.90
132320	055248.01	000.11	248.01
132325	055247.99	-000.02	247.99
132330	055247.68	-000.31	247.68
132335	055247.77	000.09	247.77
132340	055247.80	000.03	247.80
132345	055247.77	-000.03	247.77
132350	055247.76	-000.01	247.76
132355	055247.79	000.03	247.79
132400	055248.00	000.21	248.00
132405	055248.17	000.17	248.17
132410	055248.27	000.10	248.27
132415	055248.30	000.03	248.30
132420	055248.27	-000.03	248.27
132425	055248.38	000.11	248.38
132430	055248.37	-000.01	248.37
132435	055248.34	-000.03	248.34
132440	055248.24	-000.10	248.24
132445	055248.24	000.00	248.24
132450	055248.31	000.07	248.31
132455	055248.48	000.17	248.48
132500	055248.56	000.08	248.56
132505	055248.15	-000.41	248.15
132510	055238.62	-009.53	238.62
132515	055246.77	008.15	246.77
132520	055248.57	001.80	248.57
132525	055248.73	000.16	248.73
132530	055248.66	-000.07	248.66
132535	055248.58	-000.08	248.58
132540	055248.58	000.00	248.58
132545	055248.56	-000.02	248.56
132550	055248.72	000.16	248.72
132555	055248.92	000.20	248.92
132600	055248.50	-000.42	248.50
132605	055248.79	000.29	248.79
132610	055249.19	000.40	249.19
132615	055249.20	000.01	249.20
132620	055249.24	000.04	249.24
132625	055249.25	000.01	249.25
132630	055249.28	000.03	249.28
132635	055249.31	000.03	249.31
132640	055249.06	-000.25	249.06
132645	055249.10	000.04	249.10
132650	055249.28	000.18	249.28
132655	055249.09	-000.19	249.09
132700	055249.26	000.17	249.26
132705	055249.35	000.09	249.35
132710	055249.32	-000.03	249.32
132715	055249.13	-000.19	249.13
132720	055249.21	000.08	249.21

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
132725	055249.24	000.03	249.24
132730	055249.15	-000.09	249.15
132735	055249.18	000.03	249.18
132740	055249.13	-000.05	249.13
132745	055249.25	000.12	249.25
132750	055249.21	-000.04	249.21
132755	055249.33	000.12	249.33
132800	055249.22	-000.11	249.22
132805	055249.15	-000.07	249.15
132810	055249.10	-000.05	249.10
132815	055248.76	-000.34	248.76
132820	055248.69	-000.07	248.69
132825	055249.39	000.70	249.39
132830	055249.45	000.06	249.45
132835	055249.42	-000.03	249.42
132840	055249.42	000.00	249.42
132845	055249.32	-000.10	249.32
132850	055249.32	000.00	249.32
132855	055249.25	-000.07	249.25
132900	055249.26	000.01	249.26
132905	055249.03	-000.23	249.03
132910	055249.00	-000.03	249.00
132915	055249.15	000.15	249.15
132920	055249.11	-000.04	249.11
132925	055249.01	-000.10	249.01
132930	055248.98	-000.03	248.98
132935	055248.94	-000.04	248.94
132940	055248.84	-000.10	248.84
132945	055248.84	000.00	248.84
132950	055248.82	-000.02	248.82
132955	055249.07	000.25	249.07
133000	055249.13	000.06	249.13
133005	055249.19	000.06	249.19
133010	055249.21	000.02	249.21
133015	055249.15	-000.06	249.15
133020	055249.11	-000.04	249.11
133025	055249.04	-000.07	249.04
133030	055249.05	000.01	249.05
133035	055249.07	000.02	249.07
133040	055248.93	-000.14	248.93
133045	055248.65	-000.28	248.65
133050	055245.43	-003.22	245.43
133055	055246.05	000.62	246.05
133100	055244.95	-001.10	244.95
133105	055248.12	003.17	248.12
133110	055248.64	000.52	248.64
133115	055248.65	000.01	248.65
133120	055248.90	000.25	248.90
133125	055248.91	000.01	248.91
133130	055248.80	-000.11	248.80
133135	055248.71	-000.09	248.71
133140	055248.55	-000.16	248.55
133145	055248.29	-000.26	248.29
133150	055248.13	-000.16	248.13

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
133155	055247.86	-000.27	247.86
133200	055247.84	-000.02	247.84
133205	055247.84	000.00	247.84
133210	055247.85	000.01	247.85
133215	055248.00	000.15	248.00
133220	055248.29	000.29	248.29
133225	055248.48	000.19	248.48
133230	055248.53	000.05	248.53
133235	055248.52	-000.01	248.52
133240	055248.48	-000.04	248.48
133245	055248.40	-000.08	248.40
133250	055248.47	000.07	248.47
133255	055248.47	000.00	248.47
133300	055248.49	000.02	248.49
133305	055248.50	000.01	248.50
133310	055248.55	000.05	248.55
133315	055248.63	000.08	248.63
133320	055248.50	-000.13	248.50
133325	055248.43	-000.07	248.43
133330	055248.45	000.02	248.45
133335	055248.33	-000.12	248.33
133340	055248.28	-000.05	248.28
133345	055248.36	000.08	248.36
133350	055248.44	000.08	248.44
133355	055248.32	-000.12	248.32
133400	055248.49	000.17	248.49
133405	055248.46	-000.03	248.46
133410	055248.45	-000.01	248.45
133415	055248.21	-000.24	248.21
133420	055246.70	-001.51	246.70
133425	055248.10	001.40	248.10
133430	055248.41	000.31	248.41
133435	055248.36	-000.05	248.36
133440	055248.27	-000.09	248.27
133445	055248.01	-000.26	248.01
133450	055247.95	-000.06	247.95
133455	055247.81	-000.14	247.81
133500	055247.74	-000.07	247.74
133505	055247.84	000.10	247.84
133510	055247.93	000.09	247.93
133515	055247.90	-000.03	247.90
133520	055247.74	-000.16	247.74
133525	055247.74	000.00	247.74
133530	055247.73	-000.01	247.73
133535	055247.80	000.07	247.80
133540	055247.75	-000.05	247.75
133545	055247.68	-000.07	247.68
133550	055247.64	-000.04	247.64
133555	055247.62	-000.02	247.62
133600	055247.49	-000.13	247.49
133605	055247.01	-000.48	247.01
133610	055246.40	-000.61	246.40
133615	055247.29	000.89	247.29
133620	055247.56	000.27	247.56

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
133625	055246.24	-001.32	246.24
133630	055247.46	001.22	247.46
133635	055247.48	000.02	247.48
133640	055247.73	000.25	247.73
133645	055247.82	000.09	247.82
133650	055247.91	000.09	247.91
133655	055247.87	-000.04	247.87
133700	055247.92	000.05	247.92
133705	055247.84	-000.08	247.84
133710	055247.90	000.06	247.90
133715	055247.95	000.05	247.95
133720	055248.10	000.15	248.10
133725	055248.21	000.11	248.21
133730	055248.17	-000.04	248.17
133735	055248.17	000.00	248.17
133740	055248.11	-000.06	248.11
133745	055248.16	000.05	248.16
133750	055248.20	000.04	248.20
133755	055248.29	000.09	248.29
133800	055248.40	000.11	248.40
133805	055248.34	-000.06	248.34
133810	055248.27	-000.07	248.27
133815	055248.19	-000.08	248.19
133820	055248.24	000.05	248.24
133825	055248.32	000.08	248.32
133830	055248.46	000.14	248.46
133835	055248.63	000.17	248.63
133840	055248.83	000.20	248.83
133845	055248.88	000.05	248.88
133850	055248.81	-000.07	248.81
133855	055248.77	-000.04	248.77
133900	055248.72	-000.05	248.72
133905	055248.63	-000.09	248.63
133910	055248.73	000.10	248.73
133915	055248.71	-000.02	248.71
133920	055248.72	000.01	248.72
133925	055248.07	-000.65	248.07
133930	055248.84	000.77	248.84
133935	055249.20	000.36	249.20
133940	055249.34	000.14	249.34
133945	055249.36	000.02	249.36
133950	055249.06	-000.30	249.06
133955	055248.93	-000.13	248.93
134000	055249.27	000.34	249.27
134005	055249.15	-000.12	249.15
134010	055248.90	-000.25	248.90
134015	055249.05	000.15	249.05
134020	055249.34	000.29	249.34
134025	055249.44	000.10	249.44
134030	055249.44	000.00	249.44
134035	055249.47	000.03	249.47
134040	055249.53	000.06	249.53
134045	055249.59	000.06	249.59
134050	055249.66	000.07	249.66

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
134055	055249.75	000.09	249.75
134100	055249.79	000.04	249.79
134105	055249.87	000.08	249.87
134110	055249.84	-000.03	249.84
134115	055249.69	-000.15	249.69
134120	055249.65	-000.04	249.65
134125	055249.59	-000.06	249.59
134130	055249.72	000.13	249.72
134135	055249.72	000.00	249.72
134140	055249.81	000.09	249.81
134145	055249.93	000.12	249.93
134150	055250.10	000.17	250.10
134155	055250.14	000.04	250.14
134200	055250.16	000.02	250.16
134205	055250.23	000.07	250.23
134210	055250.11	-000.12	250.11
134215	055249.93	-000.18	249.93
134220	055249.82	-000.11	249.82
134225	055249.85	000.03	249.85
134230	055249.95	000.10	249.95
134235	055250.02	000.07	250.02
134240	055250.15	000.13	250.15
134245	055250.23	000.08	250.23
134250	055250.31	000.08	250.31
134255	055250.40	000.09	250.40
134300	055250.22	-000.18	250.22
134305	055250.13	-000.09	250.13
134310	055250.06	-000.07	250.06
134315	055250.05	-000.01	250.05
134320	055250.14	000.09	250.14
134325	055250.35	000.21	250.35
134330	055250.43	000.08	250.43
134335	055250.63	000.20	250.63
134340	055250.63	000.00	250.63
134345	055250.73	000.10	250.73
134350	055250.62	-000.11	250.62
134355	055250.56	-000.06	250.56
134400	055250.46	-000.10	250.46
134405	055250.39	-000.07	250.39
134410	055250.28	-000.11	250.28
134415	055250.29	000.01	250.29
134420	055250.34	000.05	250.34
134425	055250.43	000.09	250.43
134430	055250.49	000.06	250.49
134435	055250.58	000.09	250.58
134440	055250.48	-000.10	250.48
134445	055250.49	000.01	250.49
134450	055250.48	-000.01	250.48
134455	055248.93	-001.55	248.93
134500	055249.45	000.52	249.45
134505	055250.90	001.45	250.90
134510	055251.00	000.10	251.00
134515	055251.00	000.00	251.00
134520	055250.78	-000.22	250.78

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
134525	055250.16	-000.62	250.16
134530	055250.49	000.33	250.49
134535	055250.56	000.07	250.56
134540	055249.41	-001.15	249.41
134545	055250.54	001.13	250.54
134550	055250.56	000.02	250.56
134555	055250.77	000.21	250.77
134600	055250.85	000.08	250.85
134605	055250.91	000.06	250.91
134610	055250.93	000.02	250.93
134615	055250.81	-000.12	250.81
134620	055250.49	-000.32	250.49
134625	055250.54	000.05	250.54
134630	055250.49	-000.05	250.49
134635	055249.76	-000.73	249.76
134640	055249.52	-000.24	249.52
134645	055250.50	000.98	250.50
134650	055250.84	000.34	250.84
134655	055250.85	000.01	250.85
134700	055250.93	000.08	250.93
134705	055251.13	000.20	251.13
134710	055251.02	-000.11	251.02
134715	055247.62	-003.40	247.62
134720	055250.70	003.08	250.70
134725	055251.62	000.92	251.62
134730	055251.51	-000.11	251.51
134735	055251.39	-000.12	251.39
134740	055251.20	-000.19	251.20
134745	055251.25	000.05	251.25
134750	055251.17	-000.08	251.17
134755	055251.20	000.03	251.20
134800	055251.22	000.02	251.22
134805	055251.39	000.17	251.39
134810	055251.54	000.15	251.54
134815	055251.73	000.19	251.73
134820	055251.78	000.05	251.78
134825	055252.00	000.22	252.00
134830	055252.00	000.00	252.00
134835	055252.04	000.04	252.04
134840	055251.94	-000.10	251.94
134845	055251.94	000.00	251.94
134850	055251.89	-000.05	251.89
134855	055251.93	000.04	251.93
134900	055251.96	000.03	251.96
134905	055252.04	000.08	252.04
134910	055249.96	-002.08	249.96
134915	055251.93	001.97	251.93
134920	055252.00	000.07	252.00
134925	055251.91	-000.09	251.91
134930	055251.93	000.02	251.93
134935	055252.08	000.15	252.08
134940	055252.08	000.00	252.08
134945	055252.17	000.09	252.17
134950	055252.11	-000.06	252.11

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
134955	055252.13	000.02	252.13
135000	055252.11	-000.02	252.11
135005	055252.04	-000.07	252.04
135010	055251.95	-000.09	251.95
135015	055251.97	000.02	251.97
135020	055251.96	-000.01	251.96
135025	055252.03	000.07	252.03
135030	055251.66	-000.37	251.66
135035	055251.95	000.29	251.95
135040	055252.10	000.15	252.10
135045	055252.21	000.11	252.21
135050	055252.24	000.03	252.24
135055	055252.25	000.01	252.25
135100	055252.29	000.04	252.29
135105	055252.35	000.06	252.35
135110	055252.39	000.04	252.39
135115	055252.45	000.06	252.45
135120	055252.47	000.02	252.47
135125	055252.47	000.00	252.47
135130	055252.35	-000.12	252.35
135135	055251.02	-001.33	251.02
135140	055252.09	001.07	252.09
135145	055251.52	-000.57	251.52
135150	055248.12	-003.40	248.12
135155	055252.12	004.00	252.12
135200	055252.43	000.31	252.43
135205	055252.41	-000.02	252.41
135210	055252.46	000.05	252.46
135215	055252.48	000.02	252.48
135220	055252.43	-000.05	252.43
135225	055251.54	-000.89	251.54
135230	055251.54	000.00	251.54
135235	055252.52	000.98	252.52
135240	055252.67	000.15	252.67
135245	055252.59	-000.08	252.59
135250	055252.62	000.03	252.62
135255	055252.67	000.05	252.67
135300	055252.85	000.18	252.85
135305	055252.71	-000.14	252.71
135310	055252.89	000.18	252.89
135315	055252.89	000.00	252.89
135320	055252.71	-000.18	252.71
135325	055252.66	-000.05	252.66
135330	055252.52	-000.14	252.52
135335	055252.39	-000.13	252.39
135340	055252.59	000.20	252.59
135345	055252.59	000.00	252.59
135350	055252.56	-000.03	252.56
135355	055252.18	-000.38	252.18
135400	055252.25	000.07	252.25
135405	055252.71	000.46	252.71
135410	055252.83	000.12	252.83
135415	055252.90	000.07	252.90
135420	055253.01	000.11	253.01

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
135425	055252.92	-000.09	252.92
135430	055253.10	000.18	253.10
135435	055253.04	-000.06	253.04
135440	055253.07	000.03	253.07
135445	055253.07	000.00	253.07
135450	055253.09	000.02	253.09
135455	055253.13	000.04	253.13
135500	055253.07	-000.06	253.07
135505	055253.00	-000.07	253.00
135510	055253.07	000.07	253.07
135515	055253.06	-000.01	253.06
135520	055253.20	000.14	253.20
135525	055253.38	000.18	253.38
135530	055253.42	000.04	253.42
135535	055253.58	000.16	253.58
135540	055253.65	000.07	253.65
135545	055253.74	000.09	253.74
135550	055253.76	000.02	253.76
135555	055253.07	-000.69	253.07
135600	055253.83	000.76	253.83
135605	055253.97	000.14	253.97
135610	055254.00	000.03	254.00
135615	055254.05	000.05	254.05
135620	055254.11	000.06	254.11
135625	055254.11	000.00	254.11
135630	055254.08	-000.03	254.08
135635	055254.10	000.02	254.10
135640	055254.16	000.06	254.16
135645	055254.15	-000.01	254.15
135650	055254.15	000.00	254.15
135655	055254.25	000.10	254.25
135700	055254.29	000.04	254.29
135705	055254.40	000.11	254.40
135710	055254.39	-000.01	254.39
135715	055254.36	-000.03	254.36
135720	055254.39	000.03	254.39
135725	055254.36	-000.03	254.36
135730	055254.41	000.05	254.41
135735	055254.43	000.02	254.43
135740	055254.40	-000.03	254.40
135745	055254.43	000.03	254.43
135750	055254.46	000.03	254.46
135755	055254.55	000.09	254.55
135800	055254.51	-000.04	254.51
135805	055254.60	000.09	254.60
135810	055254.65	000.05	254.65
135815	055254.06	-000.59	254.06
135820	055254.93	000.87	254.93
135825	055254.98	000.05	254.98
135830	055255.07	000.09	255.07
135835	055255.03	-000.04	255.03
135840	055255.03	000.00	255.03
135845	055255.05	000.02	255.05
135850	055254.86	-000.19	254.86

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
135855	055254.73	-000.13	254.73
135900	055254.86	000.13	254.86
135905	055254.79	-000.07	254.79
135910	055254.96	000.17	254.96
135915	055255.05	000.09	255.05
135920	055255.18	000.13	255.18
135925	055255.38	000.20	255.38
135930	055255.46	000.08	255.46
135935	055255.28	-000.18	255.28
135940	055254.93	-000.35	254.93
135945	055253.99	-000.94	253.99
135950	055256.49	002.50	256.49
135955	055253.26	-003.23	253.26
140000	055254.91	001.65	254.91
140005	055255.32	000.41	255.32
140010	055255.42	000.10	255.42
140015	055254.99	-000.43	254.99
140020	055251.43	-003.56	251.43
140025	055255.32	003.89	255.32
140030	055255.87	000.55	255.87
140035	055255.90	000.03	255.90
140040	055256.15	000.25	256.15
140045	055256.15	000.00	256.15
140050	055256.15	000.00	256.15
140055	055256.31	000.16	256.31
140100	055256.44	000.13	256.44
140105	055256.29	-000.15	256.29
140110	055256.30	000.01	256.30
140115	055256.29	-000.01	256.29
140120	055256.35	000.06	256.35
140125	055256.59	000.24	256.59
140130	055256.65	000.06	256.65
140135	055256.71	000.06	256.71
140140	055256.62	-000.09	256.62
140145	055256.60	-000.02	256.60
140150	055256.64	000.04	256.64
140155	055256.77	000.13	256.77
140200	055256.90	000.13	256.90
140205	055256.97	000.07	256.97
140210	055257.12	000.15	257.12
140215	055257.13	000.01	257.13
140220	055257.11	-000.02	257.11
140225	055257.23	000.12	257.23
140230	055257.25	000.02	257.25
140235	055257.01	-000.24	257.01
140240	055257.13	000.12	257.13
140245	055257.19	000.06	257.19
140250	055256.88	-000.31	256.88
140255	055256.86	-000.02	256.86
140300	055256.86	000.00	256.86
140305	055256.99	000.13	256.99
140310	055256.95	-000.04	256.95
140315	055256.96	000.01	256.96
140320	055257.33	000.37	257.33

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
140325	055257.41	000.08	257.41
140330	055257.45	000.04	257.45
140335	055257.71	000.26	257.71
140340	055257.73	000.02	257.73
140345	055257.57	-000.16	257.57
140350	055257.56	-000.01	257.56
140355	055257.55	-000.01	257.55
140400	055257.59	000.04	257.59
140405	055257.65	000.06	257.65
140410	055257.75	000.10	257.75
140415	055257.73	-000.02	257.73
140420	055257.84	000.11	257.84
140425	055257.87	000.03	257.87
140430	055257.77	-000.10	257.77
140435	055257.74	-000.03	257.74
140440	055257.87	000.13	257.87
140445	055258.03	000.16	258.03
140450	055257.99	-000.04	257.99
140455	055257.49	-000.50	257.49
140500	055248.21	-009.28	248.21
140505	055257.75	009.54	257.75
140510	055258.05	000.30	258.05
140515	055258.09	000.04	258.09
140520	055258.03	-000.06	258.03
140525	055257.98	-000.05	257.98
140530	055257.62	-000.36	257.62
140535	055254.98	-002.64	254.98
140540	055256.97	001.99	256.97
140545	055257.88	000.91	257.88
140550	055258.06	000.18	258.06
140555	055258.11	000.05	258.11
140600	055258.17	000.06	258.17
140605	055258.15	-000.02	258.15
140610	055258.15	000.00	258.15
140615	055258.19	000.04	258.19
140620	055258.26	000.07	258.26
140625	055258.37	000.11	258.37
140630	055258.35	-000.02	258.35
140635	055258.20	-000.15	258.20
140640	055258.21	000.01	258.21
140645	055258.12	-000.09	258.12
140650	055258.11	-000.01	258.11
140655	055258.19	000.08	258.19
140700	055257.97	-000.22	257.97
140705	055254.95	-003.02	254.95
140710	055258.06	003.11	258.06
140715	055258.48	000.42	258.48
140720	055258.51	000.03	258.51
140725	055258.40	-000.11	258.40
140730	055258.30	-000.10	258.30
140735	055258.23	-000.07	258.23
140740	055258.21	-000.02	258.21
140745	055258.22	000.01	258.22
140750	055258.19	-000.03	258.19

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
140755	055258.18	-000.01	258.18
140800	055258.01	-000.17	258.01
140805	055257.73	-000.28	257.73
140810	055256.84	-000.89	256.84
140815	055253.84	-003.00	253.84
140820	055257.47	003.63	257.47
140825	055258.12	000.65	258.12
140830	055258.20	000.08	258.20
140835	055258.20	000.00	258.20
140840	055258.10	-000.10	258.10
140845	055258.16	000.06	258.16
140850	055258.13	-000.03	258.13
140855	055258.10	-000.03	258.10
140900	055258.25	000.15	258.25
140905	055258.24	-000.01	258.24
140910	055258.30	000.06	258.30
140915	055258.30	000.00	258.30
140920	055258.47	000.17	258.47
140925	055258.41	-000.06	258.41
140930	055258.38	-000.03	258.38
140935	055258.32	-000.06	258.32
140940	055258.31	-000.01	258.31
140945	055258.31	000.00	258.31
140950	055258.39	000.08	258.39
140955	055258.26	-000.13	258.26
141000	055258.27	000.01	258.27
141005	055258.27	000.00	258.27
141010	055258.17	-000.10	258.17
141015	055258.23	000.06	258.23
141020	055258.20	-000.03	258.20
141025	055258.23	000.03	258.23
141030	055258.23	000.00	258.23
141035	055258.26	000.03	258.26
141040	055258.27	000.01	258.27
141045	055258.27	000.00	258.27
141050	055258.39	000.12	258.39
141055	055258.41	000.02	258.41
141100	055258.42	000.01	258.42
141105	055258.42	000.00	258.42
141110	055258.49	000.07	258.49
141115	055258.51	000.02	258.51
141120	055258.46	-000.05	258.46
141125	055258.39	-000.07	258.39
141130	055258.34	-000.05	258.34
141135	055257.66	-000.68	257.66
141140	055258.33	000.67	258.33
141145	055258.60	000.27	258.60
141150	055258.63	000.03	258.63
141155	055258.40	-000.23	258.40
141200	055257.70	-000.70	257.70
141205	055258.40	000.70	258.40
141210	055258.48	000.08	258.48
141215	055258.57	000.09	258.57
141220	055258.63	000.06	258.63

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
141225	055258.58	-000.05	258.58
141230	055258.53	-000.05	258.53
141235	055258.60	000.07	258.60
141240	055258.73	000.13	258.73
141245	055258.91	000.18	258.91
141250	055258.97	000.06	258.97
141255	055259.00	000.03	259.00
141300	055258.91	-000.09	258.91
141305	055258.84	-000.07	258.84
141310	055258.84	000.00	258.84
141315	055258.89	000.05	258.89
141320	055258.94	000.05	258.94
141325	055259.01	000.07	259.01
141330	055259.01	000.00	259.01
141335	055259.10	000.09	259.10
141340	055259.04	-000.06	259.04
141345	055258.94	-000.10	258.94
141350	055258.92	-000.02	258.92
141355	055258.96	000.04	258.96
141400	055259.07	000.11	259.07
141405	055259.05	-000.02	259.05
141410	055259.05	000.00	259.05
141415	055258.89	-000.16	258.89
141420	055256.54	-002.35	256.54
141425	055259.01	002.47	259.01
141430	055259.11	000.10	259.11
141435	055259.16	000.05	259.16
141440	055259.14	-000.02	259.14
141445	055259.13	-000.01	259.13
141450	055259.11	-000.02	259.11
141455	055259.13	000.02	259.13
141500	055259.15	000.02	259.15
141505	055259.11	-000.04	259.11
141510	055259.11	000.00	259.11
141515	055259.11	000.00	259.11
141520	055259.16	000.05	259.16
141525	055259.20	000.04	259.20
141530	055259.21	000.01	259.21
141535	055259.13	-000.08	259.13
141540	055259.28	000.15	259.28
141545	055259.33	000.05	259.33
141550	055259.27	-000.06	259.27
141555	055259.28	000.01	259.28
141600	055259.30	000.02	259.30
141605	055259.04	-000.26	259.04
141610	055258.51	-000.53	258.51
141615	055259.19	000.68	259.19
141620	055259.18	-000.01	259.18
141625	055259.23	000.05	259.23
141630	055259.26	000.03	259.26
141635	055259.29	000.03	259.29
141640	055259.30	000.01	259.30
141645	055259.37	000.07	259.37
141650	055259.33	-000.04	259.33

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
141655	055259.42	000.09	259.42
141700	055259.37	-000.05	259.37
141705	055259.28	-000.09	259.28
141710	055259.34	000.06	259.34
141715	055259.21	-000.13	259.21
141720	055259.33	000.12	259.33
141725	055259.35	000.02	259.35
141730	055259.35	000.00	259.35
141735	055259.29	-000.06	259.29
141740	055259.23	-000.06	259.23
141745	055259.05	-000.18	259.05
141750	055259.14	000.09	259.14
141755	055259.11	-000.03	259.11
141800	055259.19	000.08	259.19
141805	055259.20	000.01	259.20
141810	055259.34	000.14	259.34
141815	055259.42	000.08	259.42
141820	055259.45	000.03	259.45
141825	055259.47	000.02	259.47
141830	055259.50	000.03	259.50
141835	055259.55	000.05	259.55
141840	055259.47	-000.08	259.47
141845	055258.87	-000.60	258.87
141850	055252.33	-006.54	252.33
141855	055259.34	007.01	259.34
141900	055259.39	000.05	259.39
141905	055259.40	000.01	259.40
141910	055259.47	000.07	259.47
141915	055259.43	-000.04	259.43
141920	055259.44	000.01	259.44
141925	055259.47	000.03	259.47
141930	055259.61	000.14	259.61
141935	055259.67	000.06	259.67
141940	055259.75	000.08	259.75
141945	055259.71	-000.04	259.71
141950	055259.71	000.00	259.71
141955	055259.70	-000.01	259.70
142000	055259.71	000.01	259.71
142005	055259.81	000.10	259.81
142010	055259.86	000.05	259.86
142015	055260.02	000.16	260.02
142020	055260.06	000.04	260.06
142025	055260.09	000.03	260.09
142030	055260.04	-000.05	260.04
142035	055260.09	000.05	260.09
142040	055260.03	-000.06	260.03
142045	055259.71	-000.32	259.71
142050	055259.64	-000.07	259.64
142055	055260.12	000.48	260.12
142100	055260.21	000.09	260.21
142105	055260.10	-000.11	260.10
142110	055260.13	000.03	260.13
142115	055260.08	-000.05	260.08
142120	055260.37	000.29	260.37

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
142125	055260.41	000.04	260.41
142130	055260.44	000.03	260.44
142135	055260.39	-000.05	260.39
142140	055260.43	000.04	260.43
142145	055260.48	000.05	260.48
142150	055260.46	-000.02	260.46
142155	055260.59	000.13	260.59
142200	055260.65	000.06	260.65
142205	055260.66	000.01	260.66
142210	055260.69	000.03	260.69
142215	055260.67	-000.02	260.67
142220	055260.69	000.02	260.69
142225	055260.55	-000.14	260.55
142230	055260.76	000.21	260.76
142235	055260.73	-000.03	260.73
142240	055260.62	-000.11	260.62
142245	055260.42	-000.20	260.42
142250	055259.40	-001.02	259.40
142255	055256.68	-002.72	256.68
142300	055257.97	001.29	257.97
142305	055259.79	001.82	259.79
142310	055260.65	000.86	260.65
142315	055260.74	000.09	260.74
142320	055260.84	000.10	260.84
142325	055260.86	000.02	260.86
142330	055260.96	000.10	260.96
142335	055261.03	000.07	261.03
142340	055261.09	000.06	261.09
142345	055260.96	-000.13	260.96
142350	055260.88	-000.08	260.88
142355	055260.79	-000.09	260.79
142400	055260.88	000.09	260.88
142405	055260.97	000.09	260.97
142410	055260.96	-000.01	260.96
142415	055261.02	000.06	261.02
142420	055261.13	000.11	261.13
142425	055261.07	-000.06	261.07
142430	055261.09	000.02	261.09
142435	055261.08	-000.01	261.08
142440	055261.05	-000.03	261.05
142445	055260.79	-000.26	260.79
142450	055260.93	000.14	260.93
142455	055260.63	-000.30	260.63
142500	055260.82	000.19	260.82
142505	055260.73	-000.09	260.73
142510	055260.86	000.13	260.86
142515	055260.85	-000.01	260.85
142520	055260.81	-000.04	260.81
142525	055260.82	000.01	260.82
142530	055260.80	-000.02	260.80
142535	055260.66	-000.14	260.66
142540	055260.09	-000.57	260.09
142545	055258.64	-001.45	258.64
142550	055260.36	001.72	260.36

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
142555	055260.41	000.05	260.41
142600	055260.45	000.04	260.45
142605	055260.45	000.00	260.45
142610	055260.42	-000.03	260.42
142615	055260.19	-000.23	260.19
142620	055260.41	000.22	260.41
142625	055260.50	000.09	260.50
142630	055260.42	-000.08	260.42
142635	055260.53	000.11	260.53
142640	055260.45	-000.08	260.45
142645	055260.43	-000.02	260.43
142650	055260.44	000.01	260.44
142655	055260.40	-000.04	260.40
142700	055259.62	-000.78	259.62
142705	055260.35	000.73	260.35
142710	055260.19	-000.16	260.19
142715	055260.25	000.06	260.25
142720	055260.30	000.05	260.30
142725	055260.41	000.11	260.41
142730	055260.55	000.14	260.55
142735	055260.59	000.04	260.59
142740	055260.40	-000.19	260.40
142745	055260.30	-000.10	260.30
142750	055260.43	000.13	260.43
142755	055260.35	-000.08	260.35
142800	055260.66	000.31	260.66
142805	055260.67	000.01	260.67
142810	055260.72	000.05	260.72
142815	055260.57	-000.15	260.57
142820	055260.58	000.01	260.58
142825	055260.30	-000.28	260.30
142830	055259.46	-000.84	259.46
142835	055260.44	000.98	260.44
142840	055260.52	000.08	260.52
142845	055260.56	000.04	260.56
142850	055260.58	000.02	260.58
142855	055260.46	-000.12	260.46
142900	055258.88	-001.58	258.88
142905	055258.85	-000.03	258.85
142910	055260.24	001.39	260.24
142915	055259.81	-000.43	259.81
142920	055260.33	000.52	260.33
142925	055260.27	-000.06	260.27
142930	055260.09	-000.18	260.09
142935	055260.67	000.58	260.67
142940	055260.82	000.15	260.82
142945	055260.84	000.02	260.84
142950	055260.80	-000.04	260.80
142955	055260.80	000.00	260.80
143000	055260.82	000.02	260.82
143005	055260.84	000.02	260.84
143010	055260.90	000.06	260.90
143015	055260.93	000.03	260.93
143020	055260.99	000.06	260.99

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
143025	055261.05	000.06	261.05
143030	055261.02	-000.03	261.02
143035	055261.09	000.07	261.09
143040	055261.05	-000.04	261.05
143045	055260.88	-000.17	260.88
143050	055260.31	-000.57	260.31
143055	055260.74	000.43	260.74
143100	055260.97	000.23	260.97
143105	055261.05	000.08	261.05
143110	055261.08	000.03	261.08
143115	055261.11	000.03	261.11
143120	055261.12	000.01	261.12
143125	055261.15	000.03	261.15
143130	055261.19	000.04	261.19
143135	055261.32	000.13	261.32
143140	055261.32	000.00	261.32
143145	055261.18	-000.14	261.18
143150	055261.13	-000.05	261.13
143155	055261.08	-000.05	261.08
143200	055260.70	-000.38	260.70
143205	055261.34	000.64	261.34
143210	055261.37	000.03	261.37
143215	055261.32	-000.05	261.32
143220	055261.08	-000.24	261.08
143225	055261.00	-000.08	261.00
143230	055261.29	000.29	261.29
143235	055261.24	-000.05	261.24
143240	055261.20	-000.04	261.20
143245	055261.13	-000.07	261.13
143250	055261.20	000.07	261.20
143255	055261.34	000.14	261.34
143300	055261.31	-000.03	261.31
143305	055261.29	-000.02	261.29
143310	055261.30	000.01	261.30
143315	055261.30	000.00	261.30
143320	055261.28	-000.02	261.28
143325	055261.34	000.06	261.34
143330	055261.25	-000.09	261.25
143335	055260.08	-001.17	260.08
143340	055261.17	001.09	261.17
143345	055261.39	000.22	261.39
143350	055261.45	000.06	261.45
143355	055261.43	-000.02	261.43
143400	055261.48	000.05	261.48
143405	055261.45	-000.03	261.45
143410	055261.45	000.00	261.45
143415	055261.49	000.04	261.49
143420	055261.60	000.11	261.60
143425	055261.66	000.06	261.66
143430	055261.61	-000.05	261.61
143435	055261.54	-000.07	261.54
143440	055261.50	-000.04	261.50
143445	055261.56	000.06	261.56
143450	055261.44	-000.12	261.44

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
143455	055260.74	-000.70	260.74
143500	055254.57	-006.17	254.57
143505	055261.37	006.80	261.37
143510	055261.55	000.18	261.55
143515	055261.54	-000.01	261.54
143520	055261.52	-000.02	261.52
143525	055261.46	-000.06	261.46
143530	055261.61	000.15	261.61
143535	055261.49	-000.12	261.49
143540	055261.59	000.10	261.59
143545	055261.58	-000.01	261.58
143550	055261.60	000.02	261.60
143555	055261.38	-000.22	261.38
143600	055261.46	000.08	261.46
143605	055261.44	-000.02	261.44
143610	055261.44	000.00	261.44
143615	055261.51	000.07	261.51
143620	055261.37	-000.14	261.37
143625	055261.45	000.08	261.45
143630	055261.43	-000.02	261.43
143635	055261.42	-000.01	261.42
143640	055261.42	000.00	261.42
143645	055261.47	000.05	261.47
143650	055261.45	-000.02	261.45
143655	055261.44	-000.01	261.44
143700	055261.35	-000.09	261.35
143705	055261.32	-000.03	261.32
143710	055261.18	-000.14	261.18
143715	055260.41	-000.77	260.41
143720	055261.03	000.62	261.03
143725	055261.27	000.24	261.27
143730	055261.19	-000.08	261.19
143735	055261.19	000.00	261.19
143740	055261.16	-000.03	261.16
143745	055261.14	-000.02	261.14
143750	055261.17	000.03	261.17
143755	055261.15	-000.02	261.15
143800	055261.18	000.03	261.18
143805	055261.23	000.05	261.23
143810	055261.20	-000.03	261.20
143815	055261.13	-000.07	261.13
143820	055261.15	000.02	261.15
143825	055261.15	000.00	261.15
143830	055261.10	-000.05	261.10
143835	055261.11	000.01	261.11
143840	055261.09	-000.02	261.09
143845	055261.07	-000.02	261.07
143850	055261.06	-000.01	261.06
143855	055261.10	000.04	261.10
143900	055261.17	000.07	261.17
143905	055261.23	000.06	261.23
143910	055261.27	000.04	261.27
143915	055261.24	-000.03	261.24
143920	055261.24	000.00	261.24

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
143925	055261.24	000.00	261.24
143930	055261.28	000.04	261.28
143935	055261.40	000.12	261.40
143940	055261.46	000.06	261.46
143945	055261.55	000.09	261.55
143950	055261.49	-000.06	261.49
143955	055261.64	000.15	261.64
144000	055261.59	-000.05	261.59
144005	055261.38	-000.21	261.38
144010	055261.32	-000.06	261.32
144015	055261.45	000.13	261.45
144020	055261.39	-000.06	261.39
144025	055261.56	000.17	261.56
144030	055261.68	000.12	261.68
144035	055261.61	-000.07	261.61
144040	055260.63	-000.98	260.63
144045	055260.80	000.17	260.80
144050	055260.96	000.16	260.96
144055	055261.54	000.58	261.54
144100	055261.45	-000.09	261.45
144105	055260.91	-000.54	260.91
144110	055261.16	000.25	261.16
144115	055260.60	-000.56	260.60
144120	055260.80	000.20	260.80
144125	055261.21	000.41	261.21
144130	055261.25	000.04	261.25
144135	055261.26	000.01	261.26
144140	055261.31	000.05	261.31
144145	055261.42	000.11	261.42
144150	055261.58	000.16	261.58
144155	055261.48	-000.10	261.48
144200	055261.46	-000.02	261.46
144205	055261.46	000.00	261.46
144210	055261.33	-000.13	261.33
144215	055261.33	000.00	261.33
144220	055261.24	-000.09	261.24
144225	055260.92	-000.32	260.92
144230	055260.13	-000.79	260.13
144235	055257.75	-002.38	257.75
144240	055259.38	001.63	259.38
144245	055259.01	-000.37	259.01
144250	055261.36	002.35	261.36
144255	055261.36	000.00	261.36
144300	055261.41	000.05	261.41
144305	055261.44	000.03	261.44
144310	055261.42	-000.02	261.42
144315	055261.55	000.13	261.55
144320	055261.59	000.04	261.59
144325	055261.60	000.01	261.60
144330	055261.34	-000.26	261.34
144335	055261.46	000.12	261.46
144340	055261.44	-000.02	261.44
144345	055261.56	000.12	261.56
144350	055261.44	-000.12	261.44

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
144355	055261.67	000.23	261.67
144400	055261.52	-000.15	261.52
144405	055261.76	000.24	261.76
144410	055261.83	000.07	261.83
144415	055261.82	-000.01	261.82
144420	055261.86	000.04	261.86
144425	055261.85	-000.01	261.85
144430	055261.90	000.05	261.90
144435	055261.93	000.03	261.93
144440	055261.78	-000.15	261.78
144445	055261.91	000.13	261.91
144450	055261.91	000.00	261.91
144455	055261.95	000.04	261.95
144500	055261.97	000.02	261.97
144505	055262.04	000.07	262.04
144510	055261.99	-000.05	261.99
144515	055261.97	-000.02	261.97
144520	055261.92	-000.05	261.92
144525	055261.96	000.04	261.96
144530	055262.07	000.11	262.07
144535	055262.08	000.01	262.08
144540	055262.04	-000.04	262.04
144545	055261.83	-000.21	261.83
144550	055259.77	-002.06	259.77
144555	055261.76	001.99	261.76
144600	055261.98	000.22	261.98
144605	055261.91	-000.07	261.91
144610	055262.02	000.11	262.02
144615	055262.03	000.01	262.03
144620	055261.99	-000.04	261.99
144625	055262.03	000.04	262.03
144630	055261.93	-000.10	261.93
144635	055261.90	-000.03	261.90
144640	055261.86	-000.04	261.86
144645	055261.92	000.06	261.92
144650	055261.94	000.02	261.94
144655	055261.90	-000.04	261.90
144700	055261.96	000.06	261.96
144705	055261.91	-000.05	261.91
144710	055261.89	-000.02	261.89
144715	055261.94	000.05	261.94
144720	055261.96	000.02	261.96
144725	055261.97	000.01	261.97
144730	055261.90	-000.07	261.90
144735	055261.92	000.02	261.92
144740	055261.90	-000.02	261.90
144745	055261.94	000.04	261.94
144750	055261.84	-000.10	261.84
144755	055261.83	-000.01	261.83
144800	055261.84	000.01	261.84
144805	055261.79	-000.05	261.79
144810	055261.66	-000.13	261.66
144815	055260.70	-000.96	260.70
144820	055261.62	000.92	261.62

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
144825	055261.66	000.04	261.66
144830	055261.75	000.09	261.75
144835	055261.63	-000.12	261.63
144840	055261.63	000.00	261.63
144845	055261.53	-000.10	261.53
144850	055261.56	000.03	261.56
144855	055260.47	-001.09	260.47
144900	055261.66	001.19	261.66
144905	055261.54	-000.12	261.54
144910	055261.54	000.00	261.54
144915	055261.58	000.04	261.58
144920	055261.39	-000.19	261.39
144925	055260.91	-000.48	260.91
144930	055261.60	000.69	261.60
144935	055261.53	-000.07	261.53
144940	055261.46	-000.07	261.46
144945	055261.48	000.02	261.48
144950	055261.40	-000.08	261.40
144955	055261.28	-000.12	261.28
145000	055261.23	-000.05	261.23
145005	055261.28	000.05	261.28
145010	055261.24	-000.04	261.24
145015	055261.29	000.05	261.29
145020	055261.23	-000.06	261.23
145025	055261.23	000.00	261.23
145030	055261.12	-000.11	261.12
145035	055261.16	000.04	261.16
145040	055261.11	-000.05	261.11
145045	055261.05	-000.06	261.05
145050	055261.01	-000.04	261.01
145055	055260.92	-000.09	260.92
145100	055260.99	000.07	260.99
145105	055260.85	-000.14	260.85
145110	055260.96	000.11	260.96
145115	055260.92	-000.04	260.92
145120	055260.77	-000.15	260.77
145125	055260.95	000.18	260.95
145130	055260.82	-000.13	260.82
145135	055260.73	-000.09	260.73
145140	055260.69	-000.04	260.69
145145	055260.67	-000.02	260.67
145150	055260.64	-000.03	260.64
145155	055260.88	000.24	260.88
145200	055260.86	-000.02	260.86
145205	055260.27	-000.59	260.27
145210	055259.99	-000.28	259.99
145215	055260.15	000.16	260.15
145220	055260.68	000.53	260.68
145225	055260.75	000.07	260.75
145230	055260.71	-000.04	260.71
145235	055260.48	-000.23	260.48
145240	055258.62	-001.86	258.62
145245	055260.52	001.90	260.52
145250	055260.72	000.20	260.72

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
145255	055260.79	000.07	260.79
145300	055260.79	000.00	260.79
145305	055260.91	000.12	260.91
145310	055261.05	000.14	261.05
145315	055261.08	000.03	261.08
145320	055260.86	-000.22	260.86
145325	055260.93	000.07	260.93
145330	055260.89	-000.04	260.89
145335	055260.81	-000.08	260.81
145340	055260.92	000.11	260.92
145345	055260.89	-000.03	260.89
145350	055260.89	000.00	260.89
145355	055260.86	-000.03	260.86
145400	055260.97	000.11	260.97
145405	055260.87	-000.10	260.87
145410	055260.78	-000.09	260.78
145415	055260.87	000.09	260.87
145420	055260.93	000.06	260.93
145425	055260.89	-000.04	260.89
145430	055260.98	000.09	260.98
145435	055261.01	000.03	261.01
145440	055260.96	-000.05	260.96
145445	055260.83	-000.13	260.83
145450	055260.41	-000.42	260.41
145455	055251.31	-009.10	251.31
145500	055260.72	009.41	260.72
145505	055261.01	000.29	261.01
145510	055260.97	-000.04	260.97
145515	055260.94	-000.03	260.94
145520	055260.95	000.01	260.95
145525	055260.99	000.04	260.99
145530	055260.92	-000.07	260.92
145535	055260.92	000.00	260.92
145540	055260.99	000.07	260.99
145545	055260.95	-000.04	260.95
145550	055261.03	000.08	261.03
145555	055260.98	-000.05	260.98
145600	055261.07	000.09	261.07
145605	055261.15	000.08	261.15
145610	055261.28	000.13	261.28
145615	055261.29	000.01	261.29
145620	055261.15	-000.14	261.15
145625	055261.14	-000.01	261.14
145630	055261.18	000.04	261.18
145635	055261.11	-000.07	261.11
145640	055260.88	-000.23	260.88
145645	055260.45	-000.43	260.45
145650	055261.06	000.61	261.06
145655	055261.12	000.06	261.12
145700	055261.11	-000.01	261.11
145705	055260.95	-000.16	260.95
145710	055261.09	000.14	261.09
145715	055260.96	-000.13	260.96
145720	055259.50	-001.46	259.50

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
145725	055259.61	000.11	259.61
145730	055260.04	000.43	260.04
145735	055260.88	000.84	260.88
145740	055261.07	000.19	261.07
145745	055261.19	000.12	261.19
145750	055261.28	000.09	261.28
145755	055261.30	000.02	261.30
145800	055261.17	-000.13	261.17
145805	055261.17	000.00	261.17
145810	055261.23	000.06	261.23
145815	055261.32	000.09	261.32
145820	055261.25	-000.07	261.25
145825	055261.30	000.05	261.30
145830	055261.36	000.06	261.36
145835	055261.35	-000.01	261.35
145840	055261.29	-000.06	261.29
145845	055260.84	-000.45	260.84
145850	055261.07	000.23	261.07
145855	055261.30	000.23	261.30
145900	055261.32	000.02	261.32
145905	055261.35	000.03	261.35
145910	055261.37	000.02	261.37
145915	055261.40	000.03	261.40
145920	055261.42	000.02	261.42
145925	055261.43	000.01	261.43
145930	055261.39	-000.04	261.39
145935	055261.43	000.04	261.43
145940	055261.42	-000.01	261.42
145945	055261.32	-000.10	261.32
145950	055261.37	000.05	261.37
145955	055261.31	-000.06	261.31
150000	055261.34	000.03	261.34
150005	055261.37	000.03	261.37
150010	055261.33	-000.04	261.33
150015	055261.31	-000.02	261.31
150020	055261.47	000.16	261.47
150025	055261.47	000.00	261.47
150030	055261.47	000.00	261.47
150035	055261.47	000.00	261.47
150040	055261.47	000.00	261.47
150045	055261.38	-000.09	261.38
150050	055261.22	-000.16	261.22
150055	055260.66	-000.56	260.66
150100	055261.44	000.78	261.44
150105	055261.47	000.03	261.47
150110	055261.44	-000.03	261.44
150115	055261.41	-000.03	261.41
150120	055261.29	-000.12	261.29
150125	055260.92	-000.37	260.92
150130	055259.32	-001.60	259.32
150135	055257.49	-001.83	257.49
150140	055260.83	003.34	260.83
150145	055261.34	000.51	261.34
150150	055261.43	000.09	261.43

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
150155	055261.53	000.10	261.53
150200	055261.56	000.03	261.56
150205	055261.41	-000.15	261.41
150210	055261.29	-000.12	261.29
150215	055259.92	-001.37	259.92
150220	055258.08	-001.84	258.08
150225	055260.48	002.40	260.48
150230	055261.23	000.75	261.23
150235	055260.43	-000.80	260.43
150240	055258.04	-002.39	258.04
150245	055260.80	002.76	260.80
150250	055261.30	000.50	261.30
150255	055260.78	-000.52	260.78
150300	055260.68	-000.10	260.68
150305	055261.57	000.89	261.57
150310	055261.73	000.16	261.73
150315	055261.70	-000.03	261.70
150320	055261.63	-000.07	261.63
150325	055261.09	-000.54	261.09
150330	055261.74	000.65	261.74
150335	055261.81	000.07	261.81
150340	055261.74	-000.07	261.74
150345	055261.91	000.17	261.91
150350	055261.78	-000.13	261.78
150355	055261.94	000.16	261.94
150400	055261.93	-000.01	261.93
150405	055262.04	000.11	262.04
150410	055262.12	000.08	262.12
150415	055262.07	-000.05	262.07
150420	055262.14	000.07	262.14
150425	055261.95	-000.19	261.95
150430	055261.99	000.04	261.99
150435	055262.05	000.06	262.05
150440	055262.07	000.02	262.07
150445	055262.04	-000.03	262.04
150450	055262.07	000.03	262.07
150455	055262.00	-000.07	262.00
150500	055261.95	-000.05	261.95
150505	055262.02	000.07	262.02
150510	055261.89	-000.13	261.89
150515	055262.07	000.18	262.07
150520	055262.07	000.00	262.07
150525	055262.00	-000.07	262.00
150530	055261.92	-000.08	261.92
150535	055262.03	000.11	262.03
150540	055261.98	-000.05	261.98
150545	055262.02	000.04	262.02
150550	055262.00	-000.02	262.00
150555	055261.99	-000.01	261.99
150600	055261.98	-000.01	261.98
150605	055262.02	000.04	262.02
150610	055262.02	000.00	262.02
150615	055262.06	000.04	262.06
150620	055261.92	-000.14	261.92

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
150625	055261.23	-000.69	261.23
150630	055261.93	000.70	261.93
150635	055261.39	-000.54	261.39
150640	055254.33	-007.06	254.33
150645	055261.97	007.64	261.97
150650	055261.98	000.01	261.98
150655	055262.12	000.14	262.12
150700	055262.07	-000.05	262.07
150705	055262.10	000.03	262.10
150710	055262.08	-000.02	262.08
150715	055261.49	-000.59	261.49
150720	055259.53	-001.96	259.53
150725	055261.69	002.16	261.69
150730	055261.92	000.23	261.92
150735	055262.03	000.11	262.03
150740	055262.06	000.03	262.06
150745	055262.03	-000.03	262.03
150750	055262.09	000.06	262.09
150755	055261.99	-000.10	261.99
150800	055262.20	000.21	262.20
150805	055262.16	-000.04	262.16
150810	055262.09	-000.07	262.09
150815	055261.98	-000.11	261.98
150820	055262.09	000.11	262.09
150825	055262.15	000.06	262.15
150830	055262.03	-000.12	262.03
150835	055262.13	000.10	262.13
150840	055262.21	000.08	262.21
150845	055262.08	-000.13	262.08
150850	055262.00	-000.08	262.00
150855	055261.75	-000.25	261.75
150900	055260.54	-001.21	260.54
150905	055258.47	-002.07	258.47
150910	055261.48	003.01	261.48
150915	055262.00	000.52	262.00
150920	055260.06	-001.94	260.06
150925	055261.35	001.29	261.35
150930	055262.03	000.68	262.03
150935	055262.13	000.10	262.13
150940	055262.16	000.03	262.16
150945	055262.00	-000.16	262.00
150950	055262.13	000.13	262.13
150955	055262.23	000.10	262.23
151000	055262.22	-000.01	262.22
151005	055262.19	-000.03	262.19
151010	055262.22	000.03	262.22
151015	055262.26	000.04	262.26
151020	055262.19	-000.07	262.19
151025	055262.19	000.00	262.19
151030	055262.15	-000.04	262.15
151035	055262.21	000.06	262.21
151040	055262.25	000.04	262.25
151045	055262.32	000.07	262.32
151050	055262.36	000.04	262.36

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
151055	055262.41	000.05	262.41
151100	055262.33	-000.08	262.33
151105	055262.38	000.05	262.38
151110	055262.35	-000.03	262.35
151115	055262.50	000.15	262.50
151120	055262.45	-000.05	262.45
151125	055262.49	000.04	262.49
151130	055262.45	-000.04	262.45
151135	055262.49	000.04	262.49
151140	055262.45	-000.04	262.45
151145	055262.45	000.00	262.45
151150	055262.45	000.00	262.45
151155	055262.42	-000.03	262.42
151200	055262.44	000.02	262.44
151205	055262.47	000.03	262.47
151210	055262.46	-000.01	262.46
151215	055262.50	000.04	262.50
151220	055262.54	000.04	262.54
151225	055262.55	000.01	262.55
151230	055262.51	-000.04	262.51
151235	055262.56	000.05	262.56
151240	055262.52	-000.04	262.52
151245	055262.59	000.07	262.59
151250	055262.60	000.01	262.60
151255	055262.59	-000.01	262.59
151300	055262.56	-000.03	262.56
151305	055262.60	000.04	262.60
151310	055262.66	000.06	262.66
151315	055262.67	000.01	262.67
151320	055262.73	000.06	262.73
151325	055262.70	-000.03	262.70
151330	055262.69	-000.01	262.69
151335	055262.63	-000.06	262.63
151340	055262.60	-000.03	262.60
151345	055262.62	000.02	262.62
151350	055262.73	000.11	262.73
151355	055262.84	000.11	262.84
151400	055262.91	000.07	262.91
151405	055262.95	000.04	262.95
151410	055262.96	000.01	262.96
151415	055262.83	-000.13	262.83
151420	055262.72	-000.11	262.72
151425	055262.84	000.12	262.84
151430	055262.83	-000.01	262.83
151435	055262.85	000.02	262.85
151440	055262.92	000.07	262.92
151445	055263.00	000.08	263.00
151450	055262.94	-000.06	262.94
151455	055257.16	-005.78	257.16
151500	055262.51	005.35	262.51
151505	055263.05	000.54	263.05
151510	055263.16	000.11	263.16
151515	055263.06	-000.10	263.06
151520	055262.86	-000.20	262.86

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
151525	055262.99	000.13	262.99
151530	055263.20	000.21	263.20
151535	055262.72	-000.48	262.72
151540	055263.04	000.32	263.04
151545	055263.18	000.14	263.18
151550	055263.26	000.08	263.26
151555	055263.30	000.04	263.30
151600	055263.38	000.08	263.38
151605	055263.41	000.03	263.41
151610	055263.44	000.03	263.44
151615	055263.36	-000.08	263.36
151620	055263.31	-000.05	263.31
151625	055263.31	000.00	263.31
151630	055263.34	000.03	263.34
151635	055263.35	000.01	263.35
151640	055263.37	000.02	263.37
151645	055263.28	-000.09	263.28
151650	055263.30	000.02	263.30
151655	055263.43	000.13	263.43
151700	055263.40	-000.03	263.40
151705	055263.47	000.07	263.47
151710	055263.16	-000.31	263.16
151715	055263.41	000.25	263.41
151720	055263.36	-000.05	263.36
151725	055263.35	-000.01	263.35
151730	055263.17	-000.18	263.17
151735	055262.72	-000.45	262.72
151740	055260.77	-001.95	260.77
151745	055260.24	-000.53	260.24
151750	055262.64	002.40	262.64
151755	055263.31	000.67	263.31
151800	055262.91	-000.40	262.91
151805	055263.01	000.10	263.01
151810	055263.45	000.44	263.45
151815	055263.56	000.11	263.56
151820	055263.65	000.09	263.65
151825	055263.68	000.03	263.68
151830	055263.63	-000.05	263.63
151835	055263.49	-000.14	263.49
151840	055263.65	000.16	263.65
151845	055263.66	000.01	263.66
151850	055263.73	000.07	263.73
151855	055263.60	-000.13	263.60
151900	055263.70	000.10	263.70
151905	055263.71	000.01	263.71
151910	055263.89	000.18	263.89
151915	055263.73	-000.16	263.73
151920	055263.62	-000.11	263.62
151925	055263.82	000.20	263.82
151930	055263.89	000.07	263.89
151935	055263.84	-000.05	263.84
151940	055263.91	000.07	263.91
151945	055263.77	-000.14	263.77
151950	055263.78	000.01	263.78

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
151955	055263.75	-000.03	263.75
152000	055263.95	000.20	263.95
152005	055263.88	-000.07	263.88
152010	055263.68	-000.20	263.68
152015	055255.26	-008.42	255.26
152020	055263.78	008.52	263.78
152025	055263.90	000.12	263.90
152030	055263.98	000.08	263.98
152035	055263.97	-000.01	263.97
152040	055264.00	000.03	264.00
152045	055264.00	000.00	264.00
152050	055264.00	000.00	264.00
152055	055264.04	000.04	264.04
152100	055263.98	-000.06	263.98
152105	055264.00	000.02	264.00
152110	055263.97	-000.03	263.97
152115	055263.99	000.02	263.99
152120	055263.98	-000.01	263.98
152125	055263.99	000.01	263.99
152130	055264.15	000.16	264.15
152135	055264.14	-000.01	264.14
152140	055264.18	000.04	264.18
152145	055264.17	-000.01	264.17
152150	055264.19	000.02	264.19
152155	055264.28	000.09	264.28
152200	055264.30	000.02	264.30
152205	055264.31	000.01	264.31
152210	055264.35	000.04	264.35
152215	055264.36	000.01	264.36
152220	055264.40	000.04	264.40
152225	055264.29	-000.11	264.29
152230	055264.13	-000.16	264.13
152235	055262.53	-001.60	262.53
152240	055262.51	-000.02	262.51
152245	055264.39	001.88	264.39
152250	055264.54	000.15	264.54
152255	055264.52	-000.02	264.52
152300	055264.63	000.11	264.63
152305	055264.62	-000.01	264.62
152310	055264.64	000.02	264.64
152315	055264.65	000.01	264.65
152320	055264.66	000.01	264.66
152325	055264.61	-000.05	264.61
152330	055264.63	000.02	264.63
152335	055264.63	000.00	264.63
152340	055264.51	-000.12	264.51
152345	055264.57	000.06	264.57
152350	055264.67	000.10	264.67
152355	055264.68	000.01	264.68
152400	055264.77	000.09	264.77
152405	055264.74	-000.03	264.74
152410	055264.66	-000.08	264.66
152415	055264.38	-000.28	264.38
152420	055264.09	-000.29	264.09

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
152425	055264.69	000.60	264.69
152430	055264.85	000.16	264.85
152435	055264.84	-000.01	264.84
152440	055264.68	-000.16	264.68
152445	055264.80	000.12	264.80
152450	055264.73	-000.07	264.73
152455	055264.74	000.01	264.74
152500	055264.71	-000.03	264.71
152505	055264.73	000.02	264.73
152510	055264.68	-000.05	264.68
152515	055264.50	-000.18	264.50
152520	055263.87	-000.63	263.87
152525	055264.81	000.94	264.81
152530	055264.93	000.12	264.93
152535	055264.92	-000.01	264.92
152540	055264.91	-000.01	264.91
152545	055264.94	000.03	264.94
152550	055264.91	-000.03	264.91
152555	055264.87	-000.04	264.87
152600	055264.40	-000.47	264.40
152605	055264.92	000.52	264.92
152610	055264.87	-000.05	264.87
152615	055264.95	000.08	264.95
152620	055264.88	-000.07	264.88
152625	055264.97	000.09	264.97
152630	055264.89	-000.08	264.89
152635	055264.87	-000.02	264.87
152640	055264.76	-000.11	264.76
152645	055264.75	-000.01	264.75
152650	055264.75	000.00	264.75
152655	055264.71	-000.04	264.71
152700	055264.71	000.00	264.71
152705	055264.67	-000.04	264.67
152710	055264.60	-000.07	264.60
152715	055264.50	-000.10	264.50
152720	055264.56	000.06	264.56
152725	055264.50	-000.06	264.50
152730	055264.51	000.01	264.51
152735	055264.62	000.11	264.62
152740	055264.48	-000.14	264.48
152745	055264.54	000.06	264.54
152750	055264.56	000.02	264.56
152755	055264.49	-000.07	264.49
152800	055264.39	-000.10	264.39
152805	055264.33	-000.06	264.33
152810	055264.37	000.04	264.37
152815	055264.33	-000.04	264.33
152820	055264.34	000.01	264.34
152825	055264.16	-000.18	264.16
152830	055263.68	-000.48	263.68
152835	055261.48	-002.20	261.48
152840	055263.66	002.18	263.66
152845	055264.01	000.35	264.01
152850	055263.99	-000.02	263.99

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
152855	055264.08	000.09	264.08
152900	055264.02	-000.06	264.02
152905	055263.94	-000.08	263.94
152910	055263.90	-000.04	263.90
152915	055264.05	000.15	264.05
152920	055264.12	000.07	264.12
152925	055264.30	000.18	264.30
152930	055264.27	-000.03	264.27
152935	055264.21	-000.06	264.21
152940	055264.23	000.02	264.23
152945	055264.24	000.01	264.24
152950	055264.19	-000.05	264.19
152955	055264.25	000.06	264.25
153000	055264.27	000.02	264.27
153005	055264.33	000.06	264.33
153010	055264.26	-000.07	264.26
153015	055264.04	-000.22	264.04
153020	055260.34	-003.70	260.34
153025	055262.10	001.76	262.10
153030	055263.95	001.85	263.95
153035	055264.15	000.20	264.15
153040	055264.33	000.18	264.33
153045	055264.30	-000.03	264.30
153050	055264.35	000.05	264.35
153055	055264.31	-000.04	264.31
153100	055264.35	000.04	264.35
153105	055264.49	000.14	264.49
153110	055264.51	000.02	264.51
153115	055264.36	-000.15	264.36
153120	055264.34	-000.02	264.34
153125	055264.32	-000.02	264.32
153130	055264.30	-000.02	264.30
153135	055264.36	000.06	264.36
153140	055264.19	-000.17	264.19
153145	055264.43	000.24	264.43
153150	055264.50	000.07	264.50
153155	055264.53	000.03	264.53
153200	055264.58	000.05	264.58
153205	055264.56	-000.02	264.56
153210	055264.37	-000.19	264.37
153215	055264.62	000.25	264.62
153220	055264.53	-000.09	264.53
153225	055264.52	-000.01	264.52
153230	055263.26	-001.26	263.26
153235	055264.47	001.21	264.47
153240	055264.74	000.27	264.74
153245	055264.67	-000.07	264.67
153250	055262.85	-001.82	262.85
153255	055264.75	001.90	264.75
153300	055264.73	-000.02	264.73
153305	055264.91	000.18	264.91
153310	055264.98	000.07	264.98
153315	055264.93	-000.05	264.93
153320	055265.08	000.15	265.08

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
153325	055265.06	-000.02	265.06
153330	055265.20	000.14	265.20
153335	055265.21	000.01	265.21
153340	055265.17	-000.04	265.17
153345	055265.08	-000.09	265.08
153350	055265.23	000.15	265.23
153355	055264.54	-000.69	264.54
153400	055261.47	-003.07	261.47
153405	055263.46	001.99	263.46
153410	055265.49	002.03	265.49
153415	055265.64	000.15	265.64
153420	055265.79	000.15	265.79
153425	055265.87	000.08	265.87
153430	055265.81	-000.06	265.81
153435	055265.52	-000.29	265.52
153440	055265.87	000.35	265.87
153445	055265.98	000.11	265.98
153450	055265.45	-000.53	265.45
153455	055265.84	000.39	265.84
153500	055266.11	000.27	266.11
153505	055266.35	000.24	266.35
153510	055266.34	-000.01	266.34
153515	055266.52	000.18	266.52
153520	055266.46	-000.06	266.46
153525	055266.73	000.27	266.73
153530	055266.81	000.08	266.81
153535	055266.92	000.11	266.92
153540	055266.89	-000.03	266.89
153545	055266.96	000.07	266.96
153550	055266.82	-000.14	266.82
153555	055266.94	000.12	266.94
153600	055266.96	000.02	266.96
153605	055266.91	-000.05	266.91
153610	055266.98	000.07	266.98
153615	055267.17	000.19	267.17
153620	055267.20	000.03	267.20
153625	055267.30	000.10	267.30
153630	055267.42	000.12	267.42
153635	055267.42	000.00	267.42
153640	055265.46	-001.96	265.46
153645	055267.52	002.06	267.52
153650	055267.68	000.16	267.68
153655	055267.72	000.04	267.72
153700	055267.65	-000.07	267.65
153705	055267.48	-000.17	267.48
153710	055266.69	-000.79	266.69
153715	055267.58	000.89	267.58
153720	055267.77	000.19	267.77
153725	055267.85	000.08	267.85
153730	055267.96	000.11	267.96
153735	055268.16	000.20	268.16
153740	055268.09	-000.07	268.09
153745	055268.14	000.05	268.14
153750	055268.15	000.01	268.15

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
153755	055268.24	000.09	268.24
153800	055268.31	000.07	268.31
153805	055268.27	-000.04	268.27
153810	055268.30	000.03	268.30
153815	055268.48	000.18	268.48
153820	055268.64	000.16	268.64
153825	055268.72	000.08	268.72
153830	055268.72	000.00	268.72
153835	055268.72	000.00	268.72
153840	055268.73	000.01	268.73
153845	055268.67	-000.06	268.67
153850	055268.69	000.02	268.69
153855	055268.52	-000.17	268.52
153900	055268.65	000.13	268.65
153905	055268.70	000.05	268.70
153910	055268.80	000.10	268.80
153915	055268.77	-000.03	268.77
153920	055268.85	000.08	268.85
153925	055268.88	000.03	268.88
153930	055268.50	-000.38	268.50
153935	055266.07	-002.43	266.07
153940	055267.28	001.21	267.28
153945	055268.60	001.32	268.60
153950	055268.22	-000.38	268.22
153955	055266.15	-002.07	266.15
154000	055266.91	000.76	266.91
154005	055268.88	001.97	268.88
154010	055269.07	000.19	269.07
154015	055269.06	-000.01	269.06
154020	055269.08	000.02	269.08
154025	055269.03	-000.05	269.03
154030	055269.09	000.06	269.09
154035	055269.22	000.13	269.22
154040	055269.37	000.15	269.37
154045	055269.45	000.08	269.45
154050	055269.51	000.06	269.51
154055	055269.37	-000.14	269.37
154100	055269.37	000.00	269.37
154105	055269.33	-000.04	269.33
154110	055269.26	-000.07	269.26
154115	055269.42	000.16	269.42
154120	055269.16	-000.26	269.16
154125	055269.44	000.28	269.44
154130	055269.07	-000.37	269.07
154135	055269.83	000.76	269.83
154140	055269.96	000.13	269.96
154145	055269.95	-000.01	269.95
154150	055269.93	-000.02	269.93
154155	055269.70	-000.23	269.70
154200	055269.75	000.05	269.75
154205	055269.67	-000.08	269.67
154210	055269.64	-000.03	269.64
154215	055269.76	000.12	269.76
154220	055269.83	000.07	269.83

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
154225	055268.14	-001.69	268.14
154230	055269.96	001.82	269.96
154235	055270.28	000.32	270.28
154240	055270.26	-000.02	270.26
154245	055270.05	-000.21	270.05
154250	055269.81	-000.24	269.81
154255	055269.78	-000.03	269.78
154300	055269.77	-000.01	269.77
154305	055269.95	000.18	269.95
154310	055270.13	000.18	270.13
154315	055270.19	000.06	270.19
154320	055269.74	-000.45	269.74
154325	055270.15	000.41	270.15
154330	055270.51	000.36	270.51
154335	055270.51	000.00	270.51
154340	055270.46	-000.05	270.46
154345	055270.41	-000.05	270.41
154350	055270.52	000.11	270.52
154355	055270.75	000.23	270.75
154400	055270.85	000.10	270.85
154405	055270.81	-000.04	270.81
154410	055270.81	000.00	270.81
154415	055270.77	-000.04	270.77
154420	055270.83	000.06	270.83
154425	055270.85	000.02	270.85
154430	055270.92	000.07	270.92
154435	055271.00	000.08	271.00
154440	055271.01	000.01	271.01
154445	055271.11	000.10	271.11
154450	055271.19	000.08	271.19
154455	055271.33	000.14	271.33
154500	055271.36	000.03	271.36
154505	055271.38	000.02	271.38
154510	055271.37	-000.01	271.37
154515	055271.41	000.04	271.41
154520	055271.38	-000.03	271.38
154525	055271.29	-000.09	271.29
154530	055271.38	000.09	271.38
154535	055271.43	000.05	271.43
154540	055271.54	000.11	271.54
154545	055271.50	-000.04	271.50
154550	055271.52	000.02	271.52
154555	055271.42	-000.10	271.42
154600	055270.87	-000.55	270.87
154605	055271.40	000.53	271.40
154610	055271.58	000.18	271.58
154615	055271.63	000.05	271.63
154620	055271.67	000.04	271.67
154625	055271.78	000.11	271.78
154630	055271.77	-000.01	271.77
154635	055271.74	-000.03	271.74
154640	055271.77	000.03	271.77
154645	055271.70	-000.07	271.70
154650	055271.75	000.05	271.75

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
154655	055271.76	000.01	271.76
154700	055271.80	000.04	271.80
154705	055271.75	-000.05	271.75
154710	055271.79	000.04	271.79
154715	055271.71	-000.08	271.71
154720	055271.69	-000.02	271.69
154725	055271.57	-000.12	271.57
154730	055271.26	-000.31	271.26
154735	055271.80	000.54	271.80
154740	055271.89	000.09	271.89
154745	055271.91	000.02	271.91
154750	055271.96	000.05	271.96
154755	055271.93	-000.03	271.93
154800	055271.89	-000.04	271.89
154805	055271.92	000.03	271.92
154810	055271.98	000.06	271.98
154815	055272.00	000.02	272.00
154820	055272.01	000.01	272.01
154825	055272.09	000.08	272.09
154830	055272.03	-000.06	272.03
154835	055271.93	-000.10	271.93
154840	055272.14	000.21	272.14
154845	055272.13	-000.01	272.13
154850	055272.04	-000.09	272.04
154855	055271.15	-000.89	271.15
154900	055270.32	-000.83	270.32
154905	055272.12	001.80	272.12
154910	055272.11	-000.01	272.11
154915	055272.24	000.13	272.24
154920	055272.25	000.01	272.25
154925	055272.26	000.01	272.26
154930	055272.23	-000.03	272.23
154935	055272.28	000.05	272.28
154940	055272.14	-000.14	272.14
154945	055272.11	-000.03	272.11
154950	055272.23	000.12	272.23
154955	055272.42	000.19	272.42
155000	055272.36	-000.06	272.36
155005	055272.45	000.09	272.45
155010	055272.37	-000.08	272.37
155015	055270.87	-001.50	270.87
155020	055272.33	001.46	272.33
155025	055272.44	000.11	272.44
155030	055272.41	-000.03	272.41
155035	055272.52	000.11	272.52
155040	055272.55	000.03	272.55
155045	055272.44	-000.11	272.44
155050	055272.42	-000.02	272.42
155055	055272.37	-000.05	272.37
155100	055272.49	000.12	272.49
155105	055272.56	000.07	272.56
155110	055272.49	-000.07	272.49
155115	055272.36	-000.13	272.36
155120	055271.30	-001.06	271.30

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
155125	055268.79	-002.51	268.79
155130	055271.82	003.03	271.82
155135	055272.48	000.66	272.48
155140	055272.52	000.04	272.52
155145	055272.69	000.17	272.69
155150	055272.60	-000.09	272.60
155155	055272.44	-000.16	272.44
155200	055272.52	000.08	272.52
155205	055272.41	-000.11	272.41
155210	055272.41	000.00	272.41
155215	055272.59	000.18	272.59
155220	055272.56	-000.03	272.56
155225	055272.55	-000.01	272.55
155230	055272.50	-000.05	272.50
155235	055272.40	-000.10	272.40
155240	055272.62	000.22	272.62
155245	055272.47	-000.15	272.47
155250	055271.78	-000.69	271.78
155255	055272.16	000.38	272.16
155300	055271.72	-000.44	271.72
155305	055272.70	000.98	272.70
155310	055272.82	000.12	272.82
155315	055272.80	-000.02	272.80
155320	055272.64	-000.16	272.64
155325	055272.71	000.07	272.71
155330	055272.75	000.04	272.75
155335	055272.84	000.09	272.84
155340	055272.84	000.00	272.84
155345	055272.76	-000.08	272.76
155350	055272.87	000.11	272.87
155355	055272.97	000.10	272.97
155400	055272.97	000.00	272.97
155405	055273.01	000.04	273.01
155410	055272.97	-000.04	272.97
155415	055273.04	000.07	273.04
155420	055273.06	000.02	273.06
155425	055273.01	-000.05	273.01
155430	055273.14	000.13	273.14
155435	055270.86	-002.28	270.86
155440	055273.01	002.15	273.01
155445	055273.31	000.30	273.31
155450	055273.34	000.03	273.34
155455	055273.37	000.03	273.37
155500	055273.40	000.03	273.40
155505	055273.43	000.03	273.43
155510	055273.54	000.11	273.54
155515	055273.51	-000.03	273.51
155520	055273.46	-000.05	273.46
155525	055273.41	-000.05	273.41
155530	055273.44	000.03	273.44
155535	055273.41	-000.03	273.41
155540	055273.40	-000.01	273.40
155545	055273.32	-000.08	273.32
155550	055272.55	-000.77	272.55

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
155555	055269.25	-003.30	269.25
155600	055270.32	001.07	270.32
155605	055271.33	001.01	271.33
155610	055272.95	001.62	272.95
155615	055273.38	000.43	273.38
155620	055273.57	000.19	273.57
155625	055273.60	000.03	273.60
155630	055273.78	000.18	273.78
155635	055273.65	-000.13	273.65
155640	055273.47	-000.18	273.47
155645	055271.20	-002.27	271.20
155650	055273.75	002.55	273.75
155655	055273.77	000.02	273.77
155700	055273.87	000.10	273.87
155705	055273.90	000.03	273.90
155710	055273.91	000.01	273.91
155715	055273.82	-000.09	273.82
155720	055273.88	000.06	273.88
155725	055273.76	-000.12	273.76
155730	055273.81	000.05	273.81
155735	055273.95	000.14	273.95
155740	055273.84	-000.11	273.84
155745	055273.90	000.06	273.90
155750	055273.86	-000.04	273.86
155755	055273.92	000.06	273.92
155800	055273.78	-000.14	273.78
155805	055272.84	-000.94	272.84
155810	055273.76	000.92	273.76
155815	055273.84	000.08	273.84
155820	055273.82	-000.02	273.82
155825	055273.72	-000.10	273.72
155830	055273.63	-000.09	273.63
155835	055272.38	-001.25	272.38
155840	055271.97	-000.41	271.97
155845	055273.17	001.20	273.17
155850	055271.55	-001.62	271.55
155855	055271.28	-000.27	271.28
155900	055272.71	001.43	272.71
155905	055273.63	000.92	273.63
155910	055273.67	000.04	273.67
155915	055273.62	-000.05	273.62
155920	055273.63	000.01	273.63
155925	055273.70	000.07	273.70
155930	055273.73	000.03	273.73
155935	055273.67	-000.06	273.67
155940	055273.63	-000.04	273.63
155945	055273.64	000.01	273.64
155950	055273.59	-000.05	273.59
155955	055273.61	000.02	273.61
160000	055273.32	-000.29	273.32
160005	055271.62	-001.70	271.62
160010	055273.27	001.65	273.27
160015	055273.45	000.18	273.45
160020	055273.69	000.24	273.69

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
160025	055273.72	000.03	273.72
160030	055273.69	-000.03	273.69
160035	055273.74	000.05	273.74
160040	055273.70	-000.04	273.70
160045	055272.78	-000.92	272.78
160050	055273.64	000.86	273.64
160055	055273.68	000.04	273.68
160100	055273.71	000.03	273.71
160105	055273.71	000.00	273.71
160110	055273.75	000.04	273.75
160115	055273.77	000.02	273.77
160120	055273.81	000.04	273.81
160125	055273.80	-000.01	273.80
160130	055273.77	-000.03	273.77
160135	055273.76	-000.01	273.76
160140	055273.80	000.04	273.80
160145	055273.72	-000.08	273.72
160150	055273.68	-000.04	273.68
160155	055273.73	000.05	273.73
160200	055273.73	000.00	273.73
160205	055273.84	000.11	273.84
160210	055273.77	-000.07	273.77
160215	055273.86	000.09	273.86
160220	055273.77	-000.09	273.77
160225	055273.68	-000.09	273.68
160230	055273.79	000.11	273.79
160235	055273.79	000.00	273.79
160240	055273.77	-000.02	273.77
160245	055273.86	000.09	273.86
160250	055273.87	000.01	273.87
160255	055273.96	000.09	273.96
160300	055273.94	-000.02	273.94
160305	055273.86	-000.08	273.86
160310	055273.63	-000.23	273.63
160315	055273.64	000.01	273.64
160320	055273.81	000.17	273.81
160325	055273.79	-000.02	273.79
160330	055273.92	000.13	273.92
160335	055273.95	000.03	273.95
160340	055273.89	-000.06	273.89
160345	055273.98	000.09	273.98
160350	055274.03	000.05	274.03
160355	055273.48	-000.55	273.48
160400	055272.72	-000.76	272.72
160405	055273.89	001.17	273.89
160410	055273.83	-000.06	273.83
160415	055273.90	000.07	273.90
160420	055273.97	000.07	273.97
160425	055273.83	-000.14	273.83
160430	055273.83	000.00	273.83
160435	055273.98	000.15	273.98
160440	055273.88	-000.10	273.88
160445	055273.86	-000.02	273.86
160450	055273.96	000.10	273.96

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
160455	055273.97	000.01	273.97
160500	055273.94	-000.03	273.94
160505	055273.89	-000.05	273.89
160510	055273.93	000.04	273.93
160515	055272.14	-001.79	272.14
160520	055273.96	001.82	273.96
160525	055273.98	000.02	273.98
160530	055274.03	000.05	274.03
160535	055273.95	-000.08	273.95
160540	055273.82	-000.13	273.82
160545	055273.77	-000.05	273.77
160550	055274.12	000.35	274.12
160555	055274.07	-000.05	274.07
160600	055274.14	000.07	274.14
160605	055274.16	000.02	274.16
160610	055274.21	000.05	274.21
160615	055274.17	-000.04	274.17
160620	055274.00	-000.17	274.00
160625	055274.08	000.08	274.08
160630	055273.50	-000.58	273.50
160635	055274.16	000.66	274.16
160640	055274.24	000.08	274.24
160645	055274.26	000.02	274.26
160650	055274.21	-000.05	274.21
160655	055274.41	000.20	274.41
160700	055274.36	-000.05	274.36
160705	055274.63	000.27	274.63
160710	055274.44	-000.19	274.44
160715	055274.52	000.08	274.52
160720	055274.47	-000.05	274.47
160725	055274.49	000.02	274.49
160730	055274.37	-000.12	274.37
160735	055274.36	-000.01	274.36
160740	055274.49	000.13	274.49
160745	055274.65	000.16	274.65
160750	055274.53	-000.12	274.53
160755	055274.48	-000.05	274.48
160800	055274.59	000.11	274.59
160805	055274.67	000.08	274.67
160810	055274.59	-000.08	274.59
160815	055274.62	000.03	274.62
160820	055274.51	-000.11	274.51
160825	055274.65	000.14	274.65
160830	055274.61	-000.04	274.61
160835	055274.46	-000.15	274.46
160840	055274.69	000.23	274.69
160845	055273.89	-000.80	273.89
160850	055274.65	000.76	274.65
160855	055274.67	000.02	274.67
160900	055274.67	000.00	274.67
160905	055274.75	000.08	274.75
160910	055274.57	-000.18	274.57
160915	055274.57	000.00	274.57
160920	055274.66	000.09	274.66

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
160925	055274.78	000.12	274.78
160930	055274.71	-000.07	274.71
160935	055274.67	-000.04	274.67
160940	055274.65	-000.02	274.65
160945	055274.58	-000.07	274.58
160950	055273.52	-001.06	273.52
160955	055274.66	001.14	274.66
161000	055274.90	000.24	274.90
161005	055274.74	-000.16	274.74
161010	055274.78	000.04	274.78
161015	055274.32	-000.46	274.32
161020	055274.87	000.55	274.87
161025	055274.70	-000.17	274.70
161030	055274.45	-000.25	274.45
161035	055274.40	-000.05	274.40
161040	055274.70	000.30	274.70
161045	055274.71	000.01	274.71
161050	055274.86	000.15	274.86
161055	055274.74	-000.12	274.74
161100	055274.78	000.04	274.78
161105	055274.80	000.02	274.80
161110	055274.77	-000.03	274.77
161115	055274.78	000.01	274.78
161120	055274.69	-000.09	274.69
161125	055274.73	000.04	274.73
161130	055274.68	-000.05	274.68
161135	055274.73	000.05	274.73
161140	055274.82	000.09	274.82
161145	055274.89	000.07	274.89
161150	055274.91	000.02	274.91
161155	055274.76	-000.15	274.76
161200	055274.69	-000.07	274.69
161205	055269.71	-004.98	269.71
161210	055274.15	004.44	274.15
161215	055274.64	000.49	274.64
161220	055274.68	000.04	274.68
161225	055274.76	000.08	274.76
161230	055274.76	000.00	274.76
161235	055274.76	000.00	274.76
161240	055274.70	-000.06	274.70
161245	055274.76	000.06	274.76
161250	055274.69	-000.07	274.69
161255	055274.76	000.07	274.76
161300	055274.81	000.05	274.81
161305	055273.58	-001.23	273.58
161310	055274.63	001.05	274.63
161315	055274.78	000.15	274.78
161320	055274.78	000.00	274.78
161325	055274.80	000.02	274.80
161330	055274.76	-000.04	274.76
161335	055274.68	-000.08	274.68
161340	055274.75	000.07	274.75
161345	055274.82	000.07	274.82
161350	055274.89	000.07	274.89

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
161355	055274.91	000.02	274.91
161400	055274.82	-000.09	274.82
161405	055274.64	-000.18	274.64
161410	055274.69	000.05	274.69
161415	055274.78	000.09	274.78
161420	055274.41	-000.37	274.41
161425	055274.57	000.16	274.57
161430	055274.55	-000.02	274.55
161435	055273.88	-000.67	273.88
161440	055274.45	000.57	274.45
161445	055274.68	000.23	274.68
161450	055274.90	000.22	274.90
161455	055274.84	-000.06	274.84
161500	055274.86	000.02	274.86
161505	055274.82	-000.04	274.82
161510	055274.80	-000.02	274.80
161515	055274.95	000.15	274.95
161520	055275.07	000.12	275.07
161525	055275.18	000.11	275.18
161530	055275.09	-000.09	275.09
161535	055275.09	000.00	275.09
161540	055274.92	-000.17	274.92
161545	055274.94	000.02	274.94
161550	055274.96	000.02	274.96
161555	055274.95	-000.01	274.95
161600	055275.01	000.06	275.01
161605	055274.94	-000.07	274.94
161610	055275.17	000.23	275.17
161615	055275.09	-000.08	275.09
161620	055275.11	000.02	275.11
161625	055275.01	-000.10	275.01
161630	055274.87	-000.14	274.87
161635	055274.95	000.08	274.95
161640	055275.16	000.21	275.16
161645	055275.25	000.09	275.25
161650	055275.24	-000.01	275.24
161655	055275.06	-000.18	275.06
161700	055275.06	000.00	275.06
161705	055274.80	-000.26	274.80
161710	055272.26	-002.54	272.26
161715	055274.22	001.96	274.22
161720	055274.90	000.68	274.90
161725	055275.04	000.14	275.04
161730	055274.93	-000.11	274.93
161735	055274.42	-000.51	274.42
161740	055275.00	000.58	275.00
161745	055275.01	000.01	275.01
161750	055274.93	-000.08	274.93
161755	055274.94	000.01	274.94
161800	055274.93	-000.01	274.93
161805	055274.93	000.00	274.93
161810	055274.93	000.00	274.93
161815	055274.84	-000.09	274.84
161820	055272.01	-002.83	272.01

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
161825	055274.70	002.69	274.70
161830	055274.43	-000.27	274.43
161835	055275.01	000.58	275.01
161840	055274.96	-000.05	274.96
161845	055274.90	-000.06	274.90
161850	055274.89	-000.01	274.89
161855	055274.80	-000.09	274.80
161900	055274.87	000.07	274.87
161905	055274.69	-000.18	274.69
161910	055273.00	-001.69	273.00
161915	055272.82	-000.18	272.82
161920	055274.83	002.01	274.83
161925	055275.04	000.21	275.04
161930	055274.97	-000.07	274.97
161935	055274.71	-000.26	274.71
161940	055274.81	000.10	274.81
161945	055274.87	000.06	274.87
161950	055274.85	-000.02	274.85
161955	055274.96	000.11	274.96
162000	055275.21	000.25	275.21
162005	055275.23	000.02	275.23
162010	055275.32	000.09	275.32
162015	055275.08	-000.24	275.08
162020	055275.05	-000.03	275.05
162025	055275.05	000.00	275.05
162030	055275.01	-000.04	275.01
162035	055275.14	000.13	275.14
162040	055274.98	-000.16	274.98
162045	055275.08	000.10	275.08
162050	055275.31	000.23	275.31
162055	055275.33	000.02	275.33
162100	055274.96	-000.37	274.96
162105	055272.55	-002.41	272.55
162110	055275.11	002.56	275.11
162115	055275.39	000.28	275.39
162120	055274.73	-000.66	274.73
162125	055275.15	000.42	275.15
162130	055274.15	-001.00	274.15
162135	055275.06	000.91	275.06
162140	055274.49	-000.57	274.49
162145	055275.42	000.93	275.42
162150	055275.49	000.07	275.49
162155	055275.42	-000.07	275.42
162200	055275.17	-000.25	275.17
162205	055275.20	000.03	275.20
162210	055275.30	000.10	275.30
162215	055274.64	-000.66	274.64
162220	055270.86	-003.78	270.86
162225	055274.40	003.54	274.40
162230	055273.27	-001.13	273.27
162235	055275.24	001.97	275.24
162240	055275.32	000.08	275.32
162245	055275.21	-000.11	275.21
162250	055274.86	-000.35	274.86

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
162255	055274.24	-000.62	274.24
162300	055275.01	000.77	275.01
162305	055275.23	000.22	275.23
162310	055275.24	000.01	275.24
162315	055274.67	-000.57	274.67
162320	055275.22	000.55	275.22
162325	055275.16	-000.06	275.16
162330	055273.90	-001.26	273.90
162335	055275.00	001.10	275.00
162340	055275.16	000.16	275.16
162345	055275.15	-000.01	275.15
162350	055275.24	000.09	275.24
162355	055275.13	-000.11	275.13
162400	055275.13	000.00	275.13
162405	055275.13	000.00	275.13
162410	055275.27	000.14	275.27
162415	055275.21	-000.06	275.21
162420	055274.81	-000.40	274.81
162425	055275.13	000.32	275.13
162430	055275.29	000.16	275.29
162435	055275.15	-000.14	275.15
162440	055275.06	-000.09	275.06
162445	055275.23	000.17	275.23
162450	055275.26	000.03	275.26
162455	055275.31	000.05	275.31
162500	055274.89	-000.42	274.89
162505	055274.42	-000.47	274.42
162510	055273.34	-001.08	273.34
162515	055274.24	000.90	274.24
162520	055274.80	000.56	274.80
162525	055274.13	-000.67	274.13
162530	055275.11	000.98	275.11
162535	055274.55	-000.56	274.55
162540	055271.36	-003.19	271.36
162545	055275.34	003.98	275.34
162550	055275.55	000.21	275.55
162555	055275.54	-000.01	275.54
162600	055275.44	-000.10	275.44
162605	055274.27	-001.17	274.27
162610	055275.32	001.05	275.32
162615	055275.42	000.10	275.42
162620	055275.55	000.13	275.55
162625	055275.48	-000.07	275.48
162630	055275.42	-000.06	275.42
162635	055274.35	-001.07	274.35
162640	055275.37	001.02	275.37
162645	055275.30	-000.07	275.30
162650	055275.26	-000.04	275.26
162655	055275.38	000.12	275.38
162700	055275.29	-000.09	275.29
162705	055275.47	000.18	275.47
162710	055275.58	000.11	275.58
162715	055275.64	000.06	275.64
162720	055275.66	000.02	275.66

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
162725	055275.65	-000.01	275.65
162730	055275.64	-000.01	275.64
162735	055275.56	-000.08	275.56
162740	055275.57	000.01	275.57
162745	055275.47	-000.10	275.47
162750	055275.37	-000.10	275.37
162755	055275.48	000.11	275.48
162800	055275.49	000.01	275.49
162805	055275.62	000.13	275.62
162810	055275.68	000.06	275.68
162815	055275.65	-000.03	275.65
162820	055275.64	-000.01	275.64
162825	055275.65	000.01	275.65
162830	055275.48	-000.17	275.48
162835	055275.51	000.03	275.51
162840	055275.67	000.16	275.67
162845	055275.88	000.21	275.88
162850	055275.94	000.06	275.94
162855	055276.04	000.10	276.04
162900	055275.61	-000.43	275.61
162905	055270.17	-005.44	270.17
162910	055276.25	006.08	276.25
162915	055276.04	-000.21	276.04
162920	055276.06	000.02	276.06
162925	055275.88	-000.18	275.88
162930	055275.96	000.08	275.96
162935	055275.91	-000.05	275.91
162940	055275.56	-000.35	275.56
162945	055275.52	-000.04	275.52
162950	055276.40	000.88	276.40
162955	055276.61	000.21	276.61
163000	055276.58	-000.03	276.58
163005	055276.70	000.12	276.70
163010	055276.68	-000.02	276.68
163015	055276.42	-000.26	276.42
163020	055276.29	-000.13	276.29
163025	055276.23	-000.06	276.23
163030	055276.15	-000.08	276.15
163035	055276.15	000.00	276.15
163040	055276.35	000.20	276.35
163045	055276.52	000.17	276.52
163050	055276.46	-000.06	276.46
163055	055276.49	000.03	276.49
163100	055276.17	-000.32	276.17
163105	055275.29	-000.88	275.29
163110	055276.28	000.99	276.28
163115	055276.25	-000.03	276.25
163120	055275.90	-000.35	275.90
163125	055272.89	-003.01	272.89
163130	055275.59	002.70	275.59
163135	055276.20	000.61	276.20
163140	055276.30	000.10	276.30
163145	055276.16	-000.14	276.16
163150	055276.21	000.05	276.21

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
163155	055276.04	-000.17	276.04
163200	055276.18	000.14	276.18
163205	055276.25	000.07	276.25
163210	055276.20	-000.05	276.20
163215	055276.20	000.00	276.20
163220	055276.25	000.05	276.25
163225	055276.28	000.03	276.28
163230	055276.36	000.08	276.36
163235	055276.28	-000.08	276.28
163240	055276.22	-000.06	276.22
163245	055276.08	-000.14	276.08
163250	055275.94	-000.14	275.94
163255	055275.85	-000.09	275.85
163300	055275.88	000.03	275.88
163305	055275.81	-000.07	275.81
163310	055275.94	000.13	275.94
163315	055275.95	000.01	275.95
163320	055275.98	000.03	275.98
163325	055276.03	000.05	276.03
163330	055276.08	000.05	276.08
163335	055276.15	000.07	276.15
163340	055276.06	-000.09	276.06
163345	055275.95	-000.11	275.95
163350	055276.19	000.24	276.19
163355	055276.20	000.01	276.20
163400	055276.12	-000.08	276.12
163405	055276.01	-000.11	276.01
163410	055275.92	-000.09	275.92
163415	055275.71	-000.21	275.71
163420	055275.63	-000.08	275.63
163425	055275.60	-000.03	275.60
163430	055275.58	-000.02	275.58
163435	055275.62	000.04	275.62
163440	055275.61	-000.01	275.61
163445	055275.82	000.21	275.82
163450	055275.96	000.14	275.96
163455	055275.98	000.02	275.98
163500	055276.04	000.06	276.04
163505	055276.02	-000.02	276.02
163510	055275.71	-000.31	275.71
163515	055274.87	-000.84	274.87
163520	055275.62	000.75	275.62
163525	055275.64	000.02	275.64
163530	055275.73	000.09	275.73
163535	055275.75	000.02	275.75
163540	055275.67	-000.08	275.67
163545	055275.62	-000.05	275.62
163550	055275.55	-000.07	275.55
163555	055275.60	000.05	275.60
163600	055275.30	-000.30	275.30
163605	055274.93	-000.37	274.93
163610	055275.74	000.81	275.74
163615	055275.80	000.06	275.80
163620	055275.89	000.09	275.89

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
163625	055275.98	000.09	275.98
163630	055275.95	-000.03	275.95
163635	055275.94	-000.01	275.94
163640	055275.97	000.03	275.97
163645	055276.00	000.03	276.00
163650	055275.92	-000.08	275.92
163655	055275.56	-000.36	275.56
163700	055275.36	-000.20	275.36
163705	055275.73	000.37	275.73
163710	055275.83	000.10	275.83
163715	055275.92	000.09	275.92
163720	055275.97	000.05	275.97
163725	055276.00	000.03	276.00
163730	055276.02	000.02	276.02
163735	055276.29	000.27	276.29
163740	055276.17	-000.12	276.17
163745	055276.22	000.05	276.22
163750	055276.10	-000.12	276.10
163755	055276.17	000.07	276.17
163800	055276.31	000.14	276.31
163805	055276.39	000.08	276.39
163810	055276.36	-000.03	276.36
163815	055276.43	000.07	276.43
163820	055276.37	-000.06	276.37
163825	055276.21	-000.16	276.21
163830	055276.47	000.26	276.47
163835	055276.25	-000.22	276.25
163840	055276.51	000.26	276.51
163845	055276.69	000.18	276.69
163850	055276.68	-000.01	276.68
163855	055276.72	000.04	276.72
163900	055276.95	000.23	276.95
163905	055276.98	000.03	276.98
163910	055276.83	-000.15	276.83
163915	055276.79	-000.04	276.79
163920	055277.01	000.22	277.01
163925	055276.92	-000.09	276.92
163930	055277.08	000.16	277.08
163935	055276.95	-000.13	276.95
163940	055276.76	-000.19	276.76
163945	055276.71	-000.05	276.71
163950	055277.02	000.31	277.02
163955	055277.24	000.22	277.24
164000	055277.14	-000.10	277.14
164005	055277.16	000.02	277.16
164010	055277.42	000.26	277.42
164015	055277.34	-000.08	277.34
164020	055277.18	-000.16	277.18
164025	055277.08	-000.10	277.08
164030	055277.00	-000.08	277.00
164035	055276.89	-000.11	276.89
164040	055276.99	000.10	276.99
164045	055276.98	-000.01	276.98
164050	055277.08	000.10	277.08

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
164055	055277.19	000.11	277.19
164100	055277.49	000.30	277.49
164105	055277.54	000.05	277.54
164110	055277.72	000.18	277.72
164115	055277.87	000.15	277.87
164120	055277.72	-000.15	277.72
164125	055277.70	-000.02	277.70
164130	055277.58	-000.12	277.58
164135	055277.54	-000.04	277.54
164140	055277.47	-000.07	277.47
164145	055277.38	-000.09	277.38
164150	055277.29	-000.09	277.29
164155	055277.35	000.06	277.35
164200	055277.48	000.13	277.48
164205	055277.63	000.15	277.63
164210	055277.54	-000.09	277.54
164215	055277.60	000.06	277.60
164220	055277.70	000.10	277.70
164225	055277.80	000.10	277.80
164230	055277.68	-000.12	277.68
164235	055277.71	000.03	277.71
164240	055277.87	000.16	277.87
164245	055277.84	-000.03	277.84
164250	055277.97	000.13	277.97
164255	055277.84	-000.13	277.84
164300	055277.76	-000.08	277.76
164305	055277.67	-000.09	277.67
164310	055277.65	-000.02	277.65
164315	055277.61	-000.04	277.61
164320	055277.64	000.03	277.64
164325	055277.59	-000.05	277.59
164330	055277.54	-000.05	277.54
164335	055277.48	-000.06	277.48
164340	055277.54	000.06	277.54
164345	055277.72	000.18	277.72
164350	055277.63	-000.09	277.63
164355	055277.60	-000.03	277.60
164400	055276.98	-000.62	276.98
164405	055276.25	-000.73	276.25
164410	055266.88	-009.37	266.88
164415	055276.80	009.92	276.80
164420	055277.23	000.43	277.23
164425	055277.22	-000.01	277.22
164430	055277.27	000.05	277.27
164435	055277.44	000.17	277.44
164440	055277.70	000.26	277.70
164445	055277.90	000.20	277.90
164450	055278.05	000.15	278.05
164455	055278.03	-000.02	278.03
164500	055277.97	-000.06	277.97
164505	055277.77	-000.20	277.77
164510	055277.42	-000.35	277.42
164515	055276.77	-000.65	276.77
164520	055277.24	000.47	277.24

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
164525	055277.36	000.12	277.36
164530	055277.46	000.10	277.46
164535	055277.73	000.27	277.73
164540	055277.93	000.20	277.93
164545	055278.18	000.25	278.18
164550	055278.25	000.07	278.25
164555	055278.24	-000.01	278.24
164600	055276.74	-001.50	276.74
164605	055277.80	001.06	277.80
164610	055277.49	-000.31	277.49
164615	055277.18	-000.31	277.18
164620	055276.39	-000.79	276.39
164625	055273.05	-003.34	273.05
164630	055276.46	003.41	276.46
164635	055274.87	-001.59	274.87
164640	055277.82	002.95	277.82
164645	055278.38	000.56	278.38
164650	055278.66	000.28	278.66
164655	055278.85	000.19	278.85
164700	055278.85	000.00	278.85
164705	055278.69	-000.16	278.69
164710	055278.33	-000.36	278.33
164715	055278.15	-000.18	278.15
164720	055277.94	-000.21	277.94
164725	055277.89	-000.05	277.89
164730	055277.84	-000.05	277.84
164735	055277.92	000.08	277.92
164740	055278.12	000.20	278.12
164745	055278.37	000.25	278.37
164750	055278.72	000.35	278.72
164755	055279.05	000.33	279.05
164800	055279.31	000.26	279.31
164805	055279.37	000.06	279.37
164810	055279.34	-000.03	279.34
164815	055279.00	-000.34	279.00
164820	055278.69	-000.31	278.69
164825	055278.41	-000.28	278.41
164830	055278.25	-000.16	278.25
164835	055275.97	-002.28	275.97
164840	055278.37	002.40	278.37
164845	055278.59	000.22	278.59
164850	055278.91	000.32	278.91
164855	055279.15	000.24	279.15
164900	055279.08	-000.07	279.08
164905	055279.00	-000.08	279.00
164910	055278.81	-000.19	278.81
164915	055278.32	-000.49	278.32
164920	055274.57	-003.75	274.57
164925	055278.10	003.53	278.10
164930	055278.39	000.29	278.39
164935	055278.64	000.25	278.64
164940	055278.76	000.12	278.76
164945	055278.98	000.22	278.98
164950	055279.12	000.14	279.12

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
164955	055279.08	-000.04	279.08
165000	055279.03	-000.05	279.03
165005	055278.92	-000.11	278.92
165010	055278.71	-000.21	278.71
165015	055278.12	-000.59	278.12
165020	055278.17	000.05	278.17
165025	055278.84	000.67	278.84
165030	055279.10	000.26	279.10
165035	055279.22	000.12	279.22
165040	055279.13	-000.09	279.13
165045	055279.08	-000.05	279.08
165050	055279.10	000.02	279.10
165055	055279.06	-000.04	279.06
165100	055279.27	000.21	279.27
165105	055279.20	-000.07	279.20
165110	055279.50	000.30	279.50
165115	055279.53	000.03	279.53
165120	055279.54	000.01	279.54
165125	055279.22	-000.32	279.22
165130	055279.17	-000.05	279.17
165135	055279.18	000.01	279.18
165140	055279.41	000.23	279.41
165145	055279.34	-000.07	279.34
165150	055279.30	-000.04	279.30
165155	055279.40	000.10	279.40
165200	055279.54	000.14	279.54
165205	055279.71	000.17	279.71
165210	055279.85	000.14	279.85
165215	055279.81	-000.04	279.81
165220	055279.69	-000.12	279.69
165225	055279.73	000.04	279.73
165230	055279.63	-000.10	279.63
165235	055279.54	-000.09	279.54
165240	055279.73	000.19	279.73
165245	055279.88	000.15	279.88
165250	055280.00	000.12	280.00
165255	055279.80	-000.20	279.80
165300	055279.84	000.04	279.84
165305	055279.92	000.08	279.92
165310	055279.89	-000.03	279.89
165315	055279.90	000.01	279.90
165320	055279.61	-000.29	279.61
165325	055279.48	-000.13	279.48
165330	055279.34	-000.14	279.34
165335	055279.36	000.02	279.36
165340	055279.74	000.38	279.74
165345	055280.11	000.37	280.11
165350	055280.53	000.42	280.53
165355	055280.76	000.23	280.76
165400	055280.89	000.13	280.89
165405	055280.60	-000.29	280.60
165410	055280.17	-000.43	280.17
165415	055279.82	-000.35	279.82
165420	055280.12	000.30	280.12

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
165425	055278.84	-001.28	278.84
165430	055278.78	-000.06	278.78
165435	055278.83	000.05	278.83
165440	055278.84	000.01	278.84
165445	055279.83	000.99	279.83
165450	055279.82	-000.01	279.82
165455	055280.10	000.28	280.10
165500	055280.26	000.16	280.26
165505	055280.03	-000.23	280.03
165510	055279.93	-000.10	279.93
165515	055279.92	-000.01	279.92
165520	055279.72	-000.20	279.72
165525	055279.64	-000.08	279.64
165530	055279.46	-000.18	279.46
165535	055279.50	000.04	279.50
165540	055279.43	-000.07	279.43
165545	055279.71	000.28	279.71
165550	055279.88	000.17	279.88
165555	055279.69	-000.19	279.69
165600	055271.74	-007.95	271.74
165605	055280.03	008.29	280.03
165610	055280.02	-000.01	280.02
165615	055279.91	-000.11	279.91
165620	055279.68	-000.23	279.68
165625	055279.51	-000.17	279.51
165630	055279.51	000.00	279.51
165635	055278.76	-000.75	278.76
165640	055278.11	-000.65	278.11
165645	055279.51	001.40	279.51
165650	055279.56	000.05	279.56
165655	055279.61	000.05	279.61
165700	055279.51	-000.10	279.51
165705	055279.64	000.13	279.64
165710	055279.76	000.12	279.76
165715	055279.71	-000.05	279.71
165720	055279.72	000.01	279.72
165725	055279.66	-000.06	279.66
165730	055279.64	-000.02	279.64
165735	055279.84	000.20	279.84
165740	055279.99	000.15	279.99
165745	055280.13	000.14	280.13
165750	055280.28	000.15	280.28
165755	055280.34	000.06	280.34
165800	055280.23	-000.11	280.23
165805	055278.58	-001.65	278.58
165810	055279.95	001.37	279.95
165815	055279.83	-000.12	279.83
165820	055279.66	-000.17	279.66
165825	055279.11	-000.55	279.11
165830	055275.95	-003.16	275.95
165835	055279.23	003.28	279.23
165840	055280.17	000.94	280.17
165845	055280.54	000.37	280.54
165850	055280.59	000.05	280.59

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
165855	055280.51	-000.08	280.51
165900	055280.55	000.04	280.55
165905	055280.43	-000.12	280.43
165910	055280.39	-000.04	280.39
165915	055280.35	-000.04	280.35
165920	055280.39	000.04	280.39
165925	055280.35	-000.04	280.35
165930	055280.41	000.06	280.41
165935	055280.52	000.11	280.52
165940	055280.46	-000.06	280.46
165945	055280.47	000.01	280.47
165950	055280.40	-000.07	280.40
165955	055280.47	000.07	280.47
170000	055280.49	000.02	280.49
170005	055280.59	000.10	280.59
170010	055280.69	000.10	280.69
170015	055280.97	000.28	280.97
170020	055280.99	000.02	280.99
170025	055281.00	000.01	281.00
170030	055281.03	000.03	281.03
170035	055280.99	-000.04	280.99
170040	055281.11	000.12	281.11
170045	055281.23	000.12	281.23
170050	055275.95	-005.28	275.95
170055	055282.83	006.88	282.83
170100	055281.42	-001.41	281.42
170105	055281.16	-000.26	281.16
170110	055281.18	000.02	281.18
170115	055281.19	000.01	281.19
170120	055281.27	000.08	281.27
170125	055281.28	000.01	281.28
170130	055281.31	000.03	281.31
170135	055281.30	-000.01	281.30
170140	055281.29	-000.01	281.29
170145	055281.30	000.01	281.30
170150	055281.41	000.11	281.41
170155	055281.53	000.12	281.53
170200	055281.66	000.13	281.66
170205	055281.76	000.10	281.76
170210	055281.81	000.05	281.81
170215	055281.74	-000.07	281.74
170220	055281.59	-000.15	281.59
170225	055281.58	-000.01	281.58
170230	055281.62	000.04	281.62
170235	055281.66	000.04	281.66
170240	055281.67	000.01	281.67
170245	055281.57	-000.10	281.57
170250	055280.32	-001.25	280.32
170255	055281.72	001.40	281.72
170300	055281.92	000.20	281.92
170305	055282.04	000.12	282.04
170310	055282.16	000.12	282.16
170315	055282.20	000.04	282.20
170320	055282.26	000.06	282.26

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
170325	055282.37	000.11	282.37
170330	055282.38	000.01	282.38
170335	055282.30	-000.08	282.30
170340	055282.21	-000.09	282.21
170345	055282.05	-000.16	282.05
170350	055281.86	-000.19	281.86
170355	055280.43	-001.43	280.43
170400	055281.36	000.93	281.36
170405	055282.04	000.68	282.04
170410	055282.31	000.27	282.31
170415	055282.47	000.16	282.47
170420	055282.25	-000.22	282.25
170425	055282.18	-000.07	282.18
170430	055282.11	-000.07	282.11
170435	055282.18	000.07	282.18
170440	055282.38	000.20	282.38
170445	055282.47	000.09	282.47
170450	055282.33	-000.14	282.33
170455	055281.43	-000.90	281.43
170500	055281.44	000.01	281.44
170505	055282.05	000.61	282.05
170510	055282.08	000.03	282.08
170515	055282.30	000.22	282.30
170520	055282.50	000.20	282.50
170525	055282.63	000.13	282.63
170530	055282.68	000.05	282.68
170535	055282.76	000.08	282.76
170540	055282.96	000.20	282.96
170545	055283.00	000.04	283.00
170550	055283.04	000.04	283.04
170555	055281.25	-001.79	281.25
170600	055281.67	000.42	281.67
170605	055282.47	000.80	282.47
170610	055282.52	000.05	282.52
170615	055282.49	-000.03	282.49
170620	055282.79	000.30	282.79
170625	055283.10	000.31	283.10
170630	055283.37	000.27	283.37
170635	055283.46	000.09	283.46
170640	055283.48	000.02	283.48
170645	055283.53	000.05	283.53
170650	055283.43	-000.10	283.43
170655	055283.31	-000.12	283.31
170700	055283.08	-000.23	283.08
170705	055283.11	000.03	283.11
170710	055283.09	-000.02	283.09
170715	055283.08	-000.01	283.08
170720	055283.23	000.15	283.23
170725	055283.47	000.24	283.47
170730	055283.53	000.06	283.53
170735	055283.49	-000.04	283.49
170740	055283.61	000.12	283.61
170745	055283.51	-000.10	283.51
170750	055283.44	-000.07	283.44

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
170755	055283.29	-000.15	283.29
170800	055283.15	-000.14	283.15
170805	055282.98	-000.17	282.98
170810	055282.74	-000.24	282.74
170815	055282.58	-000.16	282.58
170820	055282.57	-000.01	282.57
170825	055282.62	000.05	282.62
170830	055282.69	000.07	282.69
170835	055282.74	000.05	282.74
170840	055282.48	-000.26	282.48
170845	055274.04	-008.44	274.04
170850	055282.54	008.50	282.54
170855	055282.34	-000.20	282.34
170900	055282.08	-000.26	282.08
170905	055281.78	-000.30	281.78
170910	055281.75	-000.03	281.75
170915	055281.56	-000.19	281.56
170920	055281.56	000.00	281.56
170925	055281.57	000.01	281.57
170930	055281.71	000.14	281.71
170935	055281.80	000.09	281.80
170940	055281.82	000.02	281.82
170945	055281.79	-000.03	281.79
170950	055281.59	-000.20	281.59
170955	055281.38	-000.21	281.38
171000	055281.46	000.08	281.46
171005	055281.30	-000.16	281.30
171010	055281.04	-000.26	281.04
171015	055281.37	000.33	281.37
171020	055281.53	000.16	281.53
171025	055281.59	000.06	281.59
171030	055281.54	-000.05	281.54
171035	055281.35	-000.19	281.35
171040	055281.38	000.03	281.38
171045	055281.49	000.11	281.49
171050	055281.53	000.04	281.53
171055	055281.55	000.02	281.55
171100	055280.40	-001.15	280.40
171105	055279.53	-000.87	279.53
171110	055281.42	001.89	281.42
171115	055281.55	000.13	281.55
171120	055281.70	000.15	281.70
171125	055281.87	000.17	281.87
171130	055282.18	000.31	282.18
171135	055282.41	000.23	282.41
171140	055282.42	000.01	282.42
171145	055282.30	-000.12	282.30
171150	055282.31	000.01	282.31
171155	055282.10	-000.21	282.10
171200	055282.00	-000.10	282.00
171205	055281.82	-000.18	281.82
171210	055281.74	-000.08	281.74
171215	055281.79	000.05	281.79
171220	055281.97	000.18	281.97

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
171225	055282.12	000.15	282.12
171230	055282.42	000.30	282.42
171235	055282.55	000.13	282.55
171240	055282.55	000.00	282.55
171245	055282.44	-000.11	282.44
171250	055282.50	000.06	282.50
171255	055282.39	-000.11	282.39
171300	055282.14	-000.25	282.14
171305	055279.97	-002.17	279.97
171310	055282.49	002.52	282.49
171315	055282.55	000.06	282.55
171320	055282.55	000.00	282.55
171325	055282.46	-000.09	282.46
171330	055282.43	-000.03	282.43
171335	055282.45	000.02	282.45
171340	055282.58	000.13	282.58
171345	055282.56	-000.02	282.56
171350	055282.69	000.13	282.69
171355	055282.83	000.14	282.83
171400	055282.86	000.03	282.86
171405	055282.91	000.05	282.91
171410	055282.89	-000.02	282.89
171415	055282.90	000.01	282.90
171420	055283.03	000.13	283.03
171425	055282.92	-000.11	282.92
171430	055282.80	-000.12	282.80
171435	055282.67	-000.13	282.67
171440	055282.85	000.18	282.85
171445	055282.83	-000.02	282.83
171450	055283.14	000.31	283.14
171455	055283.40	000.26	283.40
171500	055283.60	000.20	283.60
171505	055283.68	000.08	283.68
171510	055283.51	-000.17	283.51
171515	055283.34	-000.17	283.34
171520	055283.21	-000.13	283.21
171525	055283.01	-000.20	283.01
171530	055283.07	000.06	283.07
171535	055283.01	-000.06	283.01
171540	055283.25	000.24	283.25
171545	055283.14	-000.11	283.14
171550	055283.43	000.29	283.43
171555	055283.76	000.33	283.76
171600	055284.29	000.53	284.29
171605	055284.23	-000.06	284.23
171610	055284.25	000.02	284.25
171615	055284.26	000.01	284.26
171620	055284.16	-000.10	284.16
171625	055284.07	-000.09	284.07
171630	055283.92	-000.15	283.92
171635	055283.80	-000.12	283.80
171640	055283.65	-000.15	283.65
171645	055283.82	000.17	283.82
171650	055284.01	000.19	284.01

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
171655	055284.17	000.16	284.17
171700	055284.33	000.16	284.33
171705	055284.20	-000.13	284.20
171710	055284.04	-000.16	284.04
171715	055283.93	-000.11	283.93
171720	055283.88	-000.05	283.88
171725	055284.04	000.16	284.04
171730	055284.27	000.23	284.27
171735	055284.56	000.29	284.56
171740	055284.87	000.31	284.87
171745	055285.17	000.30	285.17
171750	055285.22	000.05	285.22
171755	055285.23	000.01	285.23
171800	055285.12	-000.11	285.12
171805	055284.99	-000.13	284.99
171810	055284.95	-000.04	284.95
171815	055284.87	-000.08	284.87
171820	055284.87	000.00	284.87
171825	055284.83	-000.04	284.83
171830	055284.86	000.03	284.86
171835	055284.80	-000.06	284.80
171840	055285.01	000.21	285.01
171845	055285.29	000.28	285.29
171850	055285.46	000.17	285.46
171855	055285.63	000.17	285.63
171900	055285.69	000.06	285.69
171905	055285.65	-000.04	285.65
171910	055285.59	-000.06	285.59
171915	055285.65	000.06	285.65
171920	055285.79	000.14	285.79
171925	055285.98	000.19	285.98
171930	055286.03	000.05	286.03
171935	055286.05	000.02	286.05
171940	055286.04	-000.01	286.04
171945	055285.96	-000.08	285.96
171950	055285.83	-000.13	285.83
171955	055285.84	000.01	285.84
172000	055285.86	000.02	285.86
172005	055285.87	000.01	285.87
172010	055285.79	-000.08	285.79
172015	055285.64	-000.15	285.64
172020	055285.70	000.06	285.70
172025	055285.68	-000.02	285.68
172030	055285.92	000.24	285.92
172035	055286.09	000.17	286.09
172040	055286.24	000.15	286.24
172045	055286.32	000.08	286.32
172050	055286.37	000.05	286.37
172055	055286.36	-000.01	286.36
172100	055286.41	000.05	286.41
172105	055286.39	-000.02	286.39
172110	055286.31	-000.08	286.31
172115	055286.20	-000.11	286.20
172120	055286.10	-000.10	286.10

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
172125	055285.89	-000.21	285.89
172130	055286.01	000.12	286.01
172135	055285.98	-000.03	285.98
172140	055285.97	-000.01	285.97
172145	055285.96	-000.01	285.96
172150	055285.95	-000.01	285.95
172155	055285.89	-000.06	285.89
172200	055285.79	-000.10	285.79
172205	055285.63	-000.16	285.63
172210	055285.20	-000.43	285.20
172215	055285.45	000.25	285.45
172220	055285.82	000.37	285.82
172225	055285.96	000.14	285.96
172230	055285.93	-000.03	285.93
172235	055285.92	-000.01	285.92
172240	055285.64	-000.28	285.64
172245	055285.54	-000.10	285.54
172250	055285.42	-000.12	285.42
172255	055285.40	-000.02	285.40
172300	055285.53	000.13	285.53
172305	055285.73	000.20	285.73
172310	055285.90	000.17	285.90
172315	055285.82	-000.08	285.82
172320	055285.93	000.11	285.93
172325	055285.86	-000.07	285.86
172330	055284.94	-000.92	284.94
172335	055283.82	-001.12	283.82
172340	055285.47	001.65	285.47
172345	055285.62	000.15	285.62
172350	055285.72	000.10	285.72
172355	055285.72	000.00	285.72
172400	055283.99	-001.73	283.99
172405	055286.14	002.15	286.14
172410	055286.25	000.11	286.25
172415	055286.25	000.00	286.25
172420	055286.14	-000.11	286.14
172425	055285.97	-000.17	285.97
172430	055285.75	-000.22	285.75
172435	055285.66	-000.09	285.66
172440	055285.59	-000.07	285.59
172445	055285.60	000.01	285.60
172450	055285.65	000.05	285.65
172455	055285.70	000.05	285.70
172500	055285.77	000.07	285.77
172505	055285.88	000.11	285.88
172510	055285.91	000.03	285.91
172515	055285.90	-000.01	285.90
172520	055285.34	-000.56	285.34
172525	055286.20	000.86	286.20
172530	055286.44	000.24	286.44
172535	055286.31	-000.13	286.31
172540	055286.18	-000.13	286.18
172545	055286.10	-000.08	286.10
172550	055285.71	-000.39	285.71

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
172555	055285.66	-000.05	285.66
172600	055285.93	000.27	285.93
172605	055285.91	-000.02	285.91
172610	055285.87	-000.04	285.87
172615	055285.93	000.06	285.93
172620	055286.07	000.14	286.07
172625	055286.16	000.09	286.16
172630	055286.35	000.19	286.35
172635	055286.61	000.26	286.61
172640	055286.71	000.10	286.71
172645	055286.75	000.04	286.75
172650	055286.70	-000.05	286.70
172655	055286.72	000.02	286.72
172700	055286.68	-000.04	286.68
172705	055286.70	000.02	286.70
172710	055286.74	000.04	286.74
172715	055286.61	-000.13	286.61
172720	055286.51	-000.10	286.51
172725	055286.37	-000.14	286.37
172730	055286.24	-000.13	286.24
172735	055286.29	000.05	286.29
172740	055286.32	000.03	286.32
172745	055286.45	000.13	286.45
172750	055286.90	000.45	286.90
172755	055287.03	000.13	287.03
172800	055287.17	000.14	287.17
172805	055287.20	000.03	287.20
172810	055287.20	000.00	287.20
172815	055287.17	-000.03	287.17
172820	055287.10	-000.07	287.10
172825	055286.95	-000.15	286.95
172830	055286.95	000.00	286.95
172835	055287.00	000.05	287.00
172840	055287.10	000.10	287.10
172845	055287.06	-000.04	287.06
172850	055287.32	000.26	287.32
172855	055287.46	000.14	287.46
172900	055287.59	000.13	287.59
172905	055287.71	000.12	287.71
172910	055287.60	-000.11	287.60
172915	055287.63	000.03	287.63
172920	055287.57	-000.06	287.57
172925	055287.50	-000.07	287.50
172930	055287.44	-000.06	287.44
172935	055287.53	000.09	287.53
172940	055287.58	000.05	287.58
172945	055287.85	000.27	287.85
172950	055288.03	000.18	288.03
172955	055288.13	000.10	288.13
173000	055288.05	-000.08	288.05
173005	055288.00	-000.05	288.00
173010	055287.83	-000.17	287.83
173015	055287.65	-000.18	287.65
173020	055287.65	000.00	287.65

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
173025	055287.81	000.16	287.81
173030	055288.11	000.30	288.11
173035	055288.25	000.14	288.25
173040	055288.36	000.11	288.36
173045	055288.44	000.08	288.44
173050	055288.36	-000.08	288.36
173055	055288.30	-000.06	288.30
173100	055288.33	000.03	288.33
173105	055288.32	-000.01	288.32
173110	055288.42	000.10	288.42
173115	055288.50	000.08	288.50
173120	055288.63	000.13	288.63
173125	055288.83	000.20	288.83
173130	055288.69	-000.14	288.69
173135	055288.60	-000.09	288.60
173140	055288.45	-000.15	288.45
173145	055288.50	000.05	288.50
173150	055288.42	-000.08	288.42
173155	055288.48	000.06	288.48
173200	055288.52	000.04	288.52
173205	055288.41	-000.11	288.41
173210	055288.59	000.18	288.59
173215	055288.57	-000.02	288.57
173220	055288.38	-000.19	288.38
173225	055287.69	-000.69	287.69
081820	024684.54	-603.15 -	315.46
081825	030991.86	307.32 -	008.14
081830	038889.70	897.84 -	110.30
081835	025115.51	-774.19 -	884.49
081840	029245.74	130.23 -	754.26
081845	020882.59	-363.15 -	117.41
081850	006454.54	-428.05 -	545.46
081855	052750.42	295.88 -	249.58
081900	055413.82	663.40	413.82
081905	055275.91	-137.91	275.91
081910	055277.95	002.04	277.95
081915	055277.74	-000.21	277.74
081920	055277.68	-000.06	277.68
081925	055278.33	000.65	278.33
081930	055279.28	000.95	279.28
081935	055279.19	-000.09	279.19
081940	055279.09	-000.10	279.09
081945	055278.63	-000.46	278.63
081950	055278.96	000.33	278.96
081955	055278.95	-000.01	278.95
082000	055278.01	-000.94	278.01
082005	055276.89	-001.12	276.89
082010	055277.29	000.40	277.29
082015	055277.18	-000.11	277.18
082020	055277.27	000.09	277.27
082025	055277.21	-000.06	277.21
082030	055277.07	-000.14	277.07
082035	055277.01	-000.06	277.01

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
082040	055277.03	000.02	277.03
082045	055276.79	-000.24	276.79
082050	055276.83	000.04	276.83
082055	055276.80	-000.03	276.80
082100	055276.74	-000.06	276.74
082105	055276.80	000.06	276.80
082110	055276.77	-000.03	276.77
082115	055276.71	-000.06	276.71
082120	055276.55	-000.16	276.55
082125	055276.84	000.29	276.84
082130	055276.76	-000.08	276.76
082135	055276.66	-000.10	276.66
082140	055276.61	-000.05	276.61
082145	055276.67	000.06	276.67
082150	055277.00	000.33	277.00
082155	055277.01	000.01	277.01
082200	055277.22	000.21	277.22
082205	055277.00	-000.22	277.00
082210	055277.03	000.03	277.03
082215	055276.91	-000.12	276.91
082220	055276.58	-000.33	276.58
082225	055276.27	-000.31	276.27
082230	055274.48	-001.79	274.48
082235	055273.45	-001.03	273.45
082240	055276.46	003.01	276.46
082245	055276.99	000.53	276.99
082250	055277.32	000.33	277.32
082255	055277.45	000.13	277.45
082300	055277.48	000.03	277.48
082305	055277.39	-000.09	277.39
082310	055277.39	000.00	277.39
082315	055277.42	000.03	277.42
082320	055277.41	-000.01	277.41
082325	055276.38	-001.03	276.38
082330	055277.31	000.93	277.31
082335	055276.99	-000.32	276.99
082340	055276.84	-000.15	276.84
082345	055277.71	000.87	277.71
082350	055277.10	-000.61	277.10
082355	055277.10	000.00	277.10
082400	055276.91	-000.19	276.91
082405	055276.45	-000.46	276.45
082410	055275.68	-000.77	275.68
082415	055275.23	-000.45	275.23
082420	055276.91	001.68	276.91
082425	055276.86	-000.05	276.86
082430	055277.04	000.18	277.04
082435	055277.08	000.04	277.08
082440	055276.87	-000.21	276.87
082445	055276.94	000.07	276.94
082450	055276.72	-000.22	276.72
082455	055276.26	-000.46	276.26
082500	055276.55	000.29	276.55
082505	055276.76	000.21	276.76

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
082510	055276.62	-000.14	276.62
082515	055276.58	-000.04	276.58
082520	055276.55	-000.03	276.55
082525	055276.54	-000.01	276.54
082530	055276.41	-000.13	276.41
082535	055276.37	-000.04	276.37
082540	055276.24	-000.13	276.24
082545	055275.49	-000.75	275.49
082550	055276.21	000.72	276.21
082555	055276.39	000.18	276.39
082600	055276.43	000.04	276.43
082605	055276.58	000.15	276.58
082610	055276.67	000.09	276.67
082615	055276.64	-000.03	276.64
082620	055276.53	-000.11	276.53
082625	055276.18	-000.35	276.18
082630	055276.19	000.01	276.19
082635	055276.12	-000.07	276.12
082640	055276.03	-000.09	276.03
082645	055276.04	000.01	276.04
082650	055275.96	-000.08	275.96
082655	055276.03	000.07	276.03
082700	055276.14	000.11	276.14
082705	055276.27	000.13	276.27
082710	055276.29	000.02	276.29
082715	055276.35	000.06	276.35
082720	055276.29	-000.06	276.29
082725	055276.43	000.14	276.43
082730	055276.43	000.00	276.43
082735	055276.38	-000.05	276.38
082740	055276.32	-000.06	276.32
082745	055276.27	-000.05	276.27
082750	055274.97	-001.30	274.97
082755	055275.41	000.44	275.41
082800	055275.74	000.33	275.74
082805	055275.78	000.04	275.78
082810	055275.77	-000.01	275.77
082815	055275.84	000.07	275.84
082820	055275.87	000.03	275.87
082825	055275.71	-000.16	275.71
082830	055275.76	000.05	275.76
082835	055275.78	000.02	275.78
082840	055275.89	000.11	275.89
082845	055276.03	000.14	276.03
082850	055276.11	000.08	276.11
082855	055273.84	-002.27	273.84
082900	055272.70	-001.14	272.70
082905	055273.45	000.75	273.45
082910	055275.30	001.85	275.30
082915	055276.44	001.14	276.44
082920	055276.50	000.06	276.50
082925	055276.39	-000.11	276.39
082930	055276.17	-000.22	276.17
082935	055275.84	-000.33	275.84

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
082940	055275.75	-000.09	275.75
082945	055275.69	-000.06	275.69
082950	055275.74	000.05	275.74
082955	055275.66	-000.08	275.66
083000	055275.68	000.02	275.68
083005	055275.61	-000.07	275.61
083010	055275.72	000.11	275.72
083015	055275.91	000.19	275.91
083020	055276.07	000.16	276.07
083025	055275.88	-000.19	275.88
083030	055275.76	-000.12	275.76
083035	055275.61	-000.15	275.61
083040	055275.51	-000.10	275.51
083045	055275.34	-000.17	275.34
083050	055275.18	-000.16	275.18
083055	055275.06	-000.12	275.06
083100	055275.04	-000.02	275.04
083105	055275.08	000.04	275.08
083110	055275.11	000.03	275.11
083115	055275.14	000.03	275.14
083120	055275.41	000.27	275.41
083125	055275.60	000.19	275.60
083130	055275.64	000.04	275.64
083135	055275.65	000.01	275.65
083140	055275.73	000.08	275.73
083145	055275.75	000.02	275.75
083150	055275.78	000.03	275.78
083155	055275.84	000.06	275.84
083200	055275.84	000.00	275.84
083205	055275.89	000.05	275.89
083210	055275.91	000.02	275.91
083215	055275.91	000.00	275.91
083220	055275.81	-000.10	275.81
083225	055275.66	-000.15	275.66
083230	055275.47	-000.19	275.47
083235	055275.36	-000.11	275.36
083240	055275.20	-000.16	275.20
083245	055275.15	-000.05	275.15
083250	055275.13	-000.02	275.13
083255	055275.12	-000.01	275.12
083300	055274.98	-000.14	274.98
083305	055274.99	000.01	274.99
083310	055275.03	000.04	275.03
083315	055275.03	000.00	275.03
083320	055275.39	000.36	275.39
083325	055276.17	000.78	276.17
083330	055279.52	003.35	279.52
083335	055276.19	-003.33	276.19
083340	055275.91	-000.28	275.91
083345	055275.35	-000.56	275.35
083350	055275.24	-000.11	275.24
083355	055275.22	-000.02	275.22
083400	055275.32	000.10	275.32
083405	055275.44	000.12	275.44

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
083410	055275.55	000.11	275.55
083415	055275.70	000.15	275.70
083420	055275.72	000.02	275.72
083425	055275.72	000.00	275.72
083430	055275.76	000.04	275.76
083435	055275.82	000.06	275.82
083440	055275.70	-000.12	275.70
083445	055275.35	-000.35	275.35
083450	055274.65	-000.70	274.65
083455	055273.63	-001.02	273.63
083500	055274.88	001.25	274.88
083505	055275.04	000.16	275.04
083510	055274.95	-000.09	274.95
083515	055274.90	-000.05	274.90
083520	055274.87	-000.03	274.87
083525	055274.80	-000.07	274.80
083530	055274.82	000.02	274.82
083535	055274.88	000.06	274.88
083540	055274.98	000.10	274.98
083545	055275.15	000.17	275.15
083550	055275.19	000.04	275.19
083555	055275.38	000.19	275.38
083600	055275.36	-000.02	275.36
083605	055275.35	-000.01	275.35
083610	055275.38	000.03	275.38
083615	055275.23	-000.15	275.23
083620	055275.16	-000.07	275.16
083625	055275.12	-000.04	275.12
083630	055275.19	000.07	275.19
083635	055275.01	-000.18	275.01
083640	055275.08	000.07	275.08
083645	055275.13	000.05	275.13
083650	055275.09	-000.04	275.09
083655	055275.07	-000.02	275.07
083700	055275.05	-000.02	275.05
083705	055275.00	-000.05	275.00
083710	055275.02	000.02	275.02
083715	055275.12	000.10	275.12
083720	055275.21	000.09	275.21
083725	055275.01	-000.20	275.01
083730	055274.90	-000.11	274.90
083735	055274.77	-000.13	274.77
083740	055274.37	-000.40	274.37
083745	055267.76	-006.61	267.76
083750	055272.84	005.08	272.84
083755	055274.53	001.69	274.53
083800	055274.53	000.00	274.53
083805	055274.47	-000.06	274.47
083810	055274.44	-000.03	274.44
083815	055274.37	-000.07	274.37
083820	055274.43	000.06	274.43
083825	055274.47	000.04	274.47
083830	055274.62	000.15	274.62
083835	055274.58	-000.04	274.58

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
083840	055274.72	000.14	274.72
083845	055274.77	000.05	274.77
083850	055274.64	-000.13	274.64
083855	055274.63	-000.01	274.63
083900	055274.67	000.04	274.67
083905	055274.55	-000.12	274.55
083910	055273.65	-000.90	273.65
083915	055274.39	000.74	274.39
083920	055274.47	000.08	274.47
083925	055274.31	-000.16	274.31
083930	055274.46	000.15	274.46
083935	055274.64	000.18	274.64
083940	055274.83	000.19	274.83
083945	055274.78	-000.05	274.78
083950	055274.77	-000.01	274.77
083955	055274.52	-000.25	274.52
084000	055274.52	000.00	274.52
084005	055274.36	-000.16	274.36
084010	055274.31	-000.05	274.31
084015	055274.58	000.27	274.58
084020	055274.43	-000.15	274.43
084025	055274.22	-000.21	274.22
084030	055272.68	-001.54	272.68
084035	055274.71	002.03	274.71
084040	055274.58	-000.13	274.58
084045	055274.77	000.19	274.77
084050	055274.27	-000.50	274.27
084055	055273.58	-000.69	273.58
084100	055271.22	-002.36	271.22
084105	055272.12	000.90	272.12
084110	055274.31	002.19	274.31
084115	055274.35	000.04	274.35
084120	055274.15	-000.20	274.15
084125	055272.31	-001.84	272.31
084130	055274.36	002.05	274.36
084135	055274.43	000.07	274.43
084140	055274.64	000.21	274.64
084145	055274.54	-000.10	274.54
084150	055274.48	-000.06	274.48
084155	055274.27	-000.21	274.27
084200	055274.43	000.16	274.43
084205	055274.42	-000.01	274.42
084210	055274.45	000.03	274.45
084215	055274.25	-000.20	274.25
084220	055274.20	-000.05	274.20
084225	055274.12	-000.08	274.12
084230	055274.21	000.09	274.21
084235	055274.12	-000.09	274.12
084240	055274.09	-000.03	274.09
084245	055274.18	000.09	274.18
084250	055274.02	-000.16	274.02
084255	055273.36	-000.66	273.36
084300	055274.15	000.79	274.15
084305	055274.04	-000.11	274.04

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
084310	055274.05	000.01	274.05
084315	055274.11	000.06	274.11
084320	055274.18	000.07	274.18
084325	055274.42	000.24	274.42
084330	055274.48	000.06	274.48
084335	055274.41	-000.07	274.41
084340	055274.29	-000.12	274.29
084345	055274.04	-000.25	274.04
084350	055274.08	000.04	274.08
084355	055273.85	-000.23	273.85
084400	055273.84	-000.01	273.84
084405	055273.83	-000.01	273.83
084410	055274.04	000.21	274.04
084415	055274.10	000.06	274.10
084420	055274.00	-000.10	274.00
084425	055274.11	000.11	274.11
084430	055274.04	-000.07	274.04
084435	055274.02	-000.02	274.02
084440	055274.04	000.02	274.04
084445	055274.13	000.09	274.13
084450	055274.10	-000.03	274.10
084455	055274.02	-000.08	274.02
084500	055274.06	000.04	274.06
084505	055273.97	-000.09	273.97
084510	055273.89	-000.08	273.89
084515	055273.88	-000.01	273.88
084520	055273.88	000.00	273.88
084525	055273.91	000.03	273.91
084530	055273.85	-000.06	273.85
084535	055273.91	000.06	273.91
084540	055273.97	000.06	273.97
084545	055273.23	-000.74	273.23
084550	055273.98	000.75	273.98
084555	055273.81	-000.17	273.81
084600	055274.26	000.45	274.26
084605	055274.51	000.25	274.51
084610	055274.58	000.07	274.58
084615	055274.41	-000.17	274.41
084620	055274.34	-000.07	274.34
084625	055274.23	-000.11	274.23
084630	055273.92	-000.31	273.92
084635	055273.71	-000.21	273.71
084640	055273.52	-000.19	273.52
084645	055273.51	-000.01	273.51
084650	055273.34	-000.17	273.34
084655	055272.48	-000.86	272.48
084700	055273.45	000.97	273.45
084705	055273.31	-000.14	273.31
084710	055272.94	-000.37	272.94
084715	055273.38	000.44	273.38
084720	055273.00	-000.38	273.00
084725	055273.84	000.84	273.84
084730	055274.00	000.16	274.00
084735	055273.84	-000.16	273.84

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
084740	055273.25	-000.59	273.25
084745	055273.85	000.60	273.85
084750	055273.94	000.09	273.94
084755	055273.88	-000.06	273.88
084800	055273.93	000.05	273.93
084805	055272.80	-001.13	272.80
084810	055272.86	000.06	272.86
084815	055274.13	001.27	274.13
084820	055274.19	000.06	274.19
084825	055274.33	000.14	274.33
084830	055274.27	-000.06	274.27
084835	055274.22	-000.05	274.22
084840	055274.15	-000.07	274.15
084845	055273.99	-000.16	273.99
084850	055273.86	-000.13	273.86
084855	055273.91	000.05	273.91
084900	055273.89	-000.02	273.89
084905	055273.78	-000.11	273.78
084910	055273.76	-000.02	273.76
084915	055273.62	-000.14	273.62
084920	055273.69	000.07	273.69
084925	055273.66	-000.03	273.66
084930	055273.51	-000.15	273.51
084935	055273.33	-000.18	273.33
084940	055273.17	-000.16	273.17
084945	055271.23	-001.94	271.23
084950	055273.26	002.03	273.26
084955	055273.55	000.29	273.55
085000	055273.65	000.10	273.65
085005	055273.76	000.11	273.76
085010	055273.70	-000.06	273.70
085015	055273.74	000.04	273.74
085020	055273.69	-000.05	273.69
085025	055273.63	-000.06	273.63
085030	055273.58	-000.05	273.58
085035	055273.51	-000.07	273.51
085040	055273.32	-000.19	273.32
085045	055273.40	000.08	273.40
085050	055273.32	-000.08	273.32
085055	055273.34	000.02	273.34
085100	055273.36	000.02	273.36
085105	055273.37	000.01	273.37
085110	055273.36	-000.01	273.36
085115	055273.33	-000.03	273.33
085120	055273.40	000.07	273.40
085125	055273.47	000.07	273.47
085130	055273.37	-000.10	273.37
085135	055273.38	000.01	273.38
085140	055272.23	-001.15	272.23
085145	055273.43	001.20	273.43
085150	055273.29	-000.14	273.29
085155	055273.20	-000.09	273.20
085200	055273.17	-000.03	273.17
085205	055273.17	000.00	273.17

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
085210	055273.40	000.23	273.40
085215	055273.43	000.03	273.43
085220	055273.42	-000.01	273.42
085225	055273.60	000.18	273.60
085230	055273.68	000.08	273.68
085235	055273.74	000.06	273.74
085240	055273.88	000.14	273.88
085245	055273.80	-000.08	273.80
085250	055273.56	-000.24	273.56
085255	055273.45	-000.11	273.45
085300	055273.43	-000.02	273.43
085305	055273.04	-000.39	273.04
085310	055272.00	-001.04	272.00
085315	055275.89	003.89	275.89
085320	055271.69	-004.20	271.69
085325	055272.77	001.08	272.77
085330	055272.99	000.22	272.99
085335	055273.11	000.12	273.11
085340	055273.11	000.00	273.11
085345	055273.08	-000.03	273.08
085350	055273.06	-000.02	273.06
085355	055273.05	-000.01	273.05
085400	055272.97	-000.08	272.97
085405	055272.95	-000.02	272.95
085410	055272.87	-000.08	272.87
085415	055272.93	000.06	272.93
085420	055272.97	000.04	272.97
085425	055272.82	-000.15	272.82
085430	055272.77	-000.05	272.77
085435	055272.89	000.12	272.89
085440	055272.85	-000.04	272.85
085445	055272.71	-000.14	272.71
085450	055272.67	-000.04	272.67
085455	055272.70	000.03	272.70
085500	055272.39	-000.31	272.39
085505	055272.49	000.10	272.49
085510	055272.51	000.02	272.51
085515	055271.51	-001.00	271.51
085520	055272.59	001.08	272.59
085525	055272.48	-000.11	272.48
085530	055272.61	000.13	272.61
085535	055272.50	-000.11	272.50
085540	055272.49	-000.01	272.49
085545	055272.48	-000.01	272.48
085550	055272.53	000.05	272.53
085555	055272.58	000.05	272.58
085600	055272.56	-000.02	272.56
085605	055272.52	-000.04	272.52
085610	055272.47	-000.05	272.47
085615	055272.59	000.12	272.59
085620	055272.48	-000.11	272.48
085625	055272.47	-000.01	272.47
085630	055272.46	-000.01	272.46
085635	055272.38	-000.08	272.38

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
085640	055272.41	000.03	272.41
085645	055272.60	000.19	272.60
085650	055272.59	-000.01	272.59
085655	055272.56	-000.03	272.56
085700	055272.41	-000.15	272.41
085705	055272.49	000.08	272.49
085710	055272.37	-000.12	272.37
085715	055272.57	000.20	272.57
085720	055272.42	-000.15	272.42
085725	055272.19	-000.23	272.19
085730	055271.92	-000.27	271.92
085735	055261.26	-010.66	261.26
085740	055271.61	010.35	271.61
085745	055272.03	000.42	272.03
085750	055270.98	-001.05	270.98
085755	055272.20	001.22	272.20
085800	055272.23	000.03	272.23
085805	055272.26	000.03	272.26
085810	055272.27	000.01	272.27
085815	055272.12	-000.15	272.12
085820	055272.01	-000.11	272.01
085825	055271.99	-000.02	271.99
085830	055271.84	-000.15	271.84
085835	055271.86	000.02	271.86
085840	055271.96	000.10	271.96
085845	055271.88	-000.08	271.88
085850	055271.88	000.00	271.88
085855	055271.94	000.06	271.94
085900	055271.87	-000.07	271.87
085905	055271.93	000.06	271.93
085910	055271.95	000.02	271.95
085915	055272.04	000.09	272.04
085920	055272.07	000.03	272.07
085925	055271.94	-000.13	271.94
085930	055272.03	000.09	272.03
085935	055271.81	-000.22	271.81
085940	055271.75	-000.06	271.75
085945	055271.66	-000.09	271.66
085950	055271.62	-000.04	271.62
085955	055271.64	000.02	271.64
090000	055271.60	-000.04	271.60
090005	055271.31	-000.29	271.31
090010	055270.82	-000.49	270.82
090015	055271.53	000.71	271.53
090020	055271.59	000.06	271.59
090025	055271.58	-000.01	271.58
090030	055271.58	000.00	271.58
090035	055271.61	000.03	271.61
090040	055271.54	-000.07	271.54
090045	055271.64	000.10	271.64
090050	055271.38	-000.26	271.38
090055	055271.25	-000.13	271.25
090100	055271.80	000.55	271.80
090105	055271.96	000.16	271.96

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
090110	055272.06	000.10	272.06
090115	055272.13	000.07	272.13
090120	055272.07	-000.06	272.07
090125	055271.93	-000.14	271.93
090130	055271.92	-000.01	271.92
090135	055271.91	-000.01	271.91
090140	055271.89	-000.02	271.89
090145	055271.95	000.06	271.95
090150	055271.96	000.01	271.96
090155	055271.96	000.00	271.96
090200	055272.11	000.15	272.11
090205	055272.19	000.08	272.19
090210	055272.36	000.17	272.36
090215	055272.24	-000.12	272.24
090220	055272.34	000.10	272.34
090225	055272.34	000.00	272.34
090230	055272.07	-000.27	272.07
090235	055271.94	-000.13	271.94
090240	055271.81	-000.13	271.81
090245	055271.65	-000.16	271.65
090250	055270.91	-000.74	270.91
090255	055267.29	-003.62	267.29
090300	055269.95	002.66	269.95
090305	055271.25	001.30	271.25
090310	055271.42	000.17	271.42
090315	055271.24	-000.18	271.24
090320	055271.25	000.01	271.25
090325	055270.57	-000.68	270.57
090330	055271.04	000.47	271.04
090335	055271.19	000.15	271.19
090340	055271.13	-000.06	271.13
090345	055271.20	000.07	271.20
090350	055270.96	-000.24	270.96
090355	055271.04	000.08	271.04
090400	055271.19	000.15	271.19
090405	055271.22	000.03	271.22
090410	055271.24	000.02	271.24
090415	055271.24	000.00	271.24
090420	055271.38	000.14	271.38
090425	055271.45	000.07	271.45
090430	055271.48	000.03	271.48
090435	055271.51	000.03	271.51
090440	055271.62	000.11	271.62
090445	055271.59	-000.03	271.59
090450	055271.65	000.06	271.65
090455	055271.76	000.11	271.76
090500	055271.85	000.09	271.85
090505	055271.87	000.02	271.87
090510	055271.96	000.09	271.96
090515	055271.80	-000.16	271.80
090520	055271.63	-000.17	271.63
090525	055270.49	-001.14	270.49
090530	055271.46	000.97	271.46
090535	055271.22	-000.24	271.22

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
090540	055269.41	-001.81	269.41
090545	055271.13	001.72	271.13
090550	055271.13	000.00	271.13
090555	055270.43	-000.70	270.43
090600	055270.90	000.47	270.90
090605	055271.01	000.11	271.01
090610	055271.13	000.12	271.13
090615	055271.06	-000.07	271.06
090620	055271.06	000.00	271.06
090625	055271.02	-000.04	271.02
090630	055271.08	000.06	271.08
090635	055271.17	000.09	271.17
090640	055271.25	000.08	271.25
090645	055271.25	000.00	271.25
090650	055271.27	000.02	271.27
090655	055271.39	000.12	271.39
090700	055271.52	000.13	271.52
090705	055271.66	000.14	271.66
090710	055271.79	000.13	271.79
090715	055270.53	-001.26	270.53
090720	055271.22	000.69	271.22
090725	055271.89	000.67	271.89
090730	055272.00	000.11	272.00
090735	055271.80	-000.20	271.80
090740	055271.95	000.15	271.95
090745	055271.87	-000.08	271.87
090750	055271.73	-000.14	271.73
090755	055271.76	000.03	271.76
090800	055271.69	-000.07	271.69
090805	055271.72	000.03	271.72
090810	055271.69	-000.03	271.69
090815	055271.73	000.04	271.73
090820	055271.68	-000.05	271.68
090825	055271.58	-000.10	271.58
090830	055271.42	-000.16	271.42
090835	055271.26	-000.16	271.26
090840	055270.97	-000.29	270.97
090845	055268.16	-002.81	268.16
090850	055270.66	002.50	270.66
090855	055271.03	000.37	271.03
090900	055271.08	000.05	271.08
090905	055270.94	-000.14	270.94
090910	055270.81	-000.13	270.81
090915	055270.90	000.09	270.90
090920	055271.05	000.15	271.05
090925	055271.10	000.05	271.10
090930	055271.13	000.03	271.13
090935	055271.10	-000.03	271.10
090940	055271.06	-000.04	271.06
090945	055271.02	-000.04	271.02
090950	055270.96	-000.06	270.96
090955	055271.12	000.16	271.12
091000	055271.13	000.01	271.13
091005	055271.24	000.11	271.24

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
091010	055271.18	-000.06	271.18
091015	055271.24	000.06	271.24
091020	055271.09	-000.15	271.09
091025	055270.93	-000.16	270.93
091030	055270.84	-000.09	270.84
091035	055270.82	-000.02	270.82
091040	055270.85	000.03	270.85
091045	055270.80	-000.05	270.80
091050	055270.85	000.05	270.85
091055	055270.89	000.04	270.89
091100	055270.98	000.09	270.98
091105	055270.92	-000.06	270.92
091110	055270.94	000.02	270.94
091115	055270.98	000.04	270.98
091120	055270.94	-000.04	270.94
091125	055270.89	-000.05	270.89
091130	055270.82	-000.07	270.82
091135	055270.74	-000.08	270.74
091140	055270.64	-000.10	270.64
091145	055270.74	000.10	270.74
091150	055270.79	000.05	270.79
091155	055270.95	000.16	270.95
091200	055271.06	000.11	271.06
091205	055271.06	000.00	271.06
091210	055270.99	-000.07	270.99
091215	055271.04	000.05	271.04
091220	055271.13	000.09	271.13
091225	055271.03	-000.10	271.03
091230	055271.08	000.05	271.08
091235	055271.06	-000.02	271.06
091240	055271.00	-000.06	271.00
091245	055270.91	-000.09	270.91
091250	055270.89	-000.02	270.89
091255	055270.97	000.08	270.97
091300	055270.84	-000.13	270.84
091305	055270.93	000.09	270.93
091310	055270.87	-000.06	270.87
091315	055270.84	-000.03	270.84
091320	055271.03	000.19	271.03
091325	055270.90	-000.13	270.90
091330	055270.77	-000.13	270.77
091335	055270.79	000.02	270.79
091340	055270.71	-000.08	270.71
091345	055270.44	-000.27	270.44
091350	055270.54	000.10	270.54
091355	055270.42	-000.12	270.42
091400	055270.10	-000.32	270.10
091405	055270.15	000.05	270.15
091410	055270.14	-000.01	270.14
091415	055270.17	000.03	270.17
091420	055270.14	-000.03	270.14
091425	055270.10	-000.04	270.10
091430	055269.65	-000.45	269.65
091435	055269.51	-000.14	269.51

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
091440	055269.71	000.20	269.71
091445	055269.80	000.09	269.80
091450	055269.20	-000.60	269.20
091455	055261.12	-008.08	261.12
091500	055269.57	008.45	269.57
091505	055269.63	000.06	269.63
091510	055269.69	000.06	269.69
091515	055269.92	000.23	269.92
091520	055269.95	000.03	269.95
091525	055270.01	000.06	270.01
091530	055270.06	000.05	270.06
091535	055270.23	000.17	270.23
091540	055270.25	000.02	270.25
091545	055270.32	000.07	270.32
091550	055270.40	000.08	270.40
091555	055270.43	000.03	270.43
091600	055270.60	000.17	270.60
091605	055270.75	000.15	270.75
091610	055270.85	000.10	270.85
091615	055270.78	-000.07	270.78
091620	055270.75	-000.03	270.75
091625	055270.71	-000.04	270.71
091630	055270.55	-000.16	270.55
091635	055270.58	000.03	270.58
091640	055270.56	-000.02	270.56
091645	055270.36	-000.20	270.36
091650	055270.20	-000.16	270.20
091655	055270.05	-000.15	270.05
091700	055269.96	-000.09	269.96
091705	055269.73	-000.23	269.73
091710	055269.73	000.00	269.73
091715	055269.72	-000.01	269.72
091720	055269.74	000.02	269.74
091725	055269.91	000.17	269.91
091730	055269.99	000.08	269.99
091735	055269.99	000.00	269.99
091740	055270.01	000.02	270.01
091745	055270.09	000.08	270.09
091750	055270.13	000.04	270.13
091755	055270.14	000.01	270.14
091800	055270.14	000.00	270.14
091805	055270.10	-000.04	270.10
091810	055270.03	-000.07	270.03
091815	055270.01	-000.02	270.01
091820	055270.03	000.02	270.03
091825	055270.08	000.05	270.08
091830	055269.40	-000.68	269.40
091835	055269.80	000.40	269.80
091840	055270.22	000.42	270.22
091845	055270.34	000.12	270.34
091850	055270.35	000.01	270.35
091855	055270.36	000.01	270.36
091900	055270.39	000.03	270.39
091905	055270.37	-000.02	270.37

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
091910	055270.39	000.02	270.39
091915	055270.30	-000.09	270.30
091920	055270.25	-000.05	270.25
091925	055269.92	-000.33	269.92
091930	055269.83	-000.09	269.83
091935	055269.15	-000.68	269.15
091940	055269.61	000.46	269.61
091945	055269.71	000.10	269.71
091950	055269.79	000.08	269.79
091955	055269.83	000.04	269.83
092000	055269.94	000.11	269.94
092005	055269.99	000.05	269.99
092010	055270.14	000.15	270.14
092015	055270.19	000.05	270.19
092020	055269.47	-000.72	269.47
092025	055269.56	000.09	269.56
092030	055270.27	000.71	270.27
092035	055270.17	-000.10	270.17
092040	055269.28	-000.89	269.28
092045	055270.41	001.13	270.41
092050	055270.49	000.08	270.49
092055	055270.60	000.11	270.60
092100	055270.55	-000.05	270.55
092105	055270.47	-000.08	270.47
092110	055269.62	-000.85	269.62
092115	055266.63	-002.99	266.63
092120	055269.67	003.04	269.67
092125	055270.66	000.99	270.66
092130	055270.87	000.21	270.87
092135	055271.00	000.13	271.00
092140	055270.91	-000.09	270.91
092145	055270.80	-000.11	270.80
092150	055270.60	-000.20	270.60
092155	055269.28	-001.32	269.28
092200	055270.20	000.92	270.20
092205	055270.34	000.14	270.34
092210	055270.10	-000.24	270.10
092215	055270.01	-000.09	270.01
092220	055270.07	000.06	270.07
092225	055270.07	000.00	270.07
092230	055270.02	-000.05	270.02
092235	055270.13	000.11	270.13
092240	055270.12	-000.01	270.12
092245	055270.19	000.07	270.19
092250	055270.22	000.03	270.22
092255	055270.21	-000.01	270.21
092300	055270.21	000.00	270.21
092305	055270.39	000.18	270.39
092310	055270.32	-000.07	270.32
092315	055270.38	000.06	270.38
092320	055270.23	-000.15	270.23
092325	055270.01	-000.22	270.01
092330	055269.91	-000.10	269.91
092335	055269.95	000.04	269.95

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
092340	055269.62	-000.33	269.62
092345	055269.75	000.13	269.75
092350	055270.10	000.35	270.10
092355	055270.11	000.01	270.11
092400	055270.47	000.36	270.47
092405	055270.64	000.17	270.64
092410	055270.92	000.28	270.92
092415	055270.87	-000.05	270.87
092420	055270.97	000.10	270.97
092425	055271.21	000.24	271.21
092430	055271.21	000.00	271.21
092435	055271.20	-000.01	271.20
092440	055271.25	000.05	271.25
092445	055270.70	-000.55	270.70
092450	055271.05	000.35	271.05
092455	055271.24	000.19	271.24
092500	055271.28	000.04	271.28
092505	055271.17	-000.11	271.17
092510	055270.87	-000.30	270.87
092515	055270.84	-000.03	270.84
092520	055270.81	-000.03	270.81
092525	055270.39	-000.42	270.39
092530	055269.74	-000.65	269.74
092535	055270.67	000.93	270.67
092540	055270.90	000.23	270.90
092545	055270.72	-000.18	270.72
092550	055270.56	-000.16	270.56
092555	055270.66	000.10	270.66
092600	055270.51	-000.15	270.51
092605	055269.80	-000.71	269.80
092610	055270.24	000.44	270.24
092615	055270.32	000.08	270.32
092620	055270.36	000.04	270.36
092625	055270.18	-000.18	270.18
092630	055270.22	000.04	270.22
092635	055270.20	-000.02	270.20
092640	055270.12	-000.08	270.12
092645	055270.30	000.18	270.30
092650	055270.38	000.08	270.38
092655	055270.54	000.16	270.54
092700	055270.59	000.05	270.59
092705	055270.52	-000.07	270.52
092710	055270.46	-000.06	270.46
092715	055270.44	-000.02	270.44
092720	055270.31	-000.13	270.31
092725	055270.41	000.10	270.41
092730	055270.13	-000.28	270.13
092735	055270.24	000.11	270.24
092740	055270.22	-000.02	270.22
092745	055270.23	000.01	270.23
092750	055270.27	000.04	270.27
092755	055270.28	000.01	270.28
092800	055270.06	-000.22	270.06
092805	055269.80	-000.26	269.80

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
092810	055268.76	-001.04	268.76
092815	055262.04	-006.72	262.04
092820	055267.65	005.61	267.65
092825	055268.46	000.81	268.46
092830	055269.34	000.88	269.34
092835	055269.39	000.05	269.39
092840	055269.38	-000.01	269.38
092845	055269.30	-000.08	269.30
092850	055269.41	000.11	269.41
092855	055269.40	-000.01	269.40
092900	055269.04	-000.36	269.04
092905	055267.81	-001.23	267.81
092910	055269.31	001.50	269.31
092915	055269.45	000.14	269.45
092920	055269.52	000.07	269.52
092925	055269.43	-000.09	269.43
092930	055269.37	-000.06	269.37
092935	055269.14	-000.23	269.14
092940	055269.15	000.01	269.15
092945	055269.06	-000.09	269.06
092950	055268.78	-000.28	268.78
092955	055268.75	-000.03	268.75
093000	055268.80	000.05	268.80
093005	055268.66	-000.14	268.66
093010	055268.71	000.05	268.71
093015	055268.71	000.00	268.71
093020	055268.67	-000.04	268.67
093025	055268.76	000.09	268.76
093030	055268.83	000.07	268.83
093035	055268.66	-000.17	268.66
093040	055268.79	000.13	268.79
093045	055268.75	-000.04	268.75
093050	055268.71	-000.04	268.71
093055	055268.54	-000.17	268.54
093100	055266.60	-001.94	266.60
093105	055268.55	001.95	268.55
093110	055268.58	000.03	268.58
093115	055268.65	000.07	268.65
093120	055268.77	000.12	268.77
093125	055268.63	-000.14	268.63
093130	055267.55	-001.08	267.55
093135	055268.49	000.94	268.49
093140	055268.49	000.00	268.49
093145	055268.56	000.07	268.56
093150	055268.40	-000.16	268.40
093155	055267.29	-001.11	267.29
093200	055267.62	000.33	267.62
093205	055268.35	000.73	268.35
093210	055267.91	-000.44	267.91
093215	055268.24	000.33	268.24
093220	055268.55	000.31	268.55
093225	055268.60	000.05	268.60
093230	055268.59	-000.01	268.59
093235	055268.69	000.10	268.69

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
093240	055268.63	-000.06	268.63
093245	055268.48	-000.15	268.48
093250	055267.18	-001.30	267.18
093255	055267.50	000.32	267.50
093300	055268.25	000.75	268.25
093305	055268.31	000.06	268.31
093310	055268.26	-000.05	268.26
093315	055268.41	000.15	268.41
093320	055268.43	000.02	268.43
093325	055268.37	-000.06	268.37
093330	055268.46	000.09	268.46
093335	055268.43	-000.03	268.43
093340	055268.47	000.04	268.47
093345	055268.42	-000.05	268.42
093350	055268.41	-000.01	268.41
093355	055268.17	-000.24	268.17
093400	055267.93	-000.24	267.93
093405	055268.27	000.34	268.27
093410	055268.20	-000.07	268.20
093415	055268.35	000.15	268.35
093420	055268.37	000.02	268.37
093425	055268.29	-000.08	268.29
093430	055268.27	-000.02	268.27
093435	055268.22	-000.05	268.22
093440	055268.27	000.05	268.27
093445	055268.28	000.01	268.28
093450	055268.31	000.03	268.31
093455	055268.19	-000.12	268.19
093500	055268.17	-000.02	268.17
093505	055268.14	-000.03	268.14
093510	055268.06	-000.08	268.06
093515	055268.20	000.14	268.20
093520	055268.34	000.14	268.34
093525	055268.28	-000.06	268.28
093530	055268.39	000.11	268.39
093535	055268.39	000.00	268.39
093540	055268.40	000.01	268.40
093545	055268.19	-000.21	268.19
093550	055266.04	-002.15	266.04
093555	055262.81	-003.23	262.81
093600	055267.97	005.16	267.97
093605	055268.07	000.10	268.07
093610	055268.13	000.06	268.13
093615	055268.21	000.08	268.21
093620	055268.25	000.04	268.25
093625	055268.32	000.07	268.32
093630	055268.07	-000.25	268.07
093635	055268.08	000.01	268.08
093640	055268.22	000.14	268.22
093645	055268.16	-000.06	268.16
093650	055268.15	-000.01	268.15
093655	055268.03	-000.12	268.03
093700	055268.03	000.00	268.03
093705	055267.87	-000.16	267.87

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
093710	055267.50	-000.37	267.50
093715	055267.49	-000.01	267.49
093720	055268.06	000.57	268.06
093725	055268.05	-000.01	268.05
093730	055268.09	000.04	268.09
093735	055268.18	000.09	268.18
093740	055268.24	000.06	268.24
093745	055268.23	-000.01	268.23
093750	055267.95	-000.28	267.95
093755	055267.40	-000.55	267.40
093800	055267.86	000.46	267.86
093805	055267.89	000.03	267.89
093810	055267.88	-000.01	267.88
093815	055267.83	-000.05	267.83
093820	055267.83	000.00	267.83
093825	055267.89	000.06	267.89
093830	055267.89	000.00	267.89
093835	055267.91	000.02	267.91
093840	055267.90	-000.01	267.90
093845	055267.88	-000.02	267.88
093850	055267.87	-000.01	267.87
093855	055267.80	-000.07	267.80
093900	055267.69	-000.11	267.69
093905	055267.69	000.00	267.69
093910	055267.58	-000.11	267.58
093915	055267.59	000.01	267.59
093920	055267.65	000.06	267.65
093925	055267.69	000.04	267.69
093930	055267.67	-000.02	267.67
093935	055267.65	-000.02	267.65
093940	055267.59	-000.06	267.59
093945	055267.46	-000.13	267.46
093950	055267.32	-000.14	267.32
093955	055266.50	-000.82	266.50
094000	055267.27	000.77	267.27
094005	055267.26	-000.01	267.26
094010	055267.44	000.18	267.44
094015	055267.46	000.02	267.46
094020	055267.47	000.01	267.47
094025	055267.50	000.03	267.50
094030	055267.53	000.03	267.53
094035	055267.59	000.06	267.59
094040	055267.53	-000.06	267.53
094045	055267.46	-000.07	267.46
094050	055267.36	-000.10	267.36
094055	055267.32	-000.04	267.32
094100	055267.29	-000.03	267.29
094105	055267.34	000.05	267.34
094110	055267.37	000.03	267.37
094115	055267.37	000.00	267.37
094120	055267.42	000.05	267.42
094125	055267.46	000.04	267.46
094130	055267.38	-000.08	267.38
094135	055267.43	000.05	267.43

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
094140	055267.36	-000.07	267.36
094145	055267.30	-000.06	267.30
094150	055267.28	-000.02	267.28
094155	055267.20	-000.08	267.20
094200	055267.06	-000.14	267.06
094205	055266.63	-000.43	266.63
094210	055263.50	-003.13	263.50
094215	055265.31	001.81	265.31
094220	055267.16	001.85	267.16
094225	055267.35	000.19	267.35
094230	055267.40	000.05	267.40
094235	055267.10	-000.30	267.10
094240	055267.31	000.21	267.31
094245	055267.49	000.18	267.49
094250	055267.51	000.02	267.51
094255	055267.53	000.02	267.53
094300	055267.42	-000.11	267.42
094305	055267.44	000.02	267.44
094310	055267.44	000.00	267.44
094315	055267.43	-000.01	267.43
094320	055267.44	000.01	267.44
094325	055267.53	000.09	267.53
094330	055267.51	-000.02	267.51
094335	055267.46	-000.05	267.46
094340	055267.50	000.04	267.50
094345	055267.44	-000.06	267.44
094350	055266.36	-001.08	266.36
094355	055267.41	001.05	267.41
094400	055267.27	-000.14	267.27
094405	055267.37	000.10	267.37
094410	055267.31	-000.06	267.31
094415	055267.27	-000.04	267.27
094420	055267.21	-000.06	267.21
094425	055267.16	-000.05	267.16
094430	055267.24	000.08	267.24
094435	055267.25	000.01	267.25
094440	055267.33	000.08	267.33
094445	055267.34	000.01	267.34
094450	055267.29	-000.05	267.29
094455	055267.29	000.00	267.29
094500	055267.33	000.04	267.33
094505	055267.30	-000.03	267.30
094510	055267.15	-000.15	267.15
094515	055267.19	000.04	267.19
094520	055267.20	000.01	267.20
094525	055267.18	-000.02	267.18
094530	055267.15	-000.03	267.15
094535	055267.15	000.00	267.15
094540	055267.19	000.04	267.19
094545	055267.22	000.03	267.22
094550	055267.19	-000.03	267.19
094555	055267.19	000.00	267.19
094600	055267.21	000.02	267.21
094605	055267.14	-000.07	267.14

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
094610	055267.17	000.03	267.17
094615	055267.17	000.00	267.17
094620	055267.08	-000.09	267.08
094625	055267.08	000.00	267.08
094630	055267.01	-000.07	267.01
094635	055267.05	000.04	267.05
094640	055267.04	-000.01	267.04
094645	055266.78	-000.26	266.78
094650	055265.08	-001.70	265.08
094655	055257.46	-007.62	257.46
094700	055266.03	008.57	266.03
094705	055267.09	001.06	267.09
094710	055267.05	-000.04	267.05
094715	055267.15	000.10	267.15
094720	055267.20	000.05	267.20
094725	055267.28	000.08	267.28
094730	055267.28	000.00	267.28
094735	055267.25	-000.03	267.25
094740	055266.81	-000.44	266.81
094745	055266.79	-000.02	266.79
094750	055267.28	000.49	267.28
094755	055267.29	000.01	267.29
094800	055267.24	-000.05	267.24
094805	055267.20	-000.04	267.20
094810	055267.33	000.13	267.33
094815	055267.26	-000.07	267.26
094820	055267.28	000.02	267.28
094825	055267.19	-000.09	267.19
094830	055267.16	-000.03	267.16
094835	055267.29	000.13	267.29
094840	055267.31	000.02	267.31
094845	055267.25	-000.06	267.25
094850	055266.74	-000.51	266.74
094855	055264.96	-001.78	264.96
094900	055267.01	002.05	267.01
094905	055267.16	000.15	267.16
094910	055267.17	000.01	267.17
094915	055267.17	000.00	267.17
094920	055267.18	000.01	267.18
094925	055267.23	000.05	267.23
094930	055267.22	-000.01	267.22
094935	055267.15	-000.07	267.15
094940	055267.19	000.04	267.19
094945	055267.12	-000.07	267.12
094950	055267.06	-000.06	267.06
094955	055267.08	000.02	267.08
095000	055267.02	-000.06	267.02
095005	055267.01	-000.01	267.01
095010	055267.00	-000.01	267.00
095015	055266.89	-000.11	266.89
095020	055266.97	000.08	266.97
095025	055266.99	000.02	266.99
095030	055266.86	-000.13	266.86
095035	055266.39	-000.47	266.39

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
095040	055266.14	-000.25	266.14
095045	055266.35	000.21	266.35
095050	055266.63	000.28	266.63
095055	055266.88	000.25	266.88
095100	055266.88	000.00	266.88
095105	055266.92	000.04	266.92
095110	055266.92	000.00	266.92
095115	055267.00	000.08	267.00
095120	055267.06	000.06	267.06
095125	055267.21	000.15	267.21
095130	055267.21	000.00	267.21
095135	055267.20	-000.01	267.20
095140	055267.17	-000.03	267.17
095145	055267.08	-000.09	267.08
095150	055266.86	-000.22	266.86
095155	055266.29	-000.57	266.29
095200	055264.20	-002.09	264.20
095205	055264.33	000.13	264.33
095210	055266.32	001.99	266.32
095215	055266.83	000.51	266.83
095220	055266.95	000.12	266.95
095225	055267.05	000.10	267.05
095230	055266.95	-000.10	266.95
095235	055267.00	000.05	267.00
095240	055266.94	-000.06	266.94
095245	055266.85	-000.09	266.85
095250	055266.83	-000.02	266.83
095255	055266.70	-000.13	266.70
095300	055266.71	000.01	266.71
095305	055266.71	000.00	266.71
095310	055266.70	-000.01	266.70
095315	055266.72	000.02	266.72
095320	055266.81	000.09	266.81
095325	055266.77	-000.04	266.77
095330	055266.80	000.03	266.80
095335	055266.85	000.05	266.85
095340	055266.91	000.06	266.91
095345	055266.93	000.02	266.93
095350	055266.80	-000.13	266.80
095355	055266.83	000.03	266.83
095400	055266.81	-000.02	266.81
095405	055266.79	-000.02	266.79
095410	055266.66	-000.13	266.66
095415	055264.76	-001.90	264.76
095420	055266.64	001.88	266.64
095425	055266.65	000.01	266.65
095430	055266.65	000.00	266.65
095435	055266.61	-000.04	266.61
095440	055266.57	-000.04	266.57
095445	055266.58	000.01	266.58
095450	055266.41	-000.17	266.41
095455	055266.57	000.16	266.57
095500	055266.51	-000.06	266.51
095505	055266.46	-000.05	266.46

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
095510	055266.24	-000.22	266.24
095515	055266.27	000.03	266.27
095520	055266.05	-000.22	266.05
095525	055265.26	-000.79	265.26
095530	055263.93	-001.33	263.93
095535	055265.17	001.24	265.17
095540	055265.42	000.25	265.42
095545	055266.28	000.86	266.28
095550	055266.21	-000.07	266.21
095555	055266.29	000.08	266.29
095600	055266.34	000.05	266.34
095605	055266.41	000.07	266.41
095610	055266.33	-000.08	266.33
095615	055266.31	-000.02	266.31
095620	055266.34	000.03	266.34
095625	055266.28	-000.06	266.28
095630	055266.22	-000.06	266.22
095635	055266.07	-000.15	266.07
095640	055266.13	000.06	266.13
095645	055265.96	-000.17	265.96
095650	055265.80	-000.16	265.80
095655	055265.78	-000.02	265.78
095700	055265.95	000.17	265.95
095705	055265.81	-000.14	265.81
095710	055265.92	000.11	265.92
095715	055265.82	-000.10	265.82
095720	055264.62	-001.20	264.62
095725	055265.74	001.12	265.74
095730	055265.73	-000.01	265.73
095735	055265.61	-000.12	265.61
095740	055265.64	000.03	265.64
095745	055265.55	-000.09	265.55
095750	055265.72	000.17	265.72
095755	055265.36	-000.36	265.36
095800	055255.63	-009.73	255.63
095805	055265.64	010.01	265.64
095810	055265.95	000.31	265.95
095815	055265.98	000.03	265.98
095820	055266.19	000.21	266.19
095825	055266.13	-000.06	266.13
095830	055265.98	-000.15	265.98
095835	055265.79	-000.19	265.79
095840	055265.88	000.09	265.88
095845	055265.96	000.08	265.96
095850	055264.79	-001.17	264.79
095855	055265.99	001.20	265.99
095900	055266.26	000.27	266.26
095905	055266.42	000.16	266.42
095910	055266.47	000.05	266.47
095915	055266.54	000.07	266.54
095920	055266.46	-000.08	266.46
095925	055266.48	000.02	266.48
095930	055266.51	000.03	266.51
095935	055266.28	-000.23	266.28

TIME	UNREDUCED TOT FLD (nT)	Δ W/TIME (nT)[1]	Σ Δ DATUM (nT)[2]
095940	055265.51	-000.77	265.51
095945	055266.29	000.78	266.29
095950	055266.42	000.13	266.42
095955	055266.38	-000.04	266.38
100000	055266.34	-000.04	266.34
100005	055266.32	-000.02	266.32
100010	055266.21	-000.11	266.21
100015	055266.21	000.00	266.21
100020	055266.28	000.07	266.28
100025	055266.40	000.12	266.40
100030	055266.52	000.12	266.52
100035	055266.63	000.11	266.63
100040	055266.69	000.06	266.69
100045	055266.57	-000.12	266.57
100050	055266.49	-000.08	266.49
100055	055266.62	000.13	266.62
100100	055266.56	-000.06	266.56
100105	055266.64	000.08	266.64
100110	055266.80	000.16	266.80
100115	055265.83	-000.97	265.83
100120	055266.43	000.60	266.43
100125	055265.65	-000.78	265.65
100130	055266.09	000.44	266.09
100135	055266.40	000.31	266.40

[1] Each succeeding value is the difference between preceding value and the current value.

[2] Cumulative difference of preceding column.

APPENDIX D.7.

ELECTROMAGNETIC (EM-31) HORIZONTAL DIPOLE DATA FOR AREA J SURVEY

MOUND AREA J SURVEY
HORIZONTAL DIPOLE

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
0.000	330.000	-769.562	-17.901
0.000	325.000	38.574	-17.780
0.000	320.000	41.626	-18.577
0.000	315.000	40.740	-18.022
0.000	310.000	-765.289	-18.133
0.000	305.000	-712.524	-18.197
0.000	300.000	-776.336	-18.083
0.000	295.000	-797.180	-18.168
0.000	290.000	-614.240	-17.909
0.000	285.000	-608.106	-18.102
0.000	280.000	-606.883	-17.938
0.000	275.000	50.872	-15.992
0.000	270.000	-763.122	-17.881
0.000	265.000	-742.828	-17.837
0.000	260.000	-698.882	-18.182
0.000	255.000	49.468	-18.197
0.000	250.000	49.408	-18.357
0.000	245.000	48.492	-18.157
0.000	240.000	51.484	-18.489
0.000	235.000	52.368	-18.250
0.000	230.000	59.784	-18.405
0.000	225.000	59.722	-18.555
0.000	220.000	52.612	-18.441
0.000	215.000	44.648	-18.649
0.000	210.000	38.086	-17.493
0.000	205.000	36.774	-17.831
0.000	200.000	37.322	-18.381
0.000	195.000	36.408	-18.515
0.000	190.000	38.270	-18.849
0.000	185.000	34.150	-18.311
0.000	180.000	31.982	-18.068
0.000	175.000	31.982	-18.236
0.000	170.000	31.128	-17.966
0.000	165.000	35.552	-18.015
0.000	160.000	40.252	-17.936
-10.000	100.000	48.890	-15.375
-10.000	105.000	44.036	-16.350
-10.000	110.000	37.598	-17.815
-10.000	115.000	40.832	-18.135
-10.000	120.000	37.048	-17.692
-10.000	125.000	45.044	-18.633
-10.000	130.000	44.616	-18.168
-10.000	135.000	35.278	-15.783
-10.000	140.000	38.238	-19.259
-10.000	145.000	33.570	-17.589
-10.000	150.000	30.152	-17.749

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-10.000	155.000	30.822	-17.828
-10.000	160.000	31.738	-18.008
-10.000	165.000	34.028	-18.177
-10.000	170.000	36.468	-17.953
-10.000	175.000	34.118	-18.169
-10.000	180.000	33.630	-18.221
-10.000	185.000	32.776	-18.260
-10.000	190.000	33.570	-17.874
-10.000	195.000	34.088	-18.186
-10.000	200.000	33.600	-17.492
-10.000	205.000	30.488	-17.190
-10.000	210.000	29.602	-17.842
-10.000	215.000	33.814	-18.212
-10.000	220.000	35.552	-18.441
-10.000	225.000	39.460	-18.713
-10.000	230.000	37.964	-17.960
-10.000	235.000	41.474	-16.411
-10.000	240.000	39.672	-16.000
-10.000	245.000	42.084	-17.589
-10.000	250.000	45.654	-17.848
-10.000	255.000	43.488	-18.012
-10.000	260.000	37.902	-18.122
-10.000	265.000	42.176	-18.197
-10.000	270.000	42.968	-18.021
-10.000	275.000	41.474	-18.373
-10.000	280.000	43.212	-18.214
-10.000	285.000	42.236	-18.261
-10.000	290.000	42.144	-18.199
-10.000	295.000	42.298	-18.131
-10.000	300.000	40.986	-17.789
-10.000	305.000	41.320	-17.894
-10.000	310.000	40.222	-17.699
-10.000	315.000	40.864	-17.767
-10.000	320.000	39.338	-17.782
-10.000	325.000	39.550	-17.749
-10.000	330.000	39.062	-17.918
-20.000	330.000	34.606	-17.936
-20.000	325.000	34.760	-18.019
-20.000	320.000	35.064	-18.109
-20.000	315.000	34.576	-18.151
-20.000	310.000	37.842	-18.543
-20.000	305.000	39.490	-18.381
-20.000	300.000	44.464	-18.728
-20.000	295.000	37.170	-18.535
-20.000	290.000	38.116	-18.454
-20.000	285.000	43.274	-17.936
-20.000	280.000	42.724	-18.070
-20.000	275.000	41.810	-18.311
-20.000	270.000	38.696	-18.046
-20.000	265.000	38.422	-18.127

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-20.000	260.000	35.828	-18.010
-20.000	255.000	35.400	-16.496
-20.000	250.000	35.218	-16.635
-20.000	245.000	40.192	-16.233
-20.000	240.000	42.450	-16.790
-20.000	235.000	21.332	-17.866
-20.000	230.000	-380.217	-17.958
-20.000	225.000	-455.262	-17.650
-20.000	220.000	-727.356	-17.861
-20.000	215.000	-700.255	-18.278
-20.000	210.000	-770.812	-18.441
-20.000	205.000	35.706	-17.126
-20.000	200.000	35.492	-16.889
-20.000	195.000	39.490	-18.006
-20.000	190.000	38.482	-17.752
-20.000	185.000	35.798	-18.302
-20.000	180.000	35.828	-17.991
-20.000	175.000	39.306	-18.761
-20.000	170.000	36.744	-18.037
-20.000	165.000	-383.758	-17.372
-20.000	160.000	31.372	-16.685
-20.000	155.000	-680.084	-17.051
-20.000	150.000	26.642	-17.078
-20.000	145.000	27.648	-17.300
-20.000	140.000	27.984	-17.563
-20.000	135.000	30.792	-17.817
-20.000	130.000	32.196	-17.662
-20.000	125.000	33.294	-17.613
-20.000	120.000	-721.984	-16.949
-20.000	115.000	-724.670	-17.583
-20.000	110.000	35.248	-17.653
-20.000	105.000	-723.938	-16.935
-20.000	100.000	-723.266	-15.544
-20.000	95.000	-639.892	-15.614
-20.000	90.000	42.846	-16.378
-20.000	85.000	-730.378	-16.769
-20.000	80.000	-391.754	-16.845
-20.000	75.000	-394.653	-16.834
-20.000	70.000	-720.672	-17.304
-20.000	65.000	-650.086	-17.828
-20.000	60.000	-701.538	-17.958
-20.000	55.000	-703.948	-17.918
-20.000	50.000	45.044	-17.447
-30.000	0.000	33.692	-18.012
-30.000	5.000	33.478	-17.872
-30.000	10.000	33.294	-17.741
-30.000	15.000	34.240	-17.604
-30.000	20.000	33.326	-17.466
-30.000	25.000	35.248	-16.529
-30.000	30.000	40.864	-16.599

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-30.000	35.000	39.886	-14.989
-30.000	40.000	39.246	-14.443
-30.000	45.000	42.664	-15.112
-30.000	50.000	42.542	-15.527
-30.000	55.000	43.792	-16.751
-30.000	60.000	46.662	-16.545
-30.000	65.000	32.166	-16.464
-30.000	70.000	35.584	-16.775
-30.000	75.000	41.442	-16.847
-30.000	80.000	36.590	-17.036
-30.000	85.000	29.938	-16.321
-30.000	90.000	27.008	-15.812
-30.000	95.000	27.740	-15.981
-30.000	100.000	29.816	-16.218
-30.000	105.000	28.198	-17.938
-30.000	110.000	30.364	-16.565
-30.000	115.000	48.554	2.036
-30.000	120.000	83.100	5.533
-30.000	125.000	145.478	35.748
-30.000	130.000	35.614	-15.939
-30.000	135.000	34.546	-16.404
-30.000	140.000	32.806	-15.430
-30.000	145.000	39.520	-12.789
-30.000	150.000	43.610	-10.461
-30.000	155.000	42.602	-10.296
-30.000	160.000	40.344	-14.326
-30.000	165.000	40.924	-15.408
-30.000	170.000	42.298	-16.367
-30.000	175.000	40.374	-17.613
-30.000	180.000	37.902	-18.024
-30.000	185.000	41.230	-17.841
-30.000	190.000	44.342	-18.059
-30.000	195.000	45.350	-17.616
-30.000	200.000	45.594	-16.512
-30.000	205.000	45.288	-17.001
-30.000	210.000	46.052	-17.745
-30.000	215.000	44.586	-17.550
-30.000	220.000	43.426	-17.660
-30.000	225.000	38.758	-17.514
-30.000	230.000	35.858	-17.130
-30.000	235.000	34.028	-17.642
-30.000	240.000	31.708	-17.276
-30.000	245.000	29.114	-17.806
-30.000	250.000	29.052	-18.355
-30.000	255.000	32.012	-17.662
-30.000	260.000	33.294	-17.934
-30.000	265.000	36.468	-17.762
-30.000	270.000	39.002	-18.010
-30.000	275.000	41.046	-17.887
-30.000	280.000	47.424	-17.967
-30.000	285.000	46.998	-18.405

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-30.000	290.000	39.216	-19.188
-30.000	295.000	41.810	-18.173
-30.000	300.000	41.230	-17.723
-30.000	305.000	36.072	-17.684
-30.000	310.000	35.004	-17.521
-30.000	315.000	35.552	-17.493
-30.000	320.000	33.020	-17.631
-30.000	325.000	32.166	-17.679
-30.000	330.000	33.050	-17.583
-40.000	330.000	28.840	-17.844
-40.000	325.000	29.358	-18.041
-40.000	320.000	29.388	-17.890
-40.000	315.000	30.090	-17.848
-40.000	310.000	32.288	-17.975
-40.000	305.000	32.136	-17.521
-40.000	300.000	17.670	-15.687
-40.000	295.000	36.072	-19.820
-40.000	290.000	34.546	-18.094
-40.000	285.000	36.408	-17.745
-40.000	280.000	36.254	-17.831
-40.000	275.000	38.880	-17.438
-40.000	270.000	38.086	-18.006
-40.000	265.000	36.590	-17.934
-40.000	260.000	35.858	-18.109
-40.000	255.000	33.326	-17.951
-40.000	250.000	33.448	-17.758
-40.000	245.000	32.044	-17.326
-40.000	240.000	32.746	-17.543
-40.000	235.000	46.326	-15.546
-40.000	230.000	34.240	-17.881
-40.000	225.000	37.720	-17.850
-40.000	220.000	40.710	-17.863
-40.000	215.000	43.640	-17.982
-40.000	210.000	45.654	-17.350
-40.000	205.000	45.654	-17.973
-40.000	200.000	45.868	-18.160
-40.000	195.000	43.914	-18.327
-40.000	190.000	43.182	-17.831
-40.000	185.000	42.480	-18.285
-40.000	180.000	38.482	-18.012
-40.000	175.000	38.116	-17.362
-40.000	170.000	39.612	-16.431
-40.000	165.000	42.236	-14.184
-40.000	160.000	47.852	-10.257
-40.000	155.000	52.948	-9.377
-40.000	150.000	66.834	-9.236
-40.000	145.000	75.408	-10.263
-40.000	140.000	68.084	-13.115
-40.000	135.000	53.162	-14.991
-40.000	130.000	38.910	-16.806

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-40.000	125.000	35.888	-16.483
-40.000	120.000	31.250	-16.148
-40.000	115.000	27.984	-17.115
-40.000	110.000	26.124	-17.449
-40.000	105.000	26.580	-17.264
-40.000	100.000	31.830	-13.943
-40.000	95.000	33.630	-13.600
-40.000	90.000	36.866	-11.614
-40.000	85.000	32.226	-14.403
-40.000	80.000	30.822	-15.424
-40.000	75.000	32.166	-16.264
-40.000	70.000	35.034	-16.586
-40.000	65.000	37.476	-16.608
-40.000	60.000	44.158	-15.683
-40.000	55.000	48.522	-14.522
-40.000	50.000	46.142	-12.828
-40.000	45.000	45.806	-10.031
-40.000	40.000	48.522	-6.255
-40.000	35.000	43.366	-9.368
-40.000	30.000	43.182	-8.188
-40.000	25.000	38.330	-13.186
-40.000	20.000	38.544	-17.820
-40.000	15.000	37.628	-17.362
-40.000	10.000	36.622	-17.852
-40.000	5.000	36.132	-15.046
-40.000	0.000	36.072	-18.769
-50.000	0.000	31.372	-17.921
-50.000	5.000	28.870	-17.056
-50.000	10.000	34.912	-17.679
-50.000	15.000	36.438	-17.925
-50.000	20.000	36.164	-16.768
-50.000	25.000	38.452	-15.474
-50.000	30.000	33.600	-17.892
-50.000	35.000	39.276	-15.860
-50.000	40.000	290.220	45.453
-50.000	45.000	76.110	2.626
-50.000	50.000	56.518	-3.735
-50.000	55.000	86.700	4.147
-50.000	60.000	48.614	-11.999
-50.000	65.000	46.784	-12.190
-50.000	70.000	36.834	-16.135
-50.000	75.000	34.882	-16.334
-50.000	80.000	31.464	-17.085
-50.000	85.000	29.908	-16.565
-50.000	90.000	32.044	-15.753
-50.000	95.000	30.548	-16.146
-50.000	100.000	28.900	-16.488
-50.000	105.000	28.748	-16.764
-50.000	110.000	27.954	-16.817
-50.000	115.000	28.138	-16.900

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-50.000	120.000	30.884	-16.292
-50.000	125.000	33.264	-16.499
-50.000	130.000	36.132	-17.370
-50.000	135.000	40.986	-15.380
-50.000	140.000	45.350	-14.860
-50.000	145.000	51.788	-13.897
-50.000	150.000	47.088	-12.554
-50.000	155.000	45.410	-11.378
-50.000	160.000	45.806	-11.963
-50.000	165.000	44.586	-13.688
-50.000	170.000	41.840	-15.571
-50.000	175.000	39.062	-16.744
-50.000	180.000	38.270	-17.539
-50.000	185.000	42.510	-18.548
-50.000	190.000	40.710	-17.819
-50.000	195.000	44.982	-18.440
-50.000	200.000	47.760	-18.225
-50.000	205.000	44.464	-18.111
-50.000	210.000	44.982	-17.580
-50.000	215.000	43.610	-17.247
-50.000	220.000	40.284	-17.455
-50.000	225.000	38.940	-17.581
-50.000	230.000	37.506	-17.787
-50.000	235.000	34.912	-17.657
-50.000	240.000	34.790	-17.159
-50.000	245.000	33.814	-18.067
-50.000	250.000	35.156	-18.305
-50.000	255.000	36.866	-18.294
-50.000	260.000	40.344	-18.168
-50.000	265.000	44.434	-17.644
-50.000	270.000	45.684	-15.555
-50.000	275.000	43.792	-15.577
-50.000	280.000	40.680	-16.804
-50.000	285.000	37.690	-17.699
-50.000	290.000	34.210	-17.694
-50.000	295.000	32.348	-17.736
-50.000	300.000	30.884	-17.782
-50.000	305.000	31.312	-17.887
-50.000	310.000	29.418	-17.492
-50.000	315.000	29.632	-17.424
-50.000	320.000	29.388	-17.401
-50.000	325.000	30.274	-17.672
-50.000	330.000	28.778	-17.703
-60.000	330.000	31.708	-17.122
-60.000	325.000	30.700	-17.596
-60.000	320.000	32.868	-17.113
-60.000	315.000	32.624	-17.548
-60.000	310.000	30.732	-17.563
-60.000	305.000	29.052	-17.469
-60.000	300.000	30.030	-17.653

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-60.000	295.000	28.382	-17.775
-60.000	290.000	31.006	-17.729
-60.000	285.000	31.768	-17.914
-60.000	280.000	35.248	-17.401
-60.000	275.000	36.132	-16.771
-60.000	270.000	35.430	-17.670
-60.000	265.000	36.622	-18.405
-60.000	260.000	38.910	-18.304
-60.000	255.000	38.024	-18.348
-60.000	250.000	35.736	-17.730
-60.000	245.000	38.146	-17.686
-60.000	240.000	39.642	-17.909
-60.000	235.000	37.690	-17.943
-60.000	230.000	38.178	-17.901
-60.000	225.000	38.910	-17.776
-60.000	220.000	35.096	-17.747
-60.000	215.000	35.064	-16.235
-60.000	210.000	40.954	-16.599
-60.000	205.000	44.494	-17.379
-60.000	200.000	42.358	-18.002
-60.000	195.000	40.618	-18.296
-60.000	190.000	37.140	-17.763
-60.000	185.000	41.198	-16.992
-60.000	180.000	42.176	-15.571
-60.000	175.000	42.542	-13.890
-60.000	170.000	45.684	-9.568
-60.000	165.000	50.324	-9.359
-60.000	160.000	46.234	-10.659
-60.000	155.000	46.478	-13.054
-60.000	150.000	44.464	-16.433
-60.000	145.000	41.076	-17.163
-60.000	140.000	40.710	-17.995
-60.000	135.000	37.568	-17.620
-60.000	130.000	33.448	-17.887
-60.000	125.000	32.380	-17.517
-60.000	120.000	30.914	-17.525
-60.000	115.000	27.862	-17.521
-60.000	110.000	28.076	-17.291
-60.000	105.000	27.984	-16.755
-60.000	100.000	31.708	-15.327
-60.000	95.000	34.088	-14.790
-60.000	90.000	32.532	-15.715
-60.000	85.000	31.280	-16.741
-60.000	80.000	28.992	-16.863
-60.000	75.000	30.060	-14.912
-60.000	70.000	31.800	-12.977
-60.000	65.000	30.610	-13.287
-60.000	60.000	30.456	-15.077
-60.000	55.000	28.870	-15.979
-60.000	50.000	30.670	-13.697
-60.000	45.000	29.144	-13.728

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-60.000	40.000	35.308	-13.864
-60.000	35.000	32.684	-15.356
-60.000	30.000	29.724	-16.962
-60.000	25.000	29.754	-17.899
-60.000	20.000	31.250	-17.646
-60.000	15.000	31.708	-17.784
-60.000	10.000	31.098	-17.859
-60.000	5.000	31.220	-17.899
-60.000	0.000	29.602	-17.971
-70.000	0.000	29.938	-17.751
-70.000	5.000	30.456	-18.063
-70.000	10.000	30.670	-18.103
-70.000	15.000	30.610	-17.956
-70.000	20.000	30.762	-17.589
-70.000	25.000	31.006	-17.730
-70.000	30.000	30.364	-16.501
-70.000	35.000	32.288	-16.170
-70.000	40.000	31.524	-14.993
-70.000	45.000	32.258	-13.328
-70.000	50.000	31.464	-14.520
-70.000	55.000	29.846	-17.611
-70.000	60.000	31.250	-16.141
-70.000	65.000	32.410	-17.078
-70.000	70.000	35.492	-17.758
-70.000	75.000	36.866	-17.534
-70.000	80.000	38.818	-17.857
-70.000	85.000	38.514	-17.736
-70.000	90.000	37.690	-17.247
-70.000	95.000	36.316	-16.334
-70.000	100.000	36.866	-15.695
-70.000	105.000	35.888	-16.023
-70.000	110.000	40.284	-16.319
-70.000	115.000	42.756	-17.177
-70.000	120.000	48.370	-17.780
-70.000	125.000	52.918	-17.993
-70.000	130.000	58.990	-17.828
-70.000	135.000	54.046	-18.160
-70.000	140.000	54.718	-18.184
-70.000	145.000	46.784	-17.760
-70.000	150.000	46.874	-17.052
-70.000	155.000	50.628	-15.740
-70.000	160.000	49.012	-11.577
-70.000	165.000	45.806	-8.584
-70.000	170.000	47.760	-8.532
-70.000	175.000	45.684	-11.215
-70.000	180.000	41.108	-14.745
-70.000	185.000	38.758	-16.431
-70.000	190.000	39.428	-17.793
-70.000	195.000	40.864	-18.171
-70.000	200.000	43.212	-18.029

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-70.000	205.000	41.596	-17.284
-70.000	210.000	42.968	-17.306
-70.000	215.000	39.154	-17.572
-70.000	220.000	44.800	-18.691
-70.000	225.000	41.778	-18.195
-70.000	230.000	40.252	-17.791
-70.000	235.000	42.664	-17.826
-70.000	240.000	43.884	-18.160
-70.000	245.000	46.112	-18.094
-70.000	250.000	43.548	-17.727
-70.000	255.000	41.688	-17.912
-70.000	260.000	47.730	-15.821
-70.000	265.000	41.718	-18.618
-70.000	270.000	39.062	-17.738
-70.000	275.000	43.946	-15.774
-70.000	280.000	36.072	-18.327
-70.000	285.000	35.828	-18.758
-70.000	290.000	32.226	-18.469
-70.000	295.000	30.762	-18.035
-70.000	300.000	31.128	-18.081
-70.000	305.000	34.394	-18.607
-70.000	310.000	33.814	-17.078
-70.000	315.000	37.232	-16.883
-70.000	320.000	33.142	-17.435
-70.000	325.000	30.732	-17.745
-70.000	330.000	31.342	-17.828
-80.000	330.000	31.342	-17.600
-80.000	325.000	29.236	-16.011
-80.000	320.000	30.976	-17.624
-80.000	315.000	32.868	-17.411
-80.000	310.000	32.348	-17.484
-80.000	305.000	30.792	-17.438
-80.000	300.000	28.504	-17.660
-80.000	295.000	26.612	-18.302
-80.000	290.000	29.084	-18.361
-80.000	285.000	29.632	-17.778
-80.000	280.000	34.668	-16.962
-80.000	275.000	35.706	-16.575
-80.000	270.000	37.262	-18.758
-80.000	265.000	45.838	-18.120
-80.000	260.000	50.170	-18.313
-80.000	255.000	51.086	-18.182
-80.000	250.000	58.258	-18.405
-80.000	245.000	48.614	-17.627
-80.000	240.000	46.052	-18.102
-80.000	235.000	47.058	-17.876
-80.000	230.000	47.546	-17.341
-80.000	225.000	44.616	-17.541
-80.000	220.000	39.856	-17.760
-80.000	215.000	39.338	-17.826

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-80.000	210.000	41.108	-17.938
-80.000	205.000	38.574	-17.894
-80.000	200.000	41.230	-17.892
-80.000	195.000	44.830	-17.971
-80.000	190.000	45.136	-17.355
-80.000	185.000	44.648	-15.812
-80.000	180.000	43.702	-12.540
-80.000	175.000	47.912	-11.981
-80.000	170.000	49.012	-12.303
-80.000	165.000	47.698	-13.657
-80.000	160.000	47.242	-15.805
-80.000	155.000	44.280	-16.775
-80.000	150.000	41.504	-17.424
-80.000	145.000	40.832	-17.038
-80.000	140.000	39.886	-17.420
-80.000	135.000	39.460	-17.234
-80.000	130.000	43.090	-16.861
-80.000	125.000	44.494	-16.889
-80.000	120.000	47.364	-16.835
-80.000	115.000	49.072	-16.878
-80.000	110.000	49.164	-17.071
-80.000	105.000	47.088	-16.692
-80.000	100.000	49.256	-17.069
-80.000	95.000	51.636	-17.280
-80.000	90.000	48.706	-16.485
-80.000	85.000	44.952	-17.747
-80.000	80.000	36.744	-17.613
-80.000	75.000	33.814	-17.383
-80.000	70.000	28.870	-17.534
-80.000	65.000	27.374	-17.365
-80.000	60.000	28.686	-17.159
-80.000	55.000	29.876	-16.536
-80.000	50.000	29.542	-16.422
-80.000	45.000	31.098	-15.634
-80.000	40.000	33.416	-14.737
-80.000	35.000	31.494	-15.992
-80.000	30.000	29.388	-16.402
-80.000	25.000	28.138	-16.731
-80.000	20.000	27.374	-17.146
-80.000	15.000	27.008	-17.458
-80.000	10.000	26.458	-18.181
-80.000	5.000	26.000	-17.188
-80.000	0.000	85.206	45.558
-90.000	0.000	19.532	-17.528
-90.000	5.000	20.020	-17.420
-90.000	10.000	21.180	-17.686
-90.000	15.000	22.644	-18.348
-90.000	20.000	24.872	-17.514
-90.000	25.000	26.276	-17.080
-90.000	30.000	25.910	-16.453

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-90.000	35.000	27.038	-16.259
-90.000	40.000	28.626	-15.325
-90.000	45.000	28.472	-15.165
-90.000	50.000	30.242	-14.351
-90.000	55.000	31.646	-14.906
-90.000	60.000	31.556	-16.981
-90.000	65.000	32.502	-17.458
-90.000	70.000	32.714	-17.482
-90.000	75.000	34.028	-17.627
-90.000	80.000	35.340	-17.653
-90.000	85.000	40.344	-17.396
-90.000	90.000	41.564	-17.701
-90.000	95.000	46.784	-17.552
-90.000	100.000	46.326	-17.348
-90.000	105.000	49.622	-17.600
-90.000	110.000	46.936	-17.401
-90.000	115.000	42.358	-16.571
-90.000	120.000	37.476	-17.383
-90.000	125.000	36.834	-17.236
-90.000	130.000	35.736	-17.071
-90.000	135.000	36.132	-17.493
-90.000	140.000	36.744	-17.741
-90.000	145.000	36.500	-17.633
-90.000	150.000	37.018	-17.933
-90.000	155.000	38.544	-17.231
-90.000	160.000	44.342	-16.624
-90.000	165.000	49.012	-15.873
-90.000	170.000	48.218	-15.501
-90.000	175.000	47.242	-15.933
-90.000	180.000	48.432	-15.522
-90.000	185.000	50.048	-16.093
-90.000	190.000	50.750	-17.124
-90.000	195.000	48.492	-17.627
-90.000	200.000	46.570	-17.967
-90.000	205.000	45.990	-18.215
-90.000	210.000	45.654	-18.315
-90.000	215.000	45.928	-18.188
-90.000	220.000	45.136	-18.109
-90.000	225.000	45.196	-17.918
-90.000	230.000	46.264	-17.736
-90.000	235.000	48.218	-18.100
-90.000	240.000	50.110	-17.815
-90.000	245.000	48.676	-17.789
-90.000	250.000	43.426	-18.125
-90.000	255.000	38.300	-18.083
-90.000	260.000	40.528	-18.489
-90.000	265.000	39.916	-18.140
-90.000	270.000	35.980	-17.771
-90.000	275.000	37.536	-16.128
-90.000	280.000	35.888	-15.836
-90.000	285.000	35.004	-17.703

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-90.000	290.000	29.572	-16.600
-90.000	295.000	32.654	-14.469
-90.000	300.000	31.402	-15.196
-90.000	305.000	30.792	-15.777
-90.000	310.000	31.494	-16.339
-90.000	315.000	30.488	-16.132
-90.000	320.000	28.840	-16.450
-90.000	325.000	32.958	-15.470
-90.000	330.000	32.470	-14.994
-100.000	330.000	25.116	-14.621
-100.000	325.000	31.128	-10.504
-100.000	320.000	35.584	-8.464
-100.000	315.000	36.042	-9.331
-100.000	310.000	33.660	-13.802
-100.000	305.000	32.196	-14.875
-100.000	300.000	34.302	-15.796
-100.000	295.000	28.198	-16.615
-100.000	290.000	25.604	-17.337
-100.000	285.000	31.464	-15.575
-100.000	280.000	31.342	-13.037
-100.000	275.000	30.304	-14.645
-100.000	270.000	31.128	-15.698
-100.000	265.000	28.168	-17.205
-100.000	260.000	19.744	-17.416
-100.000	255.000	25.146	-18.155
-100.000	250.000	28.748	-17.923
-100.000	245.000	30.792	-17.912
-100.000	240.000	34.454	-18.120
-100.000	235.000	38.604	-17.291
-100.000	230.000	39.368	-16.942
-100.000	225.000	45.898	-16.867
-100.000	220.000	39.428	-16.332
-100.000	215.000	43.334	-17.058
-100.000	210.000	42.022	-17.600
-100.000	205.000	45.746	-18.155
-100.000	200.000	45.472	-18.467
-100.000	195.000	50.842	-17.969
-100.000	190.000	48.858	-17.762
-100.000	185.000	53.742	-18.102
-100.000	180.000	48.156	-18.166
-100.000	175.000	44.068	-17.662
-100.000	170.000	41.138	-17.041
-100.000	165.000	41.778	-17.394
-100.000	160.000	42.054	-17.225
-100.000	155.000	39.398	-17.095
-100.000	150.000	40.588	-17.225
-100.000	145.000	40.558	-16.812
-100.000	140.000	40.832	-16.955
-100.000	135.000	39.520	-16.900
-100.000	130.000	37.780	-16.637

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-100.000	125.000	38.178	-16.415
-100.000	120.000	38.848	-16.562
-100.000	115.000	38.818	-17.080
-100.000	110.000	38.482	-17.469
-100.000	105.000	39.794	-16.762
-100.000	100.000	37.628	-16.086
-100.000	95.000	44.128	-15.614
-100.000	90.000	52.154	-15.829
-100.000	85.000	49.346	-16.764
-100.000	80.000	54.870	-17.660
-100.000	75.000	55.726	-16.363
-100.000	70.000	46.814	-17.519
-100.000	65.000	39.276	-17.525
-100.000	60.000	37.598	-17.401
-100.000	55.000	33.050	-17.512
-100.000	50.000	30.182	-17.427
-100.000	45.000	30.518	-17.519
-100.000	40.000	32.470	-16.057
-100.000	35.000	31.188	-16.200
-100.000	30.000	35.218	-15.016
-100.000	25.000	27.740	-16.395
-100.000	20.000	26.214	-16.233
-100.000	15.000	24.354	-16.685
-100.000	10.000	25.512	-16.968
-100.000	5.000	25.054	-17.087
-100.000	0.000	25.604	-16.881
-100.000	-5.000	22.828	-17.098
-100.000	-10.000	23.682	-17.231
-100.000	-15.000	22.584	-17.613
-100.000	-20.000	26.214	-16.768
-100.000	-25.000	24.140	-17.558
-110.000	0.000	25.604	-18.034
-110.000	5.000	26.490	-18.317
-110.000	10.000	25.482	-17.051
-110.000	15.000	28.442	-16.988
-110.000	20.000	28.198	-16.795
-110.000	25.000	27.802	-16.984
-110.000	30.000	25.422	-17.435
-110.000	35.000	27.070	-17.453
-110.000	40.000	29.602	-17.027
-110.000	45.000	29.724	-16.323
-110.000	50.000	30.274	-15.468
-110.000	55.000	28.382	-15.683
-110.000	60.000	30.700	-16.251
-110.000	65.000	27.770	-17.918
-110.000	70.000	30.426	-17.717
-110.000	75.000	32.166	-17.892
-110.000	80.000	34.728	-17.666
-110.000	85.000	36.376	-17.576
-110.000	90.000	51.696	-13.396

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-110.000	95.000	56.152	-14.048
-110.000	100.000	54.932	-16.586
-110.000	105.000	57.922	-16.426
-110.000	110.000	58.198	-17.190
-110.000	115.000	42.022	-24.722
-110.000	120.000	50.506	-19.044
-110.000	125.000	50.354	-17.148
-110.000	130.000	42.236	-17.892
-110.000	135.000	38.086	-18.173
-110.000	140.000	40.314	-17.019
-110.000	145.000	41.932	-17.242
-110.000	150.000	44.464	-17.532
-110.000	155.000	46.326	-17.705
-110.000	160.000	49.804	-17.139
-110.000	165.000	43.244	-16.773
-110.000	170.000	45.472	-16.672
-110.000	175.000	44.006	-16.835
-110.000	180.000	42.114	-16.589
-110.000	185.000	41.412	-17.133
-110.000	190.000	37.262	-17.258
-110.000	195.000	37.384	-17.486
-110.000	200.000	32.226	-17.717
-110.000	205.000	34.606	-17.977
-110.000	210.000	39.246	-13.409
-110.000	215.000	31.830	-16.731
-110.000	220.000	35.736	-14.136
-110.000	225.000	34.028	-17.721
-110.000	230.000	33.966	-17.791
-110.000	235.000	34.150	-17.642
-110.000	240.000	34.118	-17.508
-110.000	245.000	33.722	-17.181
-110.000	250.000	32.318	-17.332
-110.000	255.000	30.732	-17.736
-110.000	260.000	28.016	-17.699
-110.000	265.000	25.024	-17.473
-110.000	270.000	26.276	-17.683
-110.000	275.000	26.214	-18.370
-110.000	280.000	24.902	-18.116
-110.000	285.000	27.984	-15.678
-110.000	290.000	34.118	-13.107
-110.000	295.000	25.360	-14.103
-110.000	300.000	31.738	-14.778
-110.000	305.000	28.870	-14.904
-110.000	310.000	28.228	-13.931
-110.000	315.000	29.114	-12.231
-110.000	320.000	31.250	-11.610
-110.000	325.000	27.344	-12.126
-110.000	330.000	35.584	-6.658
-120.000	330.000	26.764	-12.461
-120.000	325.000	27.344	-14.004

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-120.000	320.000	20.080	-15.246
-120.000	315.000	21.362	-15.496
-120.000	310.000	25.666	-16.159
-120.000	305.000	25.238	-16.189
-120.000	300.000	29.236	-19.551
-120.000	295.000	29.174	-16.663
-120.000	290.000	33.782	-10.906
-120.000	285.000	37.170	-13.929
-120.000	280.000	33.874	-16.205
-120.000	275.000	29.998	-17.003
-120.000	270.000	25.726	-17.335
-120.000	265.000	25.054	-16.545
-120.000	260.000	27.374	-16.158
-120.000	255.000	28.870	-15.878
-120.000	250.000	30.762	-16.444
-120.000	245.000	30.944	-17.030
-120.000	240.000	32.502	-17.413
-120.000	235.000	29.480	-17.383
-120.000	230.000	28.260	-17.675
-120.000	225.000	27.100	-17.729
-120.000	220.000	27.038	-17.839
-120.000	215.000	26.306	-17.087
-120.000	210.000	26.000	-17.670
-120.000	205.000	23.926	-17.425
-120.000	200.000	25.756	-17.975
-120.000	195.000	26.490	-17.442
-120.000	190.000	36.164	-14.888
-120.000	185.000	35.676	-16.185
-120.000	180.000	32.136	-17.431
-120.000	175.000	30.364	-20.376
-120.000	170.000	33.996	-17.190
-120.000	165.000	32.502	-17.767
-120.000	160.000	34.484	-17.541
-120.000	155.000	32.898	-17.435
-120.000	145.000	32.288	-17.293
-120.000	140.000	35.034	-17.306
-120.000	135.000	38.208	-17.508
-120.000	130.000	45.044	-17.536
-120.000	125.000	53.528	-17.938
-120.000	120.000	-411.743	-17.539
-120.000	115.000	87.220	-17.642
-120.000	110.000	94.086	-17.319
-120.000	105.000	88.958	-17.319
-120.000	100.000	75.622	-16.187
-120.000	95.000	58.106	-17.578
-120.000	90.000	43.854	-21.446
-120.000	85.000	38.544	-21.528
-120.000	80.000	38.422	-17.363
-120.000	75.000	37.476	-17.302
-120.000	70.000	39.002	-17.923
-120.000	65.000	39.672	-17.659

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-120.000	60.000	38.300	-17.232
-120.000	55.000	38.666	-17.389
-120.000	50.000	41.534	-17.499
-120.000	45.000	41.870	-17.740
-120.000	40.000	36.560	-17.725
-120.000	35.000	35.156	-17.830
-120.000	30.000	34.912	-17.876
-120.000	25.000	32.258	-17.231
-120.000	20.000	33.112	-16.393
-120.000	15.000	30.548	-16.108
-120.000	10.000	27.466	-16.057
-120.000	5.000	-406.615	-16.639
-120.000	0.000	36.346	-17.708
-130.000	330.000	28.412	-6.074
-130.000	325.000	27.618	-6.344
-130.000	320.000	22.980	-8.183
-130.000	315.000	21.424	-11.340
-130.000	310.000	21.820	-8.572
-130.000	305.000	23.040	-8.335
-130.000	300.000	23.712	-9.151
-130.000	295.000	25.482	-8.786
-130.000	290.000	29.328	-9.093
-130.000	285.000	-174.194	-8.565
-130.000	280.000	32.532	-8.877
-130.000	275.000	26.336	-7.872
-130.000	270.000	26.520	-9.425
-130.000	265.000	28.962	-10.131
-130.000	260.000	32.532	-9.036
-130.000	255.000	33.326	-9.208
-130.000	250.000	33.966	-9.631
-130.000	245.000	33.570	-9.671
-130.000	240.000	29.998	-10.230
-130.000	235.000	-448.182	-9.502
-130.000	230.000	-700.469	-9.642
-130.000	225.000	-670.226	14.944
-130.000	220.000	-761.658	11.795
-130.000	215.000	-679.961	-9.188
-130.000	210.000	-453.704	-9.416
-130.000	205.000	-437.286	-9.385
-130.000	200.000	-695.984	-9.348
-130.000	195.000	-526.824	-9.262
-130.000	190.000	26.948	-8.811
-130.000	185.000	27.648	-8.416
-130.000	180.000	27.558	-11.068
-130.000	175.000	24.932	-9.992
-130.000	170.000	25.818	-9.256
-130.000	165.000	24.628	-9.289
-130.000	160.000	26.642	-9.410
-130.000	155.000	-681.030	-9.646
-130.000	150.000	29.694	-9.679

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-130.000	145.000	32.166	-9.377
-130.000	140.000	-637.604	-9.155
-130.000	135.000	-583.190	-9.642
-130.000	130.000	-695.648	-10.184
-130.000	125.000	97.626	-10.362
-130.000	120.000	118.072	-10.041
-130.000	115.000	142.640	-10.309
-130.000	110.000	-702.270	-9.940
-130.000	105.000	-753.998	-9.952
-130.000	100.000	-372.314	-9.835
-130.000	95.000	-671.326	-9.908
-130.000	90.000	-430.205	-9.756
-130.000	85.000	-443.693	-9.583
-130.000	80.000	35.798	-9.589
-130.000	75.000	-448.821	-9.603
-130.000	70.000	34.394	-9.544
-130.000	65.000	34.974	-9.726
-130.000	60.000	34.150	-10.379
-130.000	55.000	-366.364	-9.866
-130.000	50.000	-688.506	-9.767
-130.000	45.000	-464.446	-9.780
-130.000	40.000	-612.366	-9.802
-130.000	35.000	-734.832	-9.738
-130.000	30.000	-662.292	-9.717
-130.000	25.000	-612.518	-9.541
-130.000	20.000	30.396	-8.473
-130.000	15.000	34.516	-7.046
-130.000	10.000	34.150	-7.268
-130.000	5.000	35.096	-7.057
-130.000	0.000	29.510	-8.986
-140.000	0.000	34.852	-5.438
-140.000	5.000	-707.550	-5.307
-140.000	10.000	-697.448	-6.051
-140.000	15.000	-718.108	-7.672
-140.000	20.000	29.174	-9.651
-140.000	25.000	28.686	-9.855
-140.000	30.000	27.740	-10.059
-140.000	35.000	27.374	-10.656
-140.000	40.000	28.260	-10.107
-140.000	45.000	28.168	-10.548
-140.000	50.000	25.604	-9.908
-140.000	55.000	271.920	-9.936
-140.000	60.000	27.314	-10.493
-140.000	65.000	26.580	-10.151
-140.000	70.000	21.454	-10.149
-140.000	75.000	24.048	-10.090
-140.000	80.000	29.694	-10.443
-140.000	85.000	25.696	-10.241
-140.000	90.000	32.136	-9.600
-140.000	95.000	42.572	-9.892

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-140.000	100.000	53.528	-10.296
-140.000	105.000	64.484	-10.070
-140.000	110.000	71.624	-10.217
-140.000	115.000	82.734	-10.325
-140.000	120.000	71.990	-10.259
-140.000	125.000	60.120	-10.359
-140.000	130.000	47.332	-9.695
-140.000	135.000	37.322	-10.263
-140.000	140.000	35.492	-9.148
-140.000	145.000	27.314	-10.353
-140.000	150.000	26.184	-9.963
-140.000	155.000	35.034	-4.339
-140.000	160.000	3.266	-25.927
-140.000	165.000	17.640	-18.791
-140.000	170.000	-18.830	-29.894
-140.000	175.000	26.794	-8.328
-140.000	180.000	25.574	-9.798
-140.000	185.000	24.384	-9.447
-140.000	190.000	23.132	-10.164
-140.000	195.000	24.108	-9.818
-140.000	200.000	22.766	-9.646
-140.000	205.000	20.538	-9.771
-140.000	210.000	21.118	-9.328
-140.000	215.000	19.378	-9.282
-140.000	220.000	19.990	-9.252
-140.000	225.000	20.202	-9.409
-140.000	230.000	21.668	-9.668
-140.000	235.000	21.668	-9.594
-140.000	240.000	36.804	-11.031
-140.000	245.000	23.346	-10.338
-140.000	250.000	32.532	-10.553
-140.000	255.000	29.236	-11.211
-140.000	260.000	23.162	-9.866
-140.000	265.000	31.464	-10.331
-140.000	270.000	-712.646	-10.098
-140.000	275.000	22.766	-9.041
-140.000	280.000	20.142	-8.312
-140.000	285.000	19.898	-8.804
-140.000	290.000	23.406	-10.057
-140.000	295.000	19.684	-7.626
-140.000	300.000	-447.022	-11.516
-140.000	305.000	22.460	-10.136
-140.000	310.000	-721.435	-8.214
-140.000	315.000	-725.677	-7.841
-140.000	320.000	-655.182	-8.723
-140.000	325.000	-622.314	23.551
-140.000	330.000	-752.532	14.060
-150.000	330.000	-696.686	-8.635
-150.000	325.000	-695.098	15.749
-150.000	320.000	-750.518	14.707

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-150.000	315.000	-740.174	15.817
-150.000	310.000	-783.752	11.041
-150.000	305.000	31.952	-8.745
-150.000	300.000	31.830	-8.398
-150.000	295.000	32.074	-9.392
-150.000	290.000	32.806	-7.033
-150.000	285.000	30.426	-7.176
-150.000	280.000	35.858	-8.565
-150.000	275.000	34.790	-8.325
-150.000	270.000	32.136	-8.157
-150.000	265.000	28.168	-8.846
-150.000	260.000	28.962	-8.804
-150.000	255.000	25.390	-8.161
-150.000	250.000	24.810	-9.030
-150.000	245.000	22.858	-9.105
-150.000	240.000	29.418	-7.514
-150.000	235.000	22.338	-8.029
-150.000	230.000	20.446	-8.731
-150.000	225.000	18.128	-9.247
-150.000	220.000	18.128	-9.548
-150.000	215.000	-719.604	9.847
-150.000	210.000	-774.383	8.252
-150.000	205.000	22.400	-9.791
-150.000	200.000	23.682	-10.077
-150.000	195.000	20.508	-9.844
-150.000	190.000	21.270	-9.925
-150.000	185.000	22.370	-10.028
-150.000	180.000	20.172	-9.817
-150.000	175.000	18.096	-8.534
-150.000	170.000	20.234	-9.168
-150.000	165.000	19.042	-8.942
-150.000	160.000	18.494	-8.830
-150.000	155.000	21.972	-9.116
-150.000	150.000	22.004	-8.122
-150.000	145.000	23.468	-8.613
-150.000	140.000	20.050	-9.502
-150.000	135.000	19.622	-9.456
-150.000	130.000	20.324	-9.535
-150.000	125.000	20.416	-9.012
-150.000	120.000	20.446	-9.199
-150.000	115.000	22.430	-10.776
-150.000	110.000	22.460	-10.748
-150.000	105.000	24.230	-10.155
-150.000	100.000	23.406	-10.316
-150.000	95.000	21.668	-10.502
-150.000	90.000	-691.498	12.941
-150.000	85.000	-462.342	13.160
-150.000	80.000	-644.073	24.190
-150.000	75.000	-771.210	14.222
-150.000	70.000	-751.678	13.132
-150.000	65.000	-695.678	19.488

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-150.000	60.000	-751.404	12.684
-150.000	55.000	45.074	-10.026
-150.000	50.000	42.236	-9.640
-150.000	45.000	40.100	-10.043
-150.000	40.000	33.660	-9.403
-150.000	35.000	24.476	-9.451
-150.000	30.000	-655.120	-8.348
-150.000	25.000	-699.523	12.432
-150.000	20.000	-679.168	7.587
-150.000	15.000	17.334	-9.627
-150.000	10.000	18.738	-9.600
-150.000	5.000	20.538	-10.026
-150.000	0.000	17.090	-9.925
-150.000	-5.000	17.640	-9.857
-150.000	-10.000	20.324	-10.033
-150.000	-15.000	23.010	-9.980
-150.000	-20.000	26.916	-9.717
-160.000	30.000	39.704	-7.850
-160.000	35.000	24.536	-9.627
-160.000	40.000	21.972	-9.864
-160.000	45.000	20.020	-9.668
-160.000	50.000	17.272	-9.583
-160.000	55.000	18.586	-9.557
-160.000	60.000	19.318	-9.866
-160.000	65.000	22.492	-9.578
-160.000	70.000	22.034	-9.708
-160.000	75.000	24.964	-10.917
-160.000	80.000	27.618	-10.228
-160.000	85.000	26.398	-10.454
-160.000	90.000	32.714	-9.824
-160.000	95.000	35.186	-9.927
-160.000	100.000	37.628	-10.079
-160.000	105.000	33.692	-9.682
-160.000	110.000	31.800	-10.088
-160.000	115.000	32.136	-10.019
-160.000	120.000	32.776	-9.987
-160.000	125.000	31.464	-9.690
-160.000	130.000	30.640	-8.861
-160.000	135.000	28.564	-8.771
-160.000	140.000	25.756	-9.028
-160.000	145.000	21.912	-10.155
-160.000	150.000	21.026	-10.043
-160.000	155.000	24.200	-10.072
-160.000	160.000	24.230	-9.763
-160.000	165.000	25.024	-9.440
-160.000	170.000	23.284	-9.184
-160.000	175.000	23.956	-9.443
-160.000	180.000	23.682	-9.557
-160.000	185.000	23.438	-9.480
-160.000	190.000	26.794	-6.908

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-160.000	195.000	32.990	-4.778
-160.000	200.000	-22.216	-26.726
-160.000	205.000	13.642	-14.983
-160.000	210.000	13.854	-10.844
-160.000	215.000	20.172	-9.370
-160.000	220.000	20.020	-9.069
-160.000	225.000	21.790	-8.139
-160.000	230.000	21.058	-9.004
-160.000	235.000	21.180	-9.480
-160.000	240.000	21.424	-9.846
-160.000	245.000	21.912	-10.116
-160.000	250.000	22.308	-10.169
-160.000	255.000	22.430	-10.184
-160.000	260.000	23.834	-9.940
-160.000	265.000	26.794	-10.076
-160.000	270.000	27.558	-10.364
-160.000	275.000	24.322	-9.657
-160.000	280.000	31.128	-10.447
-160.000	285.000	-691.010	-7.301
-160.000	290.000	-711.730	-7.189
-160.000	295.000	-693.360	-8.776
-160.000	300.000	-726.470	3.651
-160.000	305.000	-673.096	14.727
-160.000	310.000	-739.960	-8.119
-160.000	315.000	-768.616	-8.198
-160.000	320.000	31.128	-8.760
-160.000	325.000	33.294	-9.087
-160.000	330.000	36.164	-9.585
-170.000	330.000	28.138	-8.672
-170.000	325.000	27.862	-8.418
-170.000	320.000	-659.150	-8.925
-170.000	315.000	-722.442	-8.804
-170.000	310.000	-748.078	-9.043
-170.000	305.000	-734.284	-8.795
-170.000	300.000	-655.518	4.404
-170.000	295.000	-720.246	4.595
-170.000	290.000	-716.338	5.498
-170.000	285.000	-671.966	8.866
-170.000	280.000	-711.120	3.528
-170.000	275.000	-640.349	4.599
-170.000	270.000	-660.828	3.001
-170.000	265.000	-668.946	6.734
-170.000	260.000	-642.242	14.909
-170.000	255.000	-664.856	15.446
-170.000	250.000	-651.214	4.623
-170.000	245.000	24.230	-9.809
-170.000	240.000	24.414	-9.760
-170.000	235.000	21.088	-9.410
-170.000	230.000	19.592	-8.547
-170.000	225.000	20.936	-8.859

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-170.000	220.000	23.102	-8.775
-170.000	215.000	21.302	-8.705
-170.000	210.000	24.018	-8.273
-170.000	205.000	19.348	-9.969
-170.000	200.000	21.820	-9.339
-170.000	195.000	30.884	-5.385
-170.000	190.000	26.794	-7.294
-170.000	185.000	27.130	-8.345
-170.000	180.000	28.718	-9.434
-170.000	175.000	24.322	-9.600
-170.000	170.000	24.444	-8.960
-170.000	165.000	26.336	-9.681
-170.000	160.000	22.034	-9.534
-170.000	155.000	25.054	-9.793
-170.000	150.000	26.886	-9.203
-170.000	145.000	26.184	-9.025
-170.000	135.000	35.462	-4.659
-170.000	130.000	36.834	2.082
-170.000	125.000	26.124	-7.341
-170.000	120.000	44.404	10.385
-170.000	115.000	21.576	-18.528
-170.000	110.000	19.806	-17.052
-170.000	105.000	21.270	-18.320
-170.000	100.000	32.348	-8.883
-170.000	95.000	32.288	-9.767
-170.000	90.000	32.440	-9.635
-170.000	85.000	33.630	-9.844
-170.000	80.000	32.928	-9.535
-170.000	75.000	31.220	-9.664
-170.000	70.000	28.564	-9.776
-170.000	65.000	25.330	-9.467
-170.000	60.000	24.902	-9.477
-170.000	55.000	25.756	-9.322
-180.000	60.000	28.962	-9.622
-180.000	65.000	30.182	-9.681
-180.000	70.000	28.260	-9.721
-180.000	75.000	33.204	-9.364
-180.000	80.000	32.898	-9.662
-180.000	85.000	31.922	-9.390
-180.000	90.000	31.860	-9.484
-180.000	95.000	27.130	-10.311
-180.000	100.000	26.824	-10.355
-180.000	105.000	24.140	-10.329
-180.000	110.000	24.994	-9.385
-180.000	115.000	23.254	-9.734
-180.000	120.000	25.788	-8.767
-180.000	125.000	-445.434	-8.312
-180.000	130.000	-683.745	-9.701
-180.000	135.000	-692.565	-9.973
-180.000	140.000	-702.148	-9.045

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-180.000	145.000	-666.778	8.136
-180.000	150.000	-623.840	9.334
-180.000	155.000	27.710	-9.783
-180.000	160.000	27.496	-9.774
-180.000	165.000	26.580	-9.739
-180.000	170.000	25.390	-9.598
-180.000	175.000	26.886	-9.432
-180.000	180.000	26.000	-9.471
-180.000	185.000	26.978	-8.424
-180.000	190.000	26.948	-7.509
-180.000	195.000	27.740	-8.420
-180.000	200.000	32.136	-4.835
-180.000	205.000	14.862	-17.313
-180.000	210.000	21.088	-15.636
-180.000	215.000	28.686	-8.600
-180.000	220.000	30.518	-7.918
-180.000	225.000	34.424	-7.077
-180.000	230.000	25.604	-7.753
-180.000	235.000	35.400	-6.050
-180.000	240.000	30.976	-8.973
-180.000	245.000	27.770	-9.405
-180.000	250.000	29.114	-10.020
-180.000	255.000	29.052	-9.930
-180.000	260.000	28.106	-9.804
-180.000	265.000	30.364	-10.039
-180.000	270.000	29.908	-9.719
-180.000	275.000	30.944	-9.282
-180.000	280.000	31.738	-9.238
-180.000	285.000	34.088	-8.922
-180.000	290.000	39.246	-8.578
-180.000	295.000	42.968	-6.322
-180.000	300.000	43.824	-5.677
-180.000	305.000	45.074	-5.302
-180.000	310.000	39.368	-7.200
-180.000	315.000	37.262	-8.280
-180.000	320.000	34.362	-8.297
-180.000	325.000	32.440	-7.858
-180.000	330.000	30.426	-8.903
-190.000	330.000	26.794	-9.390
-190.000	325.000	28.718	-9.464
-190.000	320.000	32.714	-9.940
-190.000	315.000	33.814	-7.821
-190.000	310.000	36.286	-9.563
-190.000	305.000	32.624	-10.542
-190.000	300.000	36.376	-7.602
-190.000	295.000	53.406	-12.490
-190.000	290.000	38.300	-9.208
-190.000	285.000	35.186	-10.059
-190.000	280.000	28.992	-9.350
-190.000	275.000	25.116	-9.229

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-190.000	270.000	27.984	-9.421
-190.000	265.000	25.300	-9.300
-190.000	260.000	25.666	-9.308
-190.000	255.000	27.802	-9.690
-190.000	250.000	26.520	-9.522
-190.000	245.000	31.524	-9.151
-190.000	240.000	34.546	-8.923
-190.000	235.000	28.106	-8.666
-190.000	230.000	23.712	-8.381
-190.000	225.000	33.936	-6.526
-190.000	220.000	29.572	-8.279
-190.000	215.000	30.792	-8.093
-190.000	210.000	26.856	-9.432
-190.000	205.000	27.710	-8.609
-190.000	200.000	25.940	-8.345
-190.000	195.000	24.414	-7.996
-190.000	190.000	25.422	-8.115
-190.000	185.000	24.018	-8.418
-190.000	180.000	23.530	-9.469
-190.000	175.000	23.498	-8.949
-190.000	170.000	22.248	-9.243
-190.000	165.000	23.620	-9.115
-190.000	160.000	-659.698	-9.050
-190.000	155.000	-636.994	-9.530
-190.000	150.000	-557.312	-9.884
-190.000	145.000	-581.878	-9.778
-190.000	140.000	-668.366	-9.655
-190.000	135.000	-662.414	-7.253
-190.000	130.000	-660.462	6.054
-190.000	125.000	-644.776	7.150
-190.000	120.000	-672.058	4.373
-190.000	115.000	-654.480	7.138
-190.000	110.000	-635.956	4.030
-190.000	105.000	-647.736	4.979
-190.000	100.000	31.616	-9.857
-190.000	95.000	31.188	-9.686
-190.000	90.000	28.840	-9.664
-190.000	85.000	28.930	-9.613
-190.000	80.000	28.748	-9.379
-200.000	100.000	32.806	-9.203
-200.000	105.000	35.584	-10.076
-200.000	110.000	37.292	-9.181
-200.000	115.000	41.290	-11.851
-200.000	120.000	35.004	-9.467
-200.000	125.000	29.266	-10.283
-200.000	130.000	26.580	-9.780
-200.000	135.000	26.428	-10.445
-200.000	140.000	26.246	-9.976
-200.000	145.000	31.036	-9.403
-200.000	150.000	29.206	-9.635

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-200.000	155.000	33.082	-9.251
-200.000	160.000	29.206	-9.669
-200.000	165.000	28.382	-9.451
-200.000	170.000	27.314	-9.458
-200.000	175.000	25.818	-8.591
-200.000	180.000	27.526	-7.839
-200.000	185.000	26.368	-8.600
-200.000	190.000	28.870	-6.595
-200.000	195.000	30.030	-7.367
-200.000	200.000	27.618	-8.313
-200.000	205.000	30.884	-8.211
-200.000	210.000	34.332	-8.468
-200.000	215.000	34.606	-9.396
-200.000	220.000	26.428	-6.886
-200.000	225.000	34.058	-6.753
-200.000	230.000	30.670	-6.957
-200.000	235.000	33.356	-6.623
-200.000	240.000	29.358	-8.663
-200.000	245.000	18.188	-13.179
-200.000	250.000	27.192	-10.506
-200.000	255.000	22.522	-10.992
-200.000	260.000	29.876	-8.560
-200.000	265.000	28.228	-8.400
-200.000	270.000	30.762	-9.265
-200.000	275.000	31.586	-8.992
-200.000	280.000	32.502	-9.034
-200.000	285.000	32.044	-8.372
-200.000	290.000	33.204	-8.694
-200.000	295.000	34.454	-8.453
-200.000	300.000	36.438	-9.089
-200.000	305.000	33.020	-9.929
-200.000	310.000	32.502	-10.094
-200.000	315.000	30.152	-9.622
-200.000	320.000	27.648	-9.398
-200.000	325.000	-645.050	-9.681
-200.000	330.000	-670.898	-9.335
-210.000	330.000	-667.176	-10.020
-210.000	325.000	-666.352	-9.772
-210.000	320.000	-692.626	-9.302
-210.000	315.000	-616.028	-9.703
-210.000	310.000	-698.058	-9.324
-210.000	305.000	-533.233	-9.607
-210.000	300.000	31.312	-9.420
-210.000	295.000	-639.984	-9.276
-210.000	290.000	-661.896	-8.953
-210.000	285.000	-655.090	-9.431
-210.000	280.000	-708.038	-13.418
-210.000	275.000	-645.264	-2.660
-210.000	270.000	-671.386	-9.892
-210.000	265.000	-669.464	-8.098

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-210.000	260.000	-671.112	-7.992
-210.000	255.000	-608.550	-9.317
-210.000	250.000	-677.032	-7.319
-210.000	245.000	-539.856	2.977
-210.000	240.000	-650.116	-7.974
-210.000	235.000	-658.416	-4.819
-210.000	230.000	-618.622	0.187
-210.000	225.000	-663.818	-6.489
-210.000	220.000	-573.364	-6.458
-210.000	215.000	-639.588	-5.791
-210.000	210.000	-638.092	-4.688
-210.000	205.000	-649.932	-7.108
-210.000	200.000	-646.058	-6.426
-210.000	195.000	-631.896	-4.499
-210.000	190.000	-529.754	6.797
-210.000	185.000	-615.142	-6.897
-210.000	180.000	-583.312	7.175
-210.000	175.000	-555.848	8.993
-210.000	170.000	-653.625	-4.471
-210.000	165.000	-581.116	7.150
-210.000	160.000	-653.564	-3.876
-210.000	155.000	-654.539	-4.251
-210.000	150.000	27.588	-9.618
-210.000	145.000	24.750	-9.177
-210.000	140.000	28.198	-9.491
-210.000	135.000	-493.926	-9.405
-210.000	130.000	30.030	-9.353
-210.000	125.000	32.776	-9.412
-210.000	120.000	-603.486	-7.356
-210.000	115.000	-652.038	-0.692
-210.000	110.000	-644.562	-4.187
-220.000	110.000	-564.118	-0.111
-220.000	115.000	-589.508	2.642
-220.000	120.000	-573.944	9.645
-220.000	125.000	25.086	-9.669
-220.000	130.000	22.460	-9.765
-220.000	135.000	22.034	-9.469
-220.000	140.000	20.812	-9.673
-220.000	145.000	21.514	-9.567
-220.000	150.000	25.422	-9.809
-220.000	155.000	23.316	-8.912
-220.000	160.000	24.994	-9.366
-220.000	165.000	26.246	-9.625
-220.000	170.000	31.220	-9.374
-220.000	175.000	31.128	-9.026
-220.000	180.000	32.836	-9.594
-220.000	185.000	36.744	-9.032
-220.000	190.000	39.428	-9.550
-220.000	195.000	28.442	-17.291
-220.000	200.000	-531.158	-20.766

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-220.000	205.000	-570.678	-9.951
-220.000	210.000	-666.932	-14.123
-220.000	215.000	-686.492	-12.762
-220.000	220.000	-551.728	7.947
-220.000	225.000	-639.312	-1.945
-220.000	230.000	-642.182	-2.728
-220.000	235.000	-621.185	-2.345
-220.000	240.000	-640.258	-1.840
-220.000	245.000	-771.270	-6.652
-220.000	250.000	-670.135	0.171
-220.000	255.000	-555.726	9.349
-220.000	260.000	-580.750	10.020
-220.000	265.000	-615.692	-2.649
-220.000	270.000	-589.050	5.626
-220.000	275.000	-642.334	-2.108
-220.000	280.000	-646.912	-1.006
-220.000	285.000	-537.140	7.287
-220.000	290.000	-641.418	-0.166
-220.000	295.000	-619.750	-0.567
-220.000	300.000	-641.938	2.036
-220.000	305.000	-652.403	-2.595
-220.000	310.000	-664.886	-1.408
-220.000	315.000	-660.218	-0.995
-220.000	320.000	-574.830	9.174
-220.000	325.000	-665.894	-0.403
-220.000	330.000	-658.904	-1.710
-230.000	330.000	24.506	-10.443
-230.000	325.000	26.490	-11.090
-230.000	320.000	27.466	-11.636
-230.000	315.000	30.242	-9.682
-230.000	310.000	29.328	-10.721
-230.000	305.000	30.304	-10.878
-230.000	300.000	37.628	-8.203
-230.000	295.000	41.992	-10.100
-230.000	290.000	38.270	-9.186
-230.000	285.000	35.492	-9.050
-230.000	280.000	36.316	-9.164
-230.000	275.000	37.262	-6.858
-230.000	270.000	35.798	-7.242
-230.000	265.000	34.974	-8.788
-230.000	260.000	-630.920	-9.190
-230.000	255.000	-590.546	-8.659
-230.000	250.000	-549.438	9.316
-230.000	245.000	-559.296	9.373
-230.000	240.000	-628.632	-2.819
-230.000	235.000	-546.662	10.332
-230.000	230.000	37.506	-5.721
-230.000	225.000	40.802	-15.424
-230.000	220.000	37.842	-20.137
-230.000	215.000	30.944	-27.651

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-230.000	210.000	52.032	-7.841
-230.000	205.000	38.726	-8.690
-230.000	200.000	45.104	-8.613
-230.000	195.000	39.916	-9.431
-230.000	190.000	38.880	-9.449
-230.000	185.000	36.042	-9.465
-230.000	180.000	33.172	-9.363
-230.000	175.000	-557.526	-9.405
-230.000	170.000	-603.088	-9.578
-230.000	165.000	-463.745	1.156
-230.000	160.000	-596.404	-0.537
-230.000	155.000	-475.524	11.234
-230.000	150.000	23.590	-9.668
-230.000	145.000	23.864	-9.306
-230.000	140.000	24.170	-9.493
-230.000	135.000	26.276	-9.827
-230.000	130.000	27.466	-9.508
-230.000	125.000	27.954	-9.326
-230.000	120.000	26.886	-9.355
-230.000	115.000	27.770	-9.497
-230.000	110.000	29.236	-9.326
-240.000	120.000	28.870	-8.687
-240.000	125.000	40.954	-12.505
-240.000	130.000	30.762	-9.282
-240.000	135.000	31.066	-9.660
-240.000	140.000	39.520	-9.574
-240.000	145.000	38.178	-8.997
-240.000	150.000	34.180	-9.460
-240.000	155.000	31.890	-9.434
-240.000	160.000	30.854	-9.390
-240.000	165.000	31.494	-9.447
-240.000	170.000	29.846	-9.653
-240.000	175.000	35.004	-9.866
-240.000	180.000	34.638	-9.594
-240.000	185.000	36.712	-9.850
-240.000	190.000	37.994	-9.539
-240.000	195.000	40.466	-9.080
-240.000	200.000	38.238	-9.578
-240.000	205.000	41.504	-9.293
-240.000	210.000	42.724	-8.903
-240.000	215.000	40.344	-10.608
-240.000	220.000	40.406	-9.758
-240.000	225.000	30.610	-14.934
-240.000	230.000	34.150	-8.146
-240.000	235.000	23.498	-8.457
-240.000	240.000	30.976	-6.674
-240.000	245.000	31.280	-7.963
-240.000	250.000	33.234	-7.316
-240.000	255.000	29.786	-8.005
-240.000	260.000	37.536	-8.409

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-240.000	265.000	39.978	-7.711
-240.000	270.000	37.720	-7.527
-240.000	275.000	42.816	-7.689
-240.000	280.000	29.388	-11.558
-240.000	285.000	-12.878	-32.718
-240.000	290.000	12.084	-32.693
-240.000	295.000	-21.728	-32.731
-240.000	300.000	30.334	-10.340
-240.000	305.000	30.456	-10.039
-240.000	310.000	32.592	-10.287
-240.000	315.000	34.790	-10.096
-240.000	320.000	33.142	-10.013
-240.000	325.000	32.654	-9.901
-240.000	330.000	38.636	-10.770
-250.000	330.000	38.452	-10.246
-250.000	325.000	36.254	-9.938
-250.000	320.000	36.622	-9.455
-250.000	315.000	28.534	-12.992
-250.000	310.000	32.928	-10.156
-250.000	305.000	31.524	-11.474
-250.000	300.000	29.480	-8.844
-250.000	295.000	33.814	-2.513
-250.000	290.000	27.802	-18.897
-250.000	285.000	19.592	-16.198
-250.000	280.000	85.876	14.165
-250.000	275.000	36.010	-9.159
-250.000	270.000	36.132	-8.378
-250.000	265.000	34.852	-7.566
-250.000	260.000	32.776	-7.549
-250.000	255.000	33.050	-7.137
-250.000	250.000	44.494	6.249
-250.000	245.000	43.762	2.444
-250.000	240.000	51.240	13.751
-250.000	235.000	40.344	-1.072
-250.000	230.000	-7.264	-32.955
-250.000	225.000	63.416	10.545
-250.000	220.000	-107.514	-32.992
-250.000	215.000	44.068	-5.216
-250.000	210.000	35.308	-8.975
-250.000	205.000	33.660	-9.109
-250.000	200.000	33.782	-9.398
-250.000	195.000	32.288	-9.144
-250.000	190.000	31.524	-9.592
-250.000	185.000	33.874	-9.552
-250.000	180.000	32.990	-9.212
-250.000	175.000	36.652	-9.449
-250.000	170.000	38.056	-9.276
-250.000	165.000	41.810	-9.304
-250.000	160.000	43.030	-9.366
-250.000	155.000	45.166	-9.267

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-250.000	150.000	44.586	-8.848
-250.000	145.000	38.726	-9.546
-250.000	140.000	31.646	-9.390
-250.000	135.000	28.686	-9.308
-250.000	130.000	32.410	-9.223
-250.000	125.000	34.790	-8.876
-250.000	120.000	34.760	-8.626
-260.000	120.000	41.198	-2.865
-260.000	125.000	33.386	-8.027
-260.000	130.000	31.708	-8.639
-260.000	135.000	30.030	-9.002
-260.000	140.000	33.050	-9.467
-260.000	145.000	34.942	-9.559
-260.000	150.000	36.316	-8.934
-260.000	155.000	37.872	-8.727
-260.000	160.000	37.018	-8.719
-260.000	165.000	38.300	-9.262
-260.000	170.000	41.656	-9.109
-260.000	175.000	41.352	-9.438
-260.000	180.000	39.826	-9.383
-260.000	185.000	38.544	-9.620
-260.000	190.000	35.950	-9.234
-260.000	195.000	34.516	-9.550
-260.000	200.000	32.104	-9.223
-260.000	205.000	30.854	-9.239
-260.000	210.000	31.678	-9.100
-260.000	215.000	32.624	-8.674
-260.000	220.000	31.860	-9.976
-260.000	225.000	32.868	-21.582
-260.000	230.000	37.446	-12.754
-260.000	235.000	36.164	-12.372
-260.000	240.000	37.750	-12.247
-260.000	245.000	25.848	-14.943
-260.000	250.000	-54.290	-32.873
-260.000	255.000	21.636	-32.827
-260.000	260.000	-66.558	-32.869
-260.000	265.000	39.002	-3.330
-260.000	270.000	46.326	4.360
-260.000	275.000	31.312	-7.760
-260.000	280.000	24.872	-8.887
-260.000	285.000	24.688	-8.121
-260.000	290.000	27.404	-6.934
-260.000	295.000	30.456	-9.519
-260.000	300.000	18.738	-15.367
-260.000	305.000	18.920	-17.197
-260.000	310.000	25.482	-12.541
-260.000	315.000	30.212	-9.195
-260.000	320.000	31.860	-9.914
-260.000	325.000	37.902	-9.467
-260.000	330.000	40.314	-9.730

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-270.000	320.000	41.108	-9.798
-270.000	315.000	37.628	-10.022
-270.000	310.000	35.888	-9.076
-270.000	305.000	30.212	-9.734
-270.000	300.000	30.334	-8.942
-270.000	295.000	29.632	-8.080
-270.000	290.000	26.642	-8.029
-270.000	285.000	24.750	-7.645
-270.000	280.000	24.444	-8.179
-270.000	275.000	-42.084	-32.849
-270.000	270.000	30.456	-2.085
-270.000	265.000	-50.416	-32.838
-270.000	260.000	36.254	-8.997
-270.000	255.000	26.672	-17.408
-270.000	250.000	60.272	-11.079
-270.000	245.000	65.064	-6.156
-270.000	240.000	52.612	-8.734
-270.000	235.000	52.368	-8.934
-270.000	230.000	43.000	-9.137
-270.000	225.000	37.872	-9.146
-270.000	220.000	35.096	-9.309
-270.000	215.000	33.630	-9.587
-270.000	210.000	31.678	-9.289
-270.000	205.000	32.196	-9.179
-270.000	200.000	35.400	-8.874
-270.000	195.000	37.048	-9.651
-270.000	190.000	40.070	-9.829
-270.000	185.000	38.238	-9.491
-270.000	180.000	34.638	-9.390
-270.000	175.000	31.922	-9.649
-270.000	170.000	31.098	-9.719
-270.000	165.000	33.326	-9.271
-270.000	160.000	31.646	-9.556
-270.000	155.000	31.128	-9.782
-270.000	150.000	31.982	-9.451
-280.000	160.000	32.714	-9.473
-280.000	165.000	32.136	-9.752
-280.000	170.000	30.182	-9.754
-280.000	175.000	32.440	-9.326
-280.000	180.000	32.836	-9.594
-280.000	185.000	31.586	-9.289
-280.000	190.000	35.186	-9.592
-280.000	195.000	36.804	-9.750
-280.000	200.000	38.300	-8.890
-280.000	205.000	40.070	-9.561
-280.000	210.000	38.238	-9.478
-280.000	215.000	34.790	-9.199
-280.000	220.000	33.660	-9.489
-280.000	225.000	36.224	-9.148
-280.000	230.000	43.884	-8.635

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-280.000	235.000	46.662	-22.386
-280.000	240.000	59.266	16.877
-280.000	245.000	82.184	43.342
-280.000	250.000	55.024	-6.364
-280.000	255.000	48.768	-12.385
-280.000	260.000	42.022	-10.371
-280.000	265.000	38.116	-9.179
-280.000	270.000	36.286	-8.343
-280.000	275.000	32.440	-8.889
-280.000	280.000	33.082	-8.933
-280.000	285.000	33.936	-9.706
-280.000	290.000	34.912	-9.541
-280.000	295.000	38.024	-9.559
-280.000	300.000	38.116	-9.622
-290.000	300.000	35.248	-9.635
-290.000	295.000	34.516	-9.603
-290.000	290.000	35.492	-9.585
-290.000	285.000	34.210	-9.249
-290.000	280.000	31.586	-9.510
-290.000	275.000	32.868	-9.313
-290.000	270.000	36.316	-9.464
-290.000	265.000	45.440	-8.620
-290.000	260.000	50.202	-9.513
-290.000	255.000	57.250	-9.475
-290.000	250.000	61.982	-9.517
-290.000	245.000	57.128	-10.831
-290.000	240.000	54.230	-11.364
-290.000	235.000	52.308	-8.567
-290.000	230.000	43.640	-9.094
-290.000	225.000	41.504	-9.465
-290.000	220.000	43.580	-9.524
-290.000	215.000	37.354	-9.225
-290.000	210.000	33.508	-8.971
-290.000	205.000	27.070	-9.366
-290.000	200.000	26.948	-9.291
-290.000	195.000	29.174	-9.725
-290.000	190.000	31.342	-9.675
-290.000	185.000	31.220	-9.800
-290.000	180.000	30.212	-9.521
-290.000	175.000	32.136	-9.541
-290.000	170.000	31.586	-9.363
-290.000	165.000	34.058	-9.502
-290.000	160.000	33.538	-8.517
-300.000	170.000	31.738	-9.015
-300.000	175.000	33.326	-9.585
-300.000	180.000	30.212	-9.651
-300.000	185.000	33.814	-9.817
-300.000	190.000	35.858	-9.370
-300.000	195.000	35.614	-9.673

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-300.000	200.000	34.484	-9.561
-300.000	205.000	32.440	-9.640
-300.000	210.000	34.362	-9.614
-300.000	215.000	32.440	-9.425
-300.000	220.000	36.072	-9.348
-300.000	225.000	41.138	-9.769
-300.000	230.000	43.458	-10.476
-300.000	235.000	44.158	-9.392
-300.000	240.000	48.858	-9.677
-300.000	245.000	52.856	-9.350
-300.000	250.000	61.004	-9.497
-300.000	255.000	63.812	-7.762
-300.000	260.000	56.762	-11.274
-300.000	265.000	41.290	-32.770
-300.000	270.000	37.964	-26.934
-300.000	275.000	39.916	-6.199
-300.000	280.000	33.050	-8.282
-300.000	285.000	31.616	-9.039
-300.000	290.000	33.416	-9.557
-300.000	295.000	35.584	-9.489
-300.000	300.000	30.914	-9.932
-310.000	280.000	28.748	-7.757
-310.000	275.000	37.720	-2.042
-310.000	270.000	29.206	-32.790
-310.000	265.000	39.094	-32.781
-310.000	260.000	44.922	-32.770
-310.000	255.000	55.054	-4.409
-310.000	250.000	44.830	-9.262
-310.000	245.000	42.420	-9.682
-310.000	240.000	41.046	-9.074
-310.000	235.000	39.428	-9.344
-310.000	230.000	36.988	-9.590
-310.000	225.000	35.064	-9.359
-310.000	220.000	32.012	-9.285
-310.000	215.000	31.158	-9.188
-310.000	210.000	32.074	-9.658
-310.000	205.000	32.746	-9.535
-310.000	200.000	30.670	-9.616
-310.000	195.000	32.684	-9.629
-310.000	190.000	31.434	-9.155
-310.000	185.000	32.898	-9.631
-310.000	180.000	34.180	-8.811
-310.000	175.000	35.400	-8.416
-310.000	170.000	37.812	-5.451
-320.000	180.000	32.806	-7.940
-320.000	185.000	31.128	-8.681
-320.000	190.000	31.830	-9.028
-320.000	195.000	32.776	-9.363
-320.000	200.000	31.678	-9.502

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-320.000	205.000	33.234	-9.010
-320.000	210.000	32.836	-9.091
-320.000	215.000	32.990	-9.221
-320.000	220.000	33.172	-9.605
-320.000	225.000	27.680	-9.715
-320.000	230.000	33.050	-9.717
-320.000	235.000	31.556	-9.640
-320.000	240.000	32.836	-9.315
-320.000	245.000	36.194	-9.311
-320.000	250.000	37.322	-9.098
-320.000	255.000	37.506	-8.867
-320.000	260.000	37.446	-7.740
-320.000	265.000	40.284	-7.171
-320.000	270.000	38.178	-7.027
-320.000	275.000	34.912	-7.896
-320.000	280.000	33.966	-8.916
-330.000	270.000	33.600	-9.025
-330.000	265.000	32.958	-9.326
-330.000	260.000	33.508	-9.609
-330.000	255.000	31.494	-9.550
-330.000	250.000	32.348	-9.613
-330.000	245.000	33.630	-9.846
-330.000	240.000	32.990	-8.957
-330.000	235.000	32.868	-9.739
-330.000	230.000	33.204	-9.936
-330.000	225.000	31.860	-9.952
-330.000	220.000	36.834	-9.813
-330.000	215.000	34.668	-9.861
-330.000	210.000	35.400	-9.684
-330.000	205.000	33.020	-8.940
-330.000	200.000	33.600	-8.894
-330.000	195.000	35.308	-8.220
-330.000	190.000	36.956	-7.656

APPENDIX D.8.

ELECTROMAGNETIC (EM-31) VERTICAL DIPOLE DATA FOR AREA J SURVEY

MOUND AREA J SURVEY
VERTICAL DIPOLE

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
0.000	330.000	-600.000	-15.810
0.000	325.000	39.246	-15.902
0.000	320.000	42.054	-16.218
0.000	315.000	47.058	-15.930
0.000	310.000	-472.869	-16.079
0.000	305.000	-508.484	-15.797
0.000	300.000	-525.633	-15.638
0.000	295.000	-560.700	-15.750
0.000	290.000	-721.647	-15.707
0.000	285.000	-770.568	-15.768
0.000	280.000	-781.219	-15.334
0.000	275.000	36.866	-15.739
0.000	270.000	-472.718	-15.911
0.000	265.000	-756.896	-15.777
0.000	260.000	-480.803	-15.838
0.000	255.000	41.474	-16.020
0.000	250.000	39.032	-15.645
0.000	245.000	42.480	-15.570
0.000	240.000	43.732	-15.292
0.000	235.000	38.056	-15.211
0.000	230.000	35.950	-18.019
0.000	225.000	31.464	-15.470
0.000	220.000	31.098	-15.992
0.000	215.000	39.550	-15.841
0.000	210.000	52.856	-15.744
0.000	205.000	50.660	-17.247
0.000	200.000	38.788	-15.847
0.000	195.000	31.464	-14.509
0.000	190.000	38.636	-15.665
0.000	185.000	43.854	-15.494
0.000	180.000	46.264	-15.542
0.000	175.000	46.052	-15.465
0.000	170.000	45.532	-15.529
0.000	165.000	50.506	-15.757
0.000	160.000	47.760	-15.744
-10.000	100.000	57.068	-15.913
-10.000	105.000	46.386	-15.507
-10.000	110.000	39.124	-18.396
-10.000	115.000	29.114	-16.244
-10.000	120.000	27.680	-15.393
-10.000	125.000	34.424	-15.685
-10.000	130.000	48.278	-16.525
-10.000	135.000	41.108	-16.297
-10.000	140.000	41.412	-15.930
-10.000	145.000	41.870	-16.360
-10.000	150.000	42.480	-15.796
-10.000	155.000	39.550	-15.781

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-10.000	160.000	33.386	-16.297
-10.000	165.000	30.060	-16.224
-10.000	170.000	32.380	-15.882
-10.000	175.000	36.500	-15.840
-10.000	180.000	37.872	-15.797
-10.000	185.000	40.650	-15.735
-10.000	190.000	41.230	-15.827
-10.000	195.000	35.920	-15.796
-10.000	200.000	37.232	-15.468
-10.000	205.000	41.870	-15.434
-10.000	210.000	45.624	-15.856
-10.000	215.000	39.582	-14.504
-10.000	220.000	35.980	-15.016
-10.000	225.000	38.666	-14.827
-10.000	230.000	38.422	-15.823
-10.000	235.000	36.194	-15.366
-10.000	240.000	31.098	-18.164
-10.000	245.000	30.944	-15.603
-10.000	250.000	29.358	-14.417
-10.000	255.000	38.574	-15.558
-10.000	260.000	40.618	-15.101
-10.000	265.000	41.168	-15.863
-10.000	270.000	38.330	-15.814
-10.000	275.000	35.644	-15.974
-10.000	280.000	38.360	-15.825
-10.000	285.000	40.588	-15.768
-10.000	290.000	37.934	-15.954
-10.000	295.000	36.500	-15.814
-10.000	300.000	41.290	-15.911
-10.000	305.000	37.964	-15.770
-10.000	310.000	42.176	-15.862
-10.000	315.000	37.414	-15.077
-10.000	320.000	39.094	-15.972
-10.000	325.000	37.232	-16.084
-10.000	330.000	38.574	-15.998
-20.000	330.000	34.698	-15.994
-20.000	325.000	37.506	-15.954
-20.000	320.000	38.726	-15.568
-20.000	315.000	39.948	-16.108
-20.000	310.000	38.880	-15.965
-20.000	305.000	39.338	-16.520
-20.000	300.000	41.534	-15.557
-20.000	295.000	29.786	-15.709
-20.000	290.000	23.712	-15.395
-20.000	285.000	-234.192	-15.932
-20.000	280.000	40.986	-15.853
-20.000	275.000	33.630	-15.674
-20.000	270.000	31.342	-15.555
-20.000	265.000	33.752	-15.882
-20.000	260.000	37.720	-15.757

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-20.000	255.000	33.874	-17.842
-20.000	250.000	30.944	-19.983
-20.000	245.000	31.982	-20.013
-20.000	240.000	-452.972	-15.860
-20.000	235.000	23.010	-15.435
-20.000	230.000	23.194	-15.889
-20.000	225.000	-449.494	-15.924
-20.000	220.000	-456.085	-15.520
-20.000	215.000	-385.436	-17.010
-20.000	210.000	-727.508	-19.452
-20.000	205.000	37.476	-15.500
-20.000	200.000	35.308	-15.334
-20.000	195.000	44.982	-16.135
-20.000	190.000	39.764	-15.509
-20.000	185.000	32.746	-15.407
-20.000	180.000	36.042	-15.560
-20.000	175.000	39.398	-16.227
-20.000	170.000	34.668	-15.224
-20.000	165.000	-440.002	-15.064
-20.000	160.000	37.232	-15.182
-20.000	155.000	-376.463	-15.623
-20.000	150.000	-470.458	-15.279
-20.000	145.000	36.072	-15.424
-20.000	140.000	36.438	-15.847
-20.000	135.000	36.834	-16.786
-20.000	130.000	40.314	-16.154
-20.000	125.000	43.212	-16.058
-20.000	120.000	-422.364	-15.349
-20.000	115.000	-450.440	-15.639
-20.000	110.000	20.264	-19.377
-20.000	105.000	-452.118	-19.513
-20.000	100.000	-463.684	-15.853
-20.000	95.000	-397.093	-15.564
-20.000	90.000	29.022	-16.012
-20.000	85.000	-447.266	-15.628
-20.000	80.000	-455.414	-15.149
-20.000	75.000	35.096	-15.838
-20.000	70.000	-448.792	-15.810
-20.000	65.000	-425.202	-15.140
-20.000	60.000	-440.308	-15.320
-20.000	55.000	-437.134	-15.419
-20.000	50.000	38.208	-15.428
-30.000	0.000	33.570	-16.328
-30.000	5.000	36.438	-16.174
-30.000	10.000	35.676	-16.119
-30.000	15.000	35.278	-16.053
-30.000	20.000	36.712	-15.751
-30.000	25.000	39.704	-15.004
-30.000	30.000	42.236	-14.427
-30.000	35.000	38.056	-16.666

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-30.000	40.000	32.532	-16.363
-30.000	45.000	30.944	-14.342
-30.000	50.000	31.646	-13.603
-30.000	55.000	37.568	-15.072
-30.000	60.000	38.146	-16.018
-30.000	65.000	21.240	-16.244
-30.000	70.000	36.468	-15.136
-30.000	75.000	50.872	-15.312
-30.000	80.000	45.990	-16.124
-30.000	85.000	36.500	-15.331
-30.000	90.000	33.172	-15.073
-30.000	95.000	32.074	-15.314
-30.000	100.000	36.866	-15.250
-30.000	105.000	34.394	-15.682
-30.000	110.000	47.486	-11.994
-30.000	115.000	70.466	18.114
-30.000	120.000	35.920	-12.468
-30.000	125.000	-51.636	-32.538
-30.000	130.000	43.244	-12.497
-30.000	135.000	36.468	-15.889
-30.000	140.000	36.468	-15.182
-30.000	145.000	36.988	-14.645
-30.000	150.000	39.826	-15.667
-30.000	155.000	38.758	-17.381
-30.000	160.000	36.286	-15.919
-30.000	165.000	40.924	-14.361
-30.000	170.000	42.298	-14.700
-30.000	175.000	37.658	-14.623
-30.000	180.000	29.358	-14.445
-30.000	185.000	37.170	-14.616
-30.000	190.000	46.998	-15.746
-30.000	195.000	39.520	-16.079
-30.000	200.000	37.964	-16.909
-30.000	205.000	36.072	-16.931
-30.000	210.000	40.284	-16.808
-30.000	215.000	37.048	-15.707
-30.000	220.000	27.038	-15.375
-30.000	225.000	20.324	-14.388
-30.000	230.000	28.962	-15.399
-30.000	235.000	40.924	-15.942
-30.000	240.000	34.484	-15.551
-30.000	245.000	30.732	-16.584
-30.000	250.000	36.622	-15.757
-30.000	255.000	37.750	-15.768
-30.000	260.000	40.588	-15.786
-30.000	265.000	37.200	-15.500
-30.000	270.000	32.562	-15.606
-30.000	275.000	31.860	-15.422
-30.000	280.000	32.044	-15.595
-30.000	285.000	12.268	-15.415
-30.000	290.000	17.486	-15.533

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-30.000	295.000	49.194	-16.220
-30.000	300.000	45.350	-16.382
-30.000	305.000	36.530	-15.797
-30.000	310.000	35.492	-16.040
-30.000	315.000	36.804	-15.939
-30.000	320.000	36.622	-15.895
-30.000	325.000	36.010	-16.141
-30.000	330.000	37.720	-15.946
-40.000	330.000	32.868	-15.884
-40.000	325.000	32.288	-15.603
-40.000	320.000	34.088	-15.783
-40.000	315.000	35.736	-15.920
-40.000	310.000	35.400	-16.358
-40.000	305.000	33.234	-16.146
-40.000	300.000	41.900	-15.987
-40.000	295.000	40.162	-15.105
-40.000	290.000	36.744	-16.690
-40.000	285.000	29.296	-16.282
-40.000	280.000	36.956	-16.132
-40.000	275.000	36.194	-16.497
-40.000	270.000	35.676	-15.856
-40.000	265.000	31.586	-15.505
-40.000	260.000	30.914	-15.832
-40.000	255.000	32.044	-15.992
-40.000	250.000	30.334	-16.222
-40.000	245.000	33.814	-15.911
-40.000	240.000	32.136	-16.172
-40.000	235.000	2.442	-24.786
-40.000	230.000	32.592	-15.068
-40.000	225.000	31.372	-14.327
-40.000	220.000	39.368	-14.897
-40.000	215.000	40.284	-16.451
-40.000	210.000	32.074	-15.263
-40.000	205.000	29.968	-15.932
-40.000	200.000	36.132	-16.689
-40.000	195.000	35.064	-15.976
-40.000	190.000	40.954	-15.419
-40.000	185.000	41.748	-15.169
-40.000	180.000	41.076	-15.524
-40.000	175.000	45.196	-14.757
-40.000	170.000	43.366	-15.950
-40.000	165.000	29.602	-24.108
-40.000	160.000	34.424	-19.276
-40.000	155.000	17.578	-21.367
-40.000	150.000	2.624	-26.651
-40.000	145.000	-21.820	-23.140
-40.000	140.000	-18.096	-22.848
-40.000	135.000	11.994	-23.059
-40.000	130.000	34.606	-15.377
-40.000	125.000	36.376	-14.541

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-40.000	120.000	38.848	-14.759
-40.000	115.000	43.090	-13.870
-40.000	110.000	44.158	-13.831
-40.000	105.000	39.704	-14.423
-40.000	100.000	32.288	-18.734
-40.000	95.000	31.250	-19.915
-40.000	90.000	26.428	-20.180
-40.000	85.000	30.060	-18.208
-40.000	80.000	35.308	-16.571
-40.000	75.000	40.986	-15.636
-40.000	70.000	38.910	-14.462
-40.000	65.000	29.968	-13.728
-40.000	60.000	26.824	-14.254
-40.000	55.000	34.790	-14.024
-40.000	50.000	37.568	-11.465
-40.000	45.000	38.604	-11.643
-40.000	40.000	15.656	-32.509
-40.000	35.000	8.636	-32.511
-40.000	30.000	17.304	-32.483
-40.000	25.000	39.672	-12.892
-40.000	20.000	35.186	-15.314
-40.000	15.000	31.952	-15.450
-40.000	10.000	28.840	-15.932
-40.000	5.000	27.802	-17.532
-40.000	0.000	34.394	-16.247
-50.000	0.000	33.082	-17.014
-50.000	5.000	31.372	-16.319
-50.000	10.000	29.114	-16.023
-50.000	15.000	29.602	-15.759
-50.000	20.000	33.356	-15.672
-50.000	25.000	34.698	-15.344
-50.000	30.000	33.966	-13.723
-50.000	35.000	37.232	-13.455
-50.000	40.000	-192.414	-32.505
-50.000	45.000	0.580	-10.090
-50.000	50.000	-55.268	-31.010
-50.000	55.000	25.176	-32.491
-50.000	60.000	25.360	-18.783
-50.000	65.000	19.958	-32.485
-50.000	70.000	36.744	-14.504
-50.000	75.000	37.292	-15.434
-50.000	80.000	33.264	-15.974
-50.000	85.000	28.962	-15.961
-50.000	90.000	38.300	-13.185
-50.000	95.000	32.348	-16.801
-50.000	100.000	25.360	-20.327
-50.000	105.000	27.618	-18.236
-50.000	110.000	30.426	-16.569
-50.000	115.000	34.028	-15.424
-50.000	120.000	36.224	-14.976

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-50.000	125.000	34.760	-15.241
-50.000	130.000	40.008	-16.185
-50.000	135.000	35.034	-15.285
-50.000	140.000	24.902	-14.846
-50.000	145.000	28.168	-17.174
-50.000	150.000	49.560	-13.245
-50.000	155.000	46.204	-11.343
-50.000	160.000	40.314	-10.890
-50.000	165.000	33.996	-16.753
-50.000	170.000	38.696	-17.558
-50.000	175.000	39.826	-14.529
-50.000	180.000	40.070	-14.917
-50.000	185.000	44.434	-15.467
-50.000	190.000	32.836	-15.814
-50.000	195.000	31.036	-15.485
-50.000	200.000	34.820	-15.792
-50.000	205.000	34.790	-15.549
-50.000	210.000	41.748	-15.189
-50.000	215.000	38.392	-15.412
-50.000	220.000	33.386	-15.974
-50.000	225.000	32.104	-16.156
-50.000	230.000	32.714	-16.904
-50.000	235.000	31.098	-16.518
-50.000	240.000	33.752	-15.127
-50.000	245.000	36.194	-14.895
-50.000	250.000	33.112	-15.391
-50.000	255.000	30.640	-16.273
-50.000	260.000	26.368	-15.338
-50.000	265.000	26.276	-16.018
-50.000	270.000	29.694	-16.323
-50.000	275.000	31.800	-15.840
-50.000	280.000	32.684	-16.110
-50.000	285.000	37.262	-15.628
-50.000	290.000	37.842	-15.667
-50.000	295.000	36.468	-15.390
-50.000	300.000	33.906	-15.141
-50.000	305.000	35.492	-15.114
-50.000	310.000	36.834	-15.652
-50.000	315.000	34.668	-16.034
-50.000	320.000	31.616	-16.014
-50.000	325.000	31.768	-15.834
-50.000	330.000	31.586	-15.942
-60.000	330.000	32.898	-15.573
-60.000	325.000	32.258	-15.450
-60.000	320.000	34.790	-15.614
-60.000	315.000	35.888	-14.853
-60.000	310.000	33.692	-15.358
-60.000	305.000	35.584	-15.689
-60.000	300.000	34.882	-15.933
-60.000	295.000	32.898	-15.290

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-60.000	290.000	36.042	-15.654
-60.000	285.000	38.056	-16.020
-60.000	280.000	37.598	-17.589
-60.000	275.000	32.654	-16.033
-60.000	270.000	33.204	-15.422
-60.000	265.000	35.186	-16.253
-60.000	260.000	34.180	-15.762
-60.000	255.000	32.868	-15.860
-60.000	250.000	33.692	-15.663
-60.000	245.000	34.150	-15.581
-60.000	240.000	35.920	-15.586
-60.000	235.000	33.570	-15.555
-60.000	230.000	35.552	-15.422
-60.000	225.000	37.902	-15.467
-60.000	220.000	35.034	-16.154
-60.000	215.000	27.832	-15.698
-60.000	210.000	32.166	-16.202
-60.000	205.000	35.584	-15.373
-60.000	200.000	40.650	-15.713
-60.000	195.000	39.520	-15.307
-60.000	190.000	39.886	-15.145
-60.000	185.000	44.678	-14.871
-60.000	180.000	44.220	-13.750
-60.000	175.000	36.590	-14.474
-60.000	170.000	30.304	-15.917
-60.000	165.000	37.200	-13.565
-60.000	160.000	42.634	-11.239
-60.000	155.000	42.480	-12.586
-60.000	150.000	47.364	-15.340
-60.000	145.000	41.320	-15.685
-60.000	140.000	30.030	-15.134
-60.000	135.000	32.288	-15.086
-60.000	130.000	40.924	-15.163
-60.000	125.000	40.894	-15.799
-60.000	120.000	37.964	-15.832
-60.000	115.000	36.376	-15.355
-60.000	110.000	33.936	-16.209
-60.000	105.000	31.890	-16.249
-60.000	100.000	31.556	-16.861
-60.000	95.000	36.132	-15.390
-60.000	90.000	37.872	-14.388
-60.000	85.000	37.200	-15.753
-60.000	80.000	34.942	-15.287
-60.000	75.000	33.630	-17.005
-60.000	70.000	26.856	-20.687
-60.000	65.000	31.830	-19.503
-60.000	60.000	42.756	-14.070
-60.000	55.000	41.718	-13.403
-60.000	50.000	42.572	-12.341
-60.000	45.000	41.962	-12.088
-60.000	40.000	39.704	-13.879

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-60.000	35.000	36.560	-13.795
-60.000	30.000	34.150	-14.772
-60.000	25.000	35.522	-15.369
-60.000	20.000	34.942	-16.031
-60.000	15.000	30.304	-16.086
-60.000	10.000	31.800	-16.216
-60.000	5.000	29.206	-16.053
-60.000	0.000	28.472	-16.505
-70.000	0.000	25.390	-15.790
-70.000	5.000	27.038	-16.119
-70.000	10.000	30.610	-16.413
-70.000	15.000	30.030	-16.097
-70.000	20.000	30.670	-15.720
-70.000	25.000	30.212	-15.544
-70.000	30.000	32.012	-15.004
-70.000	35.000	33.508	-15.676
-70.000	40.000	35.308	-15.407
-70.000	45.000	35.644	-14.373
-70.000	50.000	30.854	-21.681
-70.000	55.000	32.806	-21.264
-70.000	60.000	37.140	-15.509
-70.000	65.000	35.706	-15.169
-70.000	70.000	29.632	-15.731
-70.000	75.000	33.142	-15.792
-70.000	80.000	38.392	-15.702
-70.000	85.000	38.636	-16.216
-70.000	90.000	39.856	-14.498
-70.000	95.000	42.388	-14.280
-70.000	100.000	40.162	-14.140
-70.000	105.000	34.484	-16.134
-70.000	110.000	37.506	-18.592
-70.000	115.000	47.730	-16.981
-70.000	120.000	32.074	-16.262
-70.000	125.000	21.332	-15.196
-70.000	130.000	17.028	-15.057
-70.000	135.000	29.938	-15.626
-70.000	140.000	32.592	-15.198
-70.000	145.000	35.858	-14.201
-70.000	150.000	43.366	-14.519
-70.000	155.000	45.166	-13.591
-70.000	160.000	43.640	-10.226
-70.000	165.000	33.874	-8.749
-70.000	170.000	35.644	-12.725
-70.000	175.000	37.994	-14.022
-70.000	180.000	39.826	-13.774
-70.000	185.000	42.176	-13.914
-70.000	190.000	41.046	-15.474
-70.000	195.000	39.032	-15.961
-70.000	200.000	38.116	-16.128
-70.000	205.000	42.450	-15.400

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-70.000	210.000	35.004	-15.836
-70.000	215.000	34.576	-15.472
-70.000	220.000	33.508	-17.264
-70.000	225.000	36.254	-16.700
-70.000	230.000	38.604	-15.200
-70.000	235.000	35.766	-15.628
-70.000	240.000	31.464	-15.531
-70.000	245.000	32.196	-15.845
-70.000	250.000	32.196	-18.971
-70.000	255.000	32.440	-15.922
-70.000	260.000	38.422	-18.713
-70.000	265.000	33.356	-18.515
-70.000	270.000	25.756	-17.359
-70.000	275.000	30.944	-18.967
-70.000	280.000	30.792	-15.294
-70.000	285.000	31.982	-14.862
-70.000	290.000	35.064	-15.737
-70.000	295.000	35.888	-15.992
-70.000	300.000	33.996	-15.805
-70.000	305.000	25.910	-20.310
-70.000	310.000	30.488	-15.988
-70.000	315.000	26.306	-16.736
-70.000	320.000	32.410	-15.682
-70.000	325.000	32.684	-15.257
-70.000	330.000	35.218	-15.843
-80.000	330.000	35.248	-14.127
-80.000	325.000	35.004	-15.547
-80.000	320.000	30.334	-16.753
-80.000	315.000	26.336	-14.820
-80.000	310.000	27.558	-15.520
-80.000	305.000	29.876	-15.908
-80.000	300.000	31.708	-15.224
-80.000	295.000	33.874	-15.582
-80.000	290.000	35.430	-15.608
-80.000	285.000	36.408	-16.080
-80.000	280.000	34.454	-16.705
-80.000	275.000	32.288	-16.316
-80.000	270.000	35.186	-17.817
-80.000	265.000	51.788	-17.488
-80.000	260.000	23.316	-16.117
-80.000	255.000	5.494	-15.114
-80.000	250.000	33.264	-15.253
-80.000	245.000	43.548	-16.045
-80.000	240.000	34.028	-15.698
-80.000	235.000	29.296	-15.805
-80.000	230.000	27.192	-16.123
-80.000	225.000	36.010	-16.538
-80.000	220.000	36.988	-16.700
-80.000	215.000	41.596	-16.148
-80.000	210.000	34.820	-15.792

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-80.000	205.000	38.574	-15.695
-80.000	200.000	42.664	-15.430
-80.000	195.000	40.924	-15.309
-80.000	190.000	38.116	-14.443
-80.000	185.000	40.894	-13.927
-80.000	180.000	42.144	-13.157
-80.000	175.000	37.536	-12.032
-80.000	170.000	41.168	-10.423
-80.000	165.000	43.976	-10.081
-80.000	160.000	41.900	-12.739
-80.000	155.000	40.740	-14.699
-80.000	150.000	39.978	-16.571
-80.000	145.000	41.412	-16.780
-80.000	140.000	45.380	-15.380
-80.000	135.000	44.404	-15.386
-80.000	130.000	43.488	-15.349
-80.000	125.000	33.538	-16.207
-80.000	120.000	34.942	-16.488
-80.000	115.000	49.836	-15.935
-80.000	110.000	55.084	-14.974
-80.000	105.000	44.892	-14.770
-80.000	100.000	28.534	-14.917
-80.000	95.000	33.600	-15.068
-80.000	90.000	43.976	-15.489
-80.000	85.000	45.166	-16.014
-80.000	80.000	43.610	-15.933
-80.000	75.000	42.846	-15.933
-80.000	70.000	40.924	-16.069
-80.000	65.000	39.704	-15.799
-80.000	60.000	40.252	-15.898
-80.000	55.000	37.780	-14.954
-80.000	50.000	32.836	-14.614
-80.000	45.000	31.616	-15.101
-80.000	40.000	34.424	-14.629
-80.000	35.000	34.240	-15.439
-80.000	30.000	34.118	-14.948
-80.000	25.000	33.112	-15.024
-80.000	20.000	30.090	-15.496
-80.000	15.000	28.534	-15.722
-80.000	10.000	30.060	-15.805
-80.000	5.000	31.036	-15.656
-80.000	0.000	-49.652	-32.696
-90.000	0.000	25.024	-15.803
-90.000	5.000	21.912	-15.841
-90.000	10.000	23.926	-15.309
-90.000	15.000	25.116	-15.483
-90.000	20.000	29.602	-15.682
-90.000	25.000	31.098	-15.467
-90.000	30.000	32.258	-15.823
-90.000	35.000	35.950	-14.544

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-90.000	40.000	35.218	-15.220
-90.000	45.000	32.532	-18.601
-90.000	50.000	34.088	-20.270
-90.000	55.000	39.368	-15.404
-90.000	60.000	39.764	-15.461
-90.000	65.000	39.154	-15.886
-90.000	70.000	38.482	-16.159
-90.000	75.000	40.314	-16.113
-90.000	80.000	46.142	-15.845
-90.000	85.000	54.412	-16.286
-90.000	90.000	61.248	-16.338
-90.000	95.000	58.532	-15.560
-90.000	100.000	33.660	-15.171
-90.000	105.000	35.462	-15.428
-90.000	110.000	55.726	-15.242
-90.000	115.000	59.478	-14.436
-90.000	120.000	57.342	-14.361
-90.000	125.000	53.466	-14.085
-90.000	130.000	47.912	-13.870
-90.000	135.000	46.722	-13.471
-90.000	140.000	40.100	-14.550
-90.000	145.000	39.582	-15.351
-90.000	150.000	46.966	-15.417
-90.000	155.000	43.488	-16.183
-90.000	160.000	39.612	-14.700
-90.000	165.000	37.384	-14.175
-90.000	170.000	34.728	-13.767
-90.000	175.000	31.036	-16.422
-90.000	180.000	35.492	-14.651
-90.000	185.000	37.720	-14.399
-90.000	190.000	36.102	-15.867
-90.000	195.000	35.004	-15.046
-90.000	200.000	29.908	-15.351
-90.000	205.000	29.694	-15.575
-90.000	210.000	35.736	-15.807
-90.000	215.000	34.394	-16.115
-90.000	220.000	33.782	-15.448
-90.000	225.000	35.400	-16.077
-90.000	230.000	37.384	-16.123
-90.000	235.000	36.956	-16.112
-90.000	240.000	29.266	-16.284
-90.000	245.000	33.204	-16.238
-90.000	250.000	40.496	-15.941
-90.000	255.000	36.132	-16.227
-90.000	260.000	37.292	-16.336
-90.000	265.000	40.374	-15.353
-90.000	270.000	37.536	-14.300
-90.000	275.000	36.194	-13.695
-90.000	280.000	33.844	-14.623
-90.000	285.000	25.818	-15.597
-90.000	290.000	25.268	-19.546

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-90.000	295.000	22.094	-20.461
-90.000	300.000	28.626	-15.889
-90.000	305.000	29.602	-15.566
-90.000	310.000	27.344	-16.562
-90.000	315.000	33.660	-14.906
-90.000	320.000	34.974	-14.811
-90.000	325.000	26.948	-17.436
-90.000	330.000	13.886	-23.513
-100.000	330.000	24.108	-17.006
-100.000	325.000	13.032	-29.552
-100.000	320.000	14.008	-25.839
-100.000	315.000	18.586	-21.534
-100.000	310.000	26.642	-17.692
-100.000	305.000	31.434	-14.493
-100.000	300.000	33.204	-13.545
-100.000	295.000	32.074	-13.275
-100.000	290.000	32.990	-14.800
-100.000	285.000	32.928	-15.687
-100.000	280.000	27.588	-16.363
-100.000	275.000	30.732	-14.737
-100.000	270.000	33.448	-13.058
-100.000	265.000	32.502	-13.256
-100.000	260.000	7.568	-24.819
-100.000	255.000	33.966	-15.459
-100.000	250.000	33.050	-15.524
-100.000	245.000	29.664	-15.547
-100.000	240.000	30.426	-15.994
-100.000	235.000	33.082	-16.000
-100.000	230.000	35.096	-16.971
-100.000	225.000	38.086	-17.131
-100.000	220.000	31.556	-17.677
-100.000	215.000	33.204	-15.044
-100.000	210.000	36.622	-16.051
-100.000	205.000	33.844	-15.897
-100.000	200.000	38.452	-15.693
-100.000	195.000	33.234	-15.384
-100.000	190.000	28.076	-15.487
-100.000	185.000	28.228	-14.825
-100.000	180.000	37.110	-15.891
-100.000	175.000	34.790	-15.669
-100.000	170.000	37.414	-15.294
-100.000	165.000	41.076	-14.993
-100.000	160.000	40.954	-15.182
-100.000	155.000	41.168	-14.847
-100.000	150.000	39.368	-14.752
-100.000	145.000	36.834	-15.755
-100.000	140.000	39.428	-16.747
-100.000	135.000	43.854	-15.176
-100.000	130.000	41.168	-16.374
-100.000	125.000	40.406	-15.762

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-100.000	120.000	39.886	-15.650
-100.000	115.000	40.314	-16.000
-100.000	110.000	44.036	-15.726
-100.000	105.000	53.162	-15.390
-100.000	100.000	57.708	-18.166
-100.000	95.000	68.420	-18.855
-100.000	90.000	66.558	-16.578
-100.000	85.000	48.034	-14.366
-100.000	80.000	39.948	-14.162
-100.000	75.000	57.952	-14.022
-100.000	70.000	69.306	-14.114
-100.000	65.000	60.578	-15.981
-100.000	60.000	53.344	-16.207
-100.000	55.000	47.058	-15.678
-100.000	50.000	42.236	-15.970
-100.000	45.000	40.496	-15.333
-100.000	40.000	39.002	-15.742
-100.000	35.000	41.596	-14.428
-100.000	30.000	4.700	-30.326
-100.000	25.000	36.622	-14.930
-100.000	20.000	36.376	-14.961
-100.000	15.000	30.640	-15.340
-100.000	10.000	27.008	-15.516
-100.000	5.000	25.788	-16.237
-100.000	0.000	28.686	-15.729
-100.000	-5.000	27.588	-15.382
-100.000	-10.000	24.964	-15.621
-100.000	-15.000	24.658	-15.819
-100.000	-20.000	26.612	-14.969
-100.000	-25.000	25.788	-16.028
-110.000	0.000	33.082	-16.477
-110.000	5.000	22.460	-15.384
-110.000	10.000	28.778	-15.178
-110.000	15.000	33.844	-16.385
-110.000	20.000	35.736	-16.652
-110.000	25.000	33.538	-15.424
-110.000	30.000	30.884	-15.560
-110.000	35.000	30.120	-15.955
-110.000	40.000	30.914	-15.889
-110.000	45.000	32.012	-16.055
-110.000	50.000	34.912	-15.976
-110.000	55.000	33.996	-16.271
-110.000	60.000	32.624	-16.413
-110.000	65.000	33.906	-17.835
-110.000	70.000	35.156	-15.654
-110.000	75.000	36.500	-15.841
-110.000	80.000	39.582	-14.897
-110.000	85.000	38.726	-18.717
-110.000	90.000	38.422	-19.312
-110.000	95.000	43.914	-17.172

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-110.000	100.000	-14.588	-32.860
-110.000	105.000	57.984	-13.958
-110.000	110.000	57.312	-12.810
-110.000	115.000	17.640	-32.829
-110.000	120.000	67.230	-9.585
-110.000	125.000	-0.794	-32.865
-110.000	130.000	56.060	-10.142
-110.000	135.000	42.724	-15.862
-110.000	140.000	40.314	-15.933
-110.000	145.000	41.442	-15.941
-110.000	150.000	32.104	-15.402
-110.000	155.000	27.924	-15.932
-110.000	160.000	30.242	-15.818
-110.000	165.000	32.470	-15.722
-110.000	170.000	33.082	-15.810
-110.000	175.000	34.302	-15.375
-110.000	180.000	28.472	-15.121
-110.000	185.000	29.418	-15.674
-110.000	190.000	35.462	-15.898
-110.000	195.000	32.380	-16.117
-110.000	200.000	35.278	-15.898
-110.000	205.000	33.844	-15.667
-110.000	210.000	39.124	-13.006
-110.000	215.000	38.482	-13.484
-110.000	220.000	44.952	-9.839
-110.000	225.000	34.058	-16.214
-110.000	230.000	32.898	-15.683
-110.000	235.000	31.188	-16.338
-110.000	240.000	31.586	-15.479
-110.000	245.000	32.258	-15.937
-110.000	250.000	36.224	-14.958
-110.000	255.000	33.692	-16.187
-110.000	260.000	31.646	-15.939
-110.000	265.000	30.944	-16.168
-110.000	270.000	29.114	-16.211
-110.000	275.000	33.204	-15.805
-110.000	280.000	27.558	-19.579
-110.000	285.000	27.770	-17.855
-110.000	290.000	25.696	-13.377
-110.000	295.000	33.570	-10.322
-110.000	300.000	34.912	-12.751
-110.000	305.000	32.990	-11.981
-110.000	310.000	26.886	-13.704
-110.000	315.000	18.524	-19.674
-110.000	320.000	10.224	-23.346
-110.000	325.000	39.734	-10.564
-110.000	330.000	-27.710	-32.939
-120.000	330.000	23.560	-15.774
-120.000	325.000	19.166	-16.273
-120.000	320.000	15.198	-18.401

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-120.000	315.000	25.390	-15.292
-120.000	310.000	27.404	-15.803
-120.000	305.000	32.624	-16.617
-120.000	300.000	18.586	-24.226
-120.000	295.000	29.602	-12.339
-120.000	290.000	8.332	-28.621
-120.000	285.000	27.526	-15.728
-120.000	280.000	31.280	-16.854
-120.000	275.000	28.260	-17.960
-120.000	270.000	35.370	-15.408
-120.000	265.000	34.942	-14.890
-120.000	260.000	35.888	-15.375
-120.000	255.000	37.322	-15.558
-120.000	250.000	32.836	-16.718
-120.000	245.000	33.936	-15.121
-120.000	240.000	25.238	-16.856
-120.000	235.000	28.168	-15.911
-120.000	230.000	32.136	-16.016
-120.000	225.000	32.624	-15.693
-120.000	220.000	29.450	-15.674
-120.000	215.000	28.564	-15.448
-120.000	210.000	29.236	-15.735
-120.000	205.000	28.656	-15.373
-120.000	200.000	27.160	-15.860
-120.000	195.000	31.280	-15.535
-120.000	190.000	-0.945	-31.182
-120.000	185.000	29.450	-18.329
-120.000	180.000	18.310	-17.480
-120.000	175.000	24.598	-18.552
-120.000	170.000	33.814	-15.136
-120.000	165.000	31.586	-14.860
-120.000	160.000	31.188	-15.570
-120.000	155.000	33.570	-16.009
-120.000	150.000	37.018	-16.268
-120.000	145.000	40.864	-15.818
-120.000	140.000	39.826	-16.045
-120.000	135.000	46.752	-15.711
-120.000	130.000	58.380	-16.005
-120.000	125.000	67.170	-15.720
-120.000	120.000	62.408	-13.934
-120.000	115.000	61.860	-14.713
-120.000	110.000	76.660	-15.016
-120.000	105.000	61.920	-15.336
-120.000	100.000	68.878	-14.088
-120.000	95.000	73.548	-9.763
-120.000	90.000	61.828	-12.271
-120.000	85.000	61.706	-14.182
-120.000	80.000	47.028	-15.130
-120.000	75.000	38.574	-15.919
-120.000	70.000	40.894	-16.033
-120.000	65.000	37.902	-16.183

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-120.000	60.000	41.108	-15.823
-120.000	55.000	32.898	-15.524
-120.000	50.000	27.130	-15.465
-120.000	45.000	32.806	-15.206
-120.000	40.000	33.020	-15.022
-120.000	35.000	30.976	-14.915
-120.000	30.000	30.304	-14.225
-120.000	25.000	29.266	-15.248
-120.000	20.000	32.380	-15.863
-120.000	15.000	32.684	-16.894
-120.000	10.000	34.698	-15.781
-120.000	5.000	-396.118	-15.018
-120.000	0.000	24.414	-15.981
-130.000	330.000	30.212	-6.404
-130.000	325.000	16.694	-12.942
-130.000	320.000	23.132	-9.489
-130.000	315.000	7.538	-15.198
-130.000	310.000	24.230	-10.250
-130.000	305.000	25.848	-8.442
-130.000	300.000	23.774	-8.161
-130.000	295.000	26.550	-8.486
-130.000	290.000	25.756	-9.175
-130.000	285.000	27.588	-8.141
-130.000	280.000	31.280	-7.233
-130.000	275.000	30.364	-7.387
-130.000	270.000	27.770	-7.564
-130.000	265.000	27.496	-7.650
-130.000	260.000	31.158	-7.703
-130.000	255.000	31.342	-7.909
-130.000	250.000	27.802	-7.826
-130.000	245.000	28.992	-7.939
-130.000	240.000	28.168	-8.227
-130.000	235.000	25.818	-7.975
-130.000	230.000	-441.498	-7.909
-130.000	225.000	-431.365	13.228
-130.000	220.000	-644.958	26.185
-130.000	215.000	-397.064	-8.121
-130.000	210.000	27.588	-7.771
-130.000	205.000	27.160	-8.345
-130.000	200.000	-436.340	-5.974
-130.000	195.000	-416.441	-8.295
-130.000	190.000	30.884	-8.262
-130.000	185.000	31.464	-7.220
-130.000	180.000	26.978	-6.860
-130.000	175.000	33.996	-6.906
-130.000	170.000	35.308	-7.237
-130.000	165.000	34.882	-8.065
-130.000	160.000	34.760	-8.302
-130.000	155.000	-346.739	21.533
-130.000	150.000	38.544	-8.363

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-130.000	145.000	43.854	-8.216
-130.000	140.000	-445.496	-7.702
-130.000	135.000	-364.380	-7.992
-130.000	130.000	-457.032	-7.939
-130.000	125.000	19.836	-7.417
-130.000	120.000	-437.530	-7.362
-130.000	115.000	64.514	-7.005
-130.000	110.000	-440.002	11.111
-130.000	105.000	-707.702	-6.838
-130.000	100.000	-365.754	-7.747
-130.000	95.000	-389.862	-7.678
-130.000	90.000	58.564	-8.086
-130.000	85.000	51.606	-8.104
-130.000	80.000	45.472	-8.325
-130.000	75.000	37.200	-8.378
-130.000	70.000	37.048	-8.451
-130.000	65.000	40.528	-8.797
-130.000	60.000	40.406	-8.161
-130.000	55.000	35.614	-8.874
-130.000	50.000	-449.798	-8.490
-130.000	45.000	-373.932	-8.602
-130.000	40.000	-443.328	-8.438
-130.000	35.000	-702.606	-8.339
-130.000	30.000	-374.481	-8.295
-130.000	25.000	-422.454	-8.653
-130.000	20.000	38.452	-7.307
-130.000	15.000	32.746	-9.745
-130.000	10.000	28.900	-12.328
-130.000	5.000	25.604	-9.151
-130.000	0.000	26.794	-7.209
-140.000	0.000	27.984	-6.303
-140.000	5.000	-437.592	12.226
-140.000	10.000	-423.034	-10.445
-140.000	15.000	-468.994	-5.487
-140.000	20.000	30.762	-8.499
-140.000	25.000	-443.420	-8.325
-140.000	30.000	29.480	-8.718
-140.000	35.000	22.828	-8.407
-140.000	40.000	27.314	-8.723
-140.000	45.000	26.764	-8.999
-140.000	50.000	24.902	-8.793
-140.000	55.000	28.656	-8.953
-140.000	60.000	27.100	-8.510
-140.000	65.000	25.910	-7.828
-140.000	70.000	25.788	-7.823
-140.000	75.000	25.208	-8.279
-140.000	80.000	29.174	-6.270
-140.000	85.000	36.438	-8.209
-140.000	90.000	43.212	-8.905
-140.000	95.000	50.354	-8.335

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-140.000	100.000	45.990	-8.051
-140.000	105.000	42.022	-8.168
-140.000	110.000	50.934	-8.282
-140.000	115.000	51.116	-8.477
-140.000	120.000	33.326	-8.190
-140.000	125.000	35.370	-8.719
-140.000	130.000	49.500	-8.451
-140.000	135.000	49.286	-7.793
-140.000	140.000	41.688	-8.133
-140.000	145.000	36.010	-8.462
-140.000	150.000	33.386	-7.911
-140.000	155.000	46.082	-2.228
-140.000	160.000	54.200	2.196
-140.000	165.000	46.386	-0.484
-140.000	170.000	59.600	7.482
-140.000	175.000	25.086	-8.405
-140.000	180.000	23.010	-8.975
-140.000	185.000	27.802	-7.483
-140.000	190.000	21.790	-8.225
-140.000	195.000	23.406	-8.394
-140.000	200.000	21.636	-8.286
-140.000	205.000	22.430	-7.413
-140.000	210.000	23.102	-8.273
-140.000	215.000	24.476	-8.121
-140.000	220.000	27.496	-8.903
-140.000	225.000	26.032	-8.756
-140.000	230.000	26.764	-8.925
-140.000	235.000	28.046	-9.069
-140.000	240.000	0.854	-4.350
-140.000	245.000	29.450	-9.050
-140.000	250.000	29.542	-11.070
-140.000	255.000	26.916	-7.145
-140.000	260.000	29.876	-8.106
-140.000	265.000	-456.999	-23.011
-140.000	270.000	-451.476	-9.631
-140.000	275.000	25.482	-7.566
-140.000	280.000	26.916	-8.218
-140.000	285.000	25.604	-8.657
-140.000	290.000	26.336	-5.397
-140.000	295.000	24.780	-7.981
-140.000	300.000	22.766	-7.933
-140.000	305.000	19.898	-7.251
-140.000	310.000	-462.006	-7.771
-140.000	315.000	-470.856	-6.948
-140.000	320.000	-469.300	-8.205
-140.000	325.000	-397.338	22.931
-140.000	330.000	-667.756	13.274
-150.000	330.000	-434.754	-9.025
-150.000	325.000	-453.735	13.018
-150.000	320.000	-679.870	15.041

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-150.000	315.000	-664.154	12.629
-150.000	310.000	-697.418	11.278
-150.000	305.000	35.950	-7.872
-150.000	300.000	35.492	-8.295
-150.000	295.000	37.964	-12.703
-150.000	290.000	39.154	-5.337
-150.000	285.000	32.836	-6.107
-150.000	280.000	33.906	-8.503
-150.000	275.000	34.606	-7.922
-150.000	270.000	31.982	-7.975
-150.000	265.000	33.082	-7.310
-150.000	260.000	34.576	-7.790
-150.000	255.000	34.180	-8.404
-150.000	250.000	32.104	-8.734
-150.000	245.000	30.030	-9.164
-150.000	240.000	32.440	-7.286
-150.000	235.000	34.546	-5.932
-150.000	230.000	30.030	-8.058
-150.000	225.000	24.230	-8.567
-150.000	220.000	24.200	-9.116
-150.000	215.000	-459.626	7.873
-150.000	210.000	-694.274	10.194
-150.000	205.000	25.146	-9.287
-150.000	200.000	24.780	-9.579
-150.000	195.000	26.214	-8.901
-150.000	190.000	24.292	-9.243
-150.000	185.000	24.780	-8.286
-150.000	180.000	23.926	-7.762
-150.000	175.000	18.616	-8.291
-150.000	170.000	21.026	-9.208
-150.000	165.000	20.904	-8.745
-150.000	160.000	22.126	-7.643
-150.000	155.000	20.752	-8.170
-150.000	150.000	18.646	-9.219
-150.000	145.000	21.270	-8.290
-150.000	140.000	21.728	-8.776
-150.000	135.000	21.820	-9.403
-150.000	130.000	24.750	-9.442
-150.000	125.000	24.810	-8.435
-150.000	120.000	24.476	-6.983
-150.000	115.000	24.932	-7.373
-150.000	110.000	24.994	-8.641
-150.000	105.000	26.398	-8.824
-150.000	100.000	27.100	-8.824
-150.000	95.000	29.846	-7.591
-150.000	90.000	-447.326	14.152
-150.000	85.000	-461.334	13.854
-150.000	80.000	-537.964	23.955
-150.000	75.000	-688.232	12.112
-150.000	70.000	-664.460	13.713
-150.000	65.000	-706.788	12.587

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-150.000	60.000	-620.300	24.313
-150.000	55.000	42.022	-8.723
-150.000	50.000	40.406	-8.141
-150.000	45.000	39.368	-8.889
-150.000	40.000	36.072	-9.006
-150.000	35.000	35.920	-10.228
-150.000	30.000	-459.778	-7.209
-150.000	25.000	-459.168	-7.180
-150.000	20.000	-658.172	-0.420
-150.000	15.000	37.506	-5.032
-150.000	10.000	28.168	-8.600
-150.000	5.000	27.038	-8.644
-150.000	0.000	26.000	-9.058
-150.000	-5.000	24.506	-8.731
-150.000	-10.000	27.252	-8.793
-150.000	-15.000	28.870	-8.857
-150.000	-20.000	33.204	-9.010
-160.000	30.000	16.144	-9.258
-160.000	35.000	32.470	-8.323
-160.000	40.000	31.372	-8.767
-160.000	45.000	31.768	-8.069
-160.000	50.000	32.440	-8.157
-160.000	55.000	34.028	-8.626
-160.000	60.000	33.600	-8.960
-160.000	65.000	32.012	-8.901
-160.000	70.000	31.616	-7.643
-160.000	75.000	39.826	-8.359
-160.000	80.000	41.534	-8.205
-160.000	85.000	41.230	-7.841
-160.000	90.000	42.114	-8.798
-160.000	95.000	41.138	-8.877
-160.000	100.000	37.872	-8.157
-160.000	105.000	35.858	-8.514
-160.000	110.000	39.582	-8.139
-160.000	115.000	38.056	-8.707
-160.000	120.000	32.166	-8.512
-160.000	125.000	30.792	-8.795
-160.000	130.000	29.144	-8.490
-160.000	135.000	27.100	-8.819
-160.000	140.000	26.398	-8.736
-160.000	145.000	25.574	-9.135
-160.000	150.000	26.580	-8.231
-160.000	155.000	26.978	-8.572
-160.000	160.000	27.100	-8.222
-160.000	165.000	21.454	-8.313
-160.000	170.000	23.896	-7.906
-160.000	175.000	24.872	-8.688
-160.000	180.000	26.580	-9.045
-160.000	185.000	24.048	-8.475
-160.000	190.000	21.026	-8.964

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-160.000	195.000	10.254	-14.688
-160.000	200.000	4.272	-19.101
-160.000	205.000	-26.733	-32.553
-160.000	210.000	23.590	-9.309
-160.000	215.000	20.112	-10.836
-160.000	220.000	26.306	-8.380
-160.000	225.000	24.018	-9.225
-160.000	230.000	21.210	-8.585
-160.000	235.000	22.216	-8.367
-160.000	240.000	26.580	-8.512
-160.000	245.000	28.900	-8.736
-160.000	250.000	28.412	-8.710
-160.000	255.000	27.436	-8.606
-160.000	260.000	28.992	-8.543
-160.000	265.000	30.976	-9.344
-160.000	270.000	29.144	-9.050
-160.000	275.000	28.870	-8.483
-160.000	280.000	27.436	-15.924
-160.000	285.000	-484.406	-5.491
-160.000	290.000	-542.176	-8.672
-160.000	295.000	-639.312	-7.687
-160.000	300.000	-565.552	4.215
-160.000	305.000	-528.840	16.329
-160.000	310.000	-582.122	-8.205
-160.000	315.000	-645.568	-7.948
-160.000	320.000	38.330	-6.943
-160.000	325.000	39.338	-7.505
-160.000	330.000	36.560	-6.799
-170.000	330.000	37.078	-7.577
-170.000	325.000	35.766	-7.137
-170.000	320.000	-473.846	-8.347
-170.000	315.000	-634.703	-7.948
-170.000	310.000	-653.290	-8.558
-170.000	305.000	-628.968	-8.437
-170.000	300.000	-425.690	12.458
-170.000	295.000	-605.988	5.115
-170.000	290.000	-617.736	5.330
-170.000	285.000	-526.276	5.358
-170.000	280.000	-559.478	2.247
-170.000	275.000	-589.814	3.445
-170.000	270.000	-495.696	15.466
-170.000	265.000	-565.430	3.054
-170.000	260.000	-541.108	2.554
-170.000	255.000	-616.974	9.569
-170.000	250.000	-494.904	8.333
-170.000	245.000	30.518	-8.841
-170.000	240.000	29.754	-8.712
-170.000	235.000	26.672	-8.473
-170.000	230.000	26.428	-7.446
-170.000	225.000	24.872	-8.824

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-170.000	220.000	25.300	-8.630
-170.000	215.000	30.426	-8.086
-170.000	210.000	31.036	-7.567
-170.000	205.000	28.076	-4.933
-170.000	200.000	26.458	-7.437
-170.000	195.000	32.836	-5.829
-170.000	190.000	30.762	-5.517
-170.000	185.000	28.320	-7.382
-170.000	180.000	30.152	-8.817
-170.000	175.000	30.030	-8.381
-170.000	170.000	29.174	-8.890
-170.000	165.000	24.384	-8.131
-170.000	160.000	28.076	-8.685
-170.000	155.000	28.504	-8.938
-170.000	150.000	25.452	-8.444
-170.000	145.000	25.910	-8.166
-170.000	140.000	-12.847	-23.079
-170.000	135.000	23.530	-23.199
-170.000	130.000	-17.884	-32.579
-170.000	125.000	4.516	-32.612
-170.000	120.000	32.532	-6.570
-170.000	115.000	39.428	-5.383
-170.000	110.000	45.868	-4.762
-170.000	105.000	44.738	-7.544
-170.000	100.000	41.320	-8.242
-170.000	95.000	39.216	-8.271
-170.000	90.000	38.604	-8.174
-170.000	85.000	36.132	-8.624
-170.000	80.000	32.166	-8.236
-170.000	75.000	32.196	-7.680
-170.000	70.000	35.278	-8.076
-170.000	65.000	34.454	-7.742
-170.000	60.000	33.142	-7.907
-180.000	60.000	37.140	-8.218
-180.000	65.000	37.658	-7.871
-180.000	70.000	37.964	-8.297
-180.000	75.000	38.636	-7.970
-180.000	80.000	38.086	-8.521
-180.000	85.000	36.834	-8.097
-180.000	90.000	42.846	-7.839
-180.000	95.000	42.694	-7.084
-180.000	100.000	39.154	-9.658
-180.000	105.000	39.032	-7.852
-180.000	110.000	34.454	-8.380
-180.000	115.000	32.624	-8.734
-180.000	120.000	33.660	-8.512
-180.000	125.000	33.172	-7.764
-180.000	130.000	-517.120	-6.895
-180.000	135.000	-615.082	-8.833
-180.000	140.000	-604.736	-8.828

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-180.000	145.000	-455.932	18.588
-180.000	150.000	-524.292	7.936
-180.000	155.000	29.114	-8.865
-180.000	160.000	30.610	-9.398
-180.000	165.000	31.678	-8.269
-180.000	170.000	33.416	-8.859
-180.000	175.000	28.564	-8.687
-180.000	180.000	27.344	-8.310
-180.000	185.000	29.998	-6.991
-180.000	190.000	30.762	-6.270
-180.000	195.000	25.970	-9.660
-180.000	200.000	25.176	-7.915
-180.000	205.000	8.606	-21.247
-180.000	210.000	-5.860	-32.095
-180.000	215.000	20.386	-13.605
-180.000	220.000	25.238	-9.532
-180.000	225.000	-32.502	-32.658
-180.000	230.000	34.180	-4.056
-180.000	235.000	-7.781	-22.504
-180.000	240.000	31.188	-7.819
-180.000	245.000	33.600	-8.773
-180.000	250.000	34.882	-8.326
-180.000	255.000	32.898	-8.898
-180.000	260.000	33.630	-8.345
-180.000	265.000	33.112	-8.280
-180.000	270.000	32.898	-7.595
-180.000	275.000	33.020	-8.166
-180.000	280.000	32.746	-8.321
-180.000	285.000	34.820	-8.567
-180.000	290.000	40.284	-7.749
-180.000	295.000	42.694	-8.440
-180.000	300.000	27.832	-13.817
-180.000	305.000	32.806	-13.484
-180.000	310.000	46.936	-7.477
-180.000	315.000	40.924	-8.749
-180.000	320.000	36.804	-9.835
-180.000	325.000	35.798	-8.128
-180.000	330.000	33.570	-7.878
-190.000	330.000	37.232	-8.054
-190.000	325.000	36.834	-8.532
-190.000	320.000	34.484	-7.922
-190.000	315.000	40.710	-8.078
-190.000	310.000	41.046	-8.936
-190.000	305.000	42.450	-5.991
-190.000	300.000	43.122	-7.229
-190.000	295.000	33.050	-2.974
-190.000	290.000	38.514	-7.854
-190.000	285.000	35.186	-5.991
-190.000	280.000	34.606	-7.373
-190.000	275.000	34.240	-7.165

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-190.000	270.000	31.372	-8.216
-190.000	265.000	29.786	-7.918
-190.000	260.000	33.142	-7.586
-190.000	255.000	32.592	-7.071
-190.000	250.000	36.468	-7.536
-190.000	245.000	35.218	-7.902
-190.000	240.000	30.090	-9.385
-190.000	235.000	29.632	-8.194
-190.000	230.000	25.176	-9.883
-190.000	225.000	20.874	-12.789
-190.000	220.000	37.720	-5.772
-190.000	215.000	26.702	-13.923
-190.000	210.000	36.102	-7.874
-190.000	205.000	36.042	-6.757
-190.000	200.000	32.196	-7.027
-190.000	195.000	30.304	-7.066
-190.000	190.000	28.320	-8.095
-190.000	185.000	30.060	-8.501
-190.000	180.000	29.510	-8.455
-190.000	175.000	29.908	-8.060
-190.000	170.000	32.136	-7.795
-190.000	165.000	-432.830	-7.711
-190.000	160.000	-435.668	-8.242
-190.000	155.000	-457.701	-8.538
-190.000	150.000	-402.802	-8.260
-190.000	145.000	-435.028	-8.675
-190.000	140.000	-512.940	-8.562
-190.000	135.000	-543.884	-7.564
-190.000	130.000	-492.768	4.570
-190.000	125.000	-464.722	15.493
-190.000	120.000	-483.642	3.317
-190.000	115.000	-495.727	3.972
-190.000	110.000	-513.579	5.665
-190.000	105.000	-481.598	5.125
-190.000	100.000	43.854	-7.617
-190.000	95.000	39.642	-8.131
-190.000	90.000	39.124	-7.858
-190.000	85.000	36.224	-7.808
-190.000	80.000	34.728	-7.709
-200.000	100.000	39.978	-7.319
-200.000	105.000	38.574	-7.239
-200.000	110.000	39.642	-7.330
-200.000	115.000	40.100	-6.728
-200.000	120.000	46.204	-6.050
-200.000	125.000	44.648	-6.075
-200.000	130.000	42.724	-5.873
-200.000	135.000	40.618	-6.437
-200.000	140.000	39.550	-7.520
-200.000	145.000	41.108	-8.062
-200.000	150.000	39.520	-7.521

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-200.000	155.000	37.536	-7.964
-200.000	160.000	36.652	-7.637
-200.000	165.000	37.446	-7.542
-200.000	170.000	35.888	-7.639
-200.000	175.000	35.218	-7.422
-200.000	180.000	34.424	-9.331
-200.000	185.000	34.150	-10.579
-200.000	190.000	32.288	-9.669
-200.000	195.000	33.906	-6.257
-200.000	200.000	33.844	-6.504
-200.000	205.000	41.962	-6.079
-200.000	210.000	47.944	-5.315
-200.000	215.000	41.534	-7.770
-200.000	220.000	29.480	-10.211
-200.000	225.000	30.610	-7.650
-200.000	230.000	31.708	-7.691
-200.000	235.000	27.100	-10.836
-200.000	240.000	35.186	-7.389
-200.000	245.000	17.884	-13.596
-200.000	250.000	25.482	-10.401
-200.000	255.000	15.380	-12.507
-200.000	260.000	30.670	-6.296
-200.000	265.000	32.654	-7.130
-200.000	270.000	32.898	-7.725
-200.000	275.000	34.150	-7.161
-200.000	280.000	34.790	-7.746
-200.000	285.000	37.414	-6.590
-200.000	290.000	39.428	-7.057
-200.000	295.000	33.050	-8.291
-200.000	300.000	34.058	-8.435
-200.000	305.000	37.536	-7.808
-200.000	310.000	44.616	-8.152
-200.000	315.000	38.482	-8.701
-200.000	320.000	38.146	-7.790
-200.000	325.000	-476.135	-7.972
-200.000	330.000	-520.172	-7.670
-210.000	330.000	-510.040	-7.692
-210.000	325.000	-581.696	-8.398
-210.000	320.000	-595.428	-8.486
-210.000	315.000	-569.732	-8.872
-210.000	310.000	-576.385	-7.959
-210.000	305.000	-519.011	-8.562
-210.000	300.000	36.896	-8.317
-210.000	295.000	-464.477	-9.074
-210.000	290.000	-565.185	-6.790
-210.000	285.000	-574.035	-5.634
-210.000	280.000	-611.846	-12.946
-210.000	275.000	-605.042	-14.073
-210.000	270.000	-505.706	-1.627
-210.000	265.000	-558.930	-6.858

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-210.000	260.000	-590.180	-6.066
-210.000	255.000	-555.694	-6.156
-210.000	250.000	-600.098	-8.211
-210.000	245.000	-509.278	-0.679
-210.000	240.000	-572.661	-8.778
-210.000	235.000	-546.448	-9.100
-210.000	230.000	-493.407	2.266
-210.000	225.000	-561.126	-7.900
-210.000	220.000	-581.208	-7.020
-210.000	215.000	-423.644	-0.778
-210.000	210.000	-549.072	-6.733
-210.000	205.000	-560.974	-6.825
-210.000	200.000	-485.932	1.696
-210.000	195.000	-541.411	-6.272
-210.000	190.000	-457.610	5.797
-210.000	185.000	-548.828	-6.731
-210.000	180.000	-493.072	2.811
-210.000	175.000	-517.607	2.078
-210.000	170.000	-529.754	-5.894
-210.000	165.000	-602.416	-2.263
-210.000	160.000	-576.110	-3.075
-210.000	155.000	-493.437	2.600
-210.000	150.000	36.254	-7.968
-210.000	145.000	34.332	-7.343
-210.000	140.000	32.166	-6.368
-210.000	135.000	-475.891	-7.283
-210.000	130.000	38.514	-7.341
-210.000	125.000	36.956	-7.389
-210.000	120.000	-464.201	-3.762
-210.000	115.000	-553.406	-2.592
-210.000	110.000	-570.954	-4.324
-220.000	110.000	-482.392	-2.250
-220.000	115.000	-450.622	-3.534
-220.000	120.000	-549.988	-2.691
-220.000	125.000	35.706	-8.253
-220.000	130.000	32.502	-7.841
-220.000	135.000	31.524	-7.856
-220.000	140.000	32.624	-7.738
-220.000	145.000	31.312	-8.420
-220.000	150.000	33.966	-8.097
-220.000	155.000	32.502	-8.128
-220.000	160.000	30.364	-7.839
-220.000	165.000	33.448	-8.020
-220.000	170.000	40.344	-7.801
-220.000	175.000	41.474	-7.650
-220.000	180.000	44.158	-7.588
-220.000	185.000	48.890	-7.538
-220.000	190.000	54.810	-3.643
-220.000	195.000	47.852	-6.702
-220.000	200.000	-449.798	-0.602

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-220.000	205.000	-515.930	-2.816
-220.000	210.000	-540.070	-1.267
-220.000	215.000	-526.612	-9.646
-220.000	220.000	-515.320	-3.130
-220.000	225.000	-520.079	-2.994
-220.000	230.000	-503.144	-2.465
-220.000	235.000	-569.366	-3.525
-220.000	240.000	-483.612	-0.471
-220.000	245.000	-558.685	-0.513
-220.000	250.000	-544.402	-1.917
-220.000	255.000	-547.944	2.065
-220.000	260.000	-579.560	-1.785
-220.000	265.000	-458.770	9.088
-220.000	270.000	-573.364	-1.787
-220.000	275.000	-411.346	8.294
-220.000	280.000	-545.532	-1.190
-220.000	285.000	-548.432	1.209
-220.000	290.000	-459.412	9.542
-220.000	295.000	-512.878	-1.730
-220.000	300.000	-463.989	9.327
-220.000	305.000	-490.111	8.816
-220.000	310.000	-590.026	-3.270
-220.000	315.000	-568.206	-2.013
-220.000	320.000	-499.298	9.860
-220.000	325.000	-537.047	-0.337
-220.000	330.000	-563.018	-1.447
-230.000	330.000	42.266	-7.406
-230.000	325.000	39.002	-6.131
-230.000	320.000	38.330	-7.246
-230.000	315.000	39.032	-7.803
-230.000	310.000	30.548	-13.151
-230.000	305.000	35.218	-12.938
-230.000	300.000	36.652	-13.249
-230.000	295.000	32.470	-7.395
-230.000	290.000	34.912	-7.645
-230.000	285.000	36.010	-7.880
-230.000	280.000	35.736	-8.595
-230.000	275.000	37.078	-7.584
-230.000	270.000	36.560	-7.490
-230.000	265.000	39.948	-8.119
-230.000	260.000	-461.304	-7.863
-230.000	255.000	-480.682	-6.500
-230.000	250.000	-483.520	-4.067
-230.000	245.000	-548.096	-2.423
-230.000	240.000	-560.394	-3.718
-230.000	235.000	-516.144	-2.068
-230.000	230.000	43.884	-1.324
-230.000	225.000	-104.554	-32.838
-230.000	220.000	87.738	14.567
-230.000	215.000	-140.748	-32.840

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-230.000	210.000	82.916	6.903
-230.000	205.000	57.038	-2.805
-230.000	200.000	64.880	0.731
-230.000	195.000	50.750	-6.333
-230.000	190.000	46.722	-7.577
-230.000	185.000	44.434	-7.545
-230.000	180.000	43.518	-7.771
-230.000	175.000	-442.870	-7.839
-230.000	170.000	-461.486	-8.131
-230.000	165.000	-521.332	-8.174
-230.000	160.000	-491.668	-0.653
-230.000	155.000	-559.174	-0.447
-230.000	150.000	33.326	-8.166
-230.000	145.000	34.362	-6.871
-230.000	140.000	36.926	-7.663
-230.000	135.000	39.338	-8.174
-230.000	130.000	41.230	-7.854
-230.000	125.000	39.856	-8.119
-230.000	120.000	38.636	-7.841
-230.000	115.000	37.506	-7.839
-230.000	110.000	40.008	-7.593
-240.000	120.000	34.424	-6.564
-240.000	125.000	37.262	-9.906
-240.000	130.000	41.168	-8.148
-240.000	135.000	42.542	-8.262
-240.000	140.000	46.844	-8.071
-240.000	145.000	44.800	-7.604
-240.000	150.000	44.648	-7.988
-240.000	155.000	42.176	-7.665
-240.000	160.000	42.328	-7.801
-240.000	165.000	40.740	-7.865
-240.000	170.000	41.870	-7.674
-240.000	175.000	42.664	-8.409
-240.000	180.000	40.650	-8.378
-240.000	185.000	43.396	-7.505
-240.000	190.000	45.166	-8.198
-240.000	195.000	46.142	-7.823
-240.000	200.000	49.012	-8.198
-240.000	205.000	54.626	-7.251
-240.000	210.000	58.258	-6.770
-240.000	215.000	71.564	3.528
-240.000	220.000	57.618	-5.230
-240.000	225.000	54.504	-2.437
-240.000	230.000	43.396	-3.889
-240.000	235.000	31.860	-5.618
-240.000	240.000	38.178	-6.748
-240.000	245.000	37.934	-7.720
-240.000	250.000	31.922	-8.244
-240.000	255.000	30.640	-7.336
-240.000	260.000	35.126	-7.681

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-240.000	265.000	37.018	-7.003
-240.000	270.000	39.856	-7.562
-240.000	275.000	35.888	-9.159
-240.000	280.000	47.668	-4.841
-240.000	285.000	89.936	45.583
-240.000	290.000	66.802	32.808
-240.000	295.000	84.534	45.585
-240.000	300.000	44.738	-5.091
-240.000	305.000	41.320	-6.967
-240.000	310.000	38.482	-8.051
-240.000	315.000	38.300	-9.660
-240.000	320.000	43.090	-8.383
-240.000	325.000	44.830	-7.624
-240.000	330.000	46.600	-8.392
-250.000	330.000	43.366	-8.448
-250.000	325.000	41.230	-7.994
-250.000	320.000	41.046	-7.608
-250.000	315.000	38.024	-9.197
-250.000	310.000	38.848	-6.981
-250.000	305.000	29.602	-10.697
-250.000	300.000	35.950	-6.134
-250.000	295.000	44.982	-0.705
-250.000	290.000	53.132	27.639
-250.000	285.000	43.976	8.981
-250.000	280.000	10.894	-32.886
-250.000	275.000	49.378	-6.899
-250.000	270.000	45.502	-7.172
-250.000	265.000	40.954	-6.252
-250.000	260.000	37.232	-7.481
-250.000	255.000	34.058	-5.004
-250.000	250.000	-11.108	-32.937
-250.000	245.000	31.342	-10.392
-250.000	240.000	-37.902	-32.959
-250.000	235.000	69.946	10.163
-250.000	230.000	83.862	-6.112
-250.000	225.000	-16.204	-32.978
-250.000	220.000	214.722	-3.907
-250.000	215.000	46.478	-5.892
-250.000	210.000	39.338	-7.577
-250.000	205.000	39.856	-7.272
-250.000	200.000	38.208	-7.375
-250.000	195.000	36.590	-7.907
-250.000	190.000	40.558	-7.939
-250.000	185.000	43.548	-8.032
-250.000	180.000	43.946	-7.630
-250.000	175.000	42.420	-8.372
-250.000	170.000	46.112	-7.759
-250.000	165.000	45.990	-8.216
-250.000	160.000	45.074	-8.086
-250.000	155.000	51.148	-7.810

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-250.000	150.000	47.974	-7.722
-250.000	145.000	44.678	-8.519
-250.000	140.000	40.314	-8.319
-250.000	135.000	39.460	-8.165
-250.000	130.000	38.360	-8.268
-250.000	125.000	37.140	-7.826
-250.000	120.000	40.162	-7.070
-260.000	120.000	32.624	-11.116
-260.000	125.000	40.832	-6.809
-260.000	130.000	38.270	-7.588
-260.000	135.000	39.794	-7.163
-260.000	140.000	40.130	-8.262
-260.000	145.000	41.840	-8.126
-260.000	150.000	42.816	-7.514
-260.000	155.000	42.756	-6.614
-260.000	160.000	40.740	-5.767
-260.000	165.000	45.532	-7.551
-260.000	170.000	43.976	-8.446
-260.000	175.000	45.288	-7.589
-260.000	180.000	47.516	-8.422
-260.000	185.000	46.874	-8.483
-260.000	190.000	44.404	-7.670
-260.000	195.000	37.902	-8.200
-260.000	200.000	38.178	-7.382
-260.000	205.000	37.934	-7.382
-260.000	210.000	38.848	-7.371
-260.000	215.000	37.598	-7.057
-260.000	220.000	45.196	-4.971
-260.000	225.000	68.420	3.291
-260.000	230.000	65.246	-3.477
-260.000	235.000	62.500	-5.679
-260.000	240.000	59.540	-3.582
-260.000	245.000	72.632	5.027
-260.000	250.000	74.676	44.169
-260.000	255.000	51.300	1.977
-260.000	260.000	64.484	34.606
-260.000	265.000	43.702	-15.182
-260.000	270.000	22.796	-32.786
-260.000	275.000	37.232	-6.746
-260.000	280.000	31.280	-7.071
-260.000	285.000	30.120	-8.216
-260.000	290.000	29.328	-10.357
-260.000	295.000	37.354	-6.544
-260.000	300.000	41.840	-0.146
-260.000	305.000	41.290	-5.770
-260.000	310.000	42.450	-5.583
-260.000	315.000	41.320	-7.582
-260.000	320.000	43.670	-8.369
-260.000	325.000	39.978	-6.968
-260.000	330.000	41.656	-8.007

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-270.000	320.000	39.124	-7.944
-270.000	315.000	38.910	-7.654
-270.000	310.000	40.252	-9.458
-270.000	305.000	34.058	-7.810
-270.000	300.000	32.776	-7.531
-270.000	295.000	35.980	-6.652
-270.000	290.000	29.694	-11.119
-270.000	285.000	29.022	-9.534
-270.000	280.000	31.586	-7.678
-270.000	275.000	20.630	-13.168
-270.000	270.000	38.422	-7.299
-270.000	265.000	34.088	-26.074
-270.000	260.000	45.928	-13.648
-270.000	255.000	46.752	-15.720
-270.000	250.000	53.620	-14.021
-270.000	245.000	53.466	-4.800
-270.000	240.000	54.656	-5.449
-270.000	235.000	65.552	-7.961
-270.000	230.000	52.094	-7.790
-270.000	225.000	45.990	-7.922
-270.000	220.000	36.164	-7.623
-270.000	215.000	36.286	-8.018
-270.000	210.000	37.994	-7.720
-270.000	205.000	40.284	-7.680
-270.000	200.000	39.460	-7.698
-270.000	195.000	44.068	-8.100
-270.000	190.000	49.622	-8.506
-270.000	185.000	45.228	-7.999
-270.000	180.000	42.054	-7.595
-270.000	175.000	42.846	-7.786
-270.000	170.000	42.664	-8.124
-270.000	165.000	44.556	-7.724
-270.000	160.000	44.068	-7.564
-270.000	155.000	41.840	-8.404
-270.000	150.000	41.230	-7.571
-280.000	160.000	40.924	-7.762
-280.000	165.000	39.002	-8.670
-280.000	170.000	40.222	-8.200
-280.000	175.000	40.894	-7.825
-280.000	180.000	41.626	-8.209
-280.000	185.000	46.234	-7.974
-280.000	190.000	47.272	-8.172
-280.000	195.000	45.990	-7.939
-280.000	200.000	51.056	-7.738
-280.000	205.000	56.488	-8.356
-280.000	210.000	51.422	-6.717
-280.000	215.000	42.358	-7.983
-280.000	220.000	37.720	-7.632
-280.000	225.000	37.902	-7.514
-280.000	230.000	44.586	-7.437

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-280.000	235.000	88.318	29.542
-280.000	240.000	55.420	-4.760
-280.000	245.000	60.424	-16.148
-280.000	250.000	78.644	-0.333
-280.000	255.000	54.412	-4.591
-280.000	260.000	49.378	-6.160
-280.000	265.000	41.352	-7.602
-280.000	270.000	36.744	-7.981
-280.000	275.000	34.698	-8.495
-280.000	280.000	43.122	-7.773
-280.000	285.000	45.684	-7.735
-280.000	290.000	48.584	-7.985
-280.000	295.000	47.302	-8.909
-280.000	300.000	45.014	-8.589
-290.000	300.000	42.480	-8.464
-290.000	295.000	49.682	-8.273
-290.000	290.000	44.250	-8.731
-290.000	285.000	42.388	-7.544
-290.000	280.000	40.618	-7.516
-290.000	275.000	42.510	-7.744
-290.000	270.000	44.616	-7.433
-290.000	265.000	50.872	-7.130
-290.000	260.000	50.018	-7.360
-290.000	255.000	60.730	-7.553
-290.000	250.000	69.916	-7.299
-290.000	245.000	60.486	-6.788
-290.000	240.000	49.438	-7.253
-290.000	235.000	50.018	-6.818
-290.000	230.000	47.394	-7.299
-290.000	225.000	49.134	-7.534
-290.000	220.000	57.374	-8.446
-290.000	215.000	50.750	-8.007
-290.000	210.000	39.094	-7.531
-290.000	205.000	35.096	-8.150
-290.000	200.000	38.208	-7.650
-290.000	195.000	38.116	-8.596
-290.000	190.000	42.388	-7.841
-290.000	185.000	42.694	-8.440
-290.000	180.000	40.222	-8.109
-290.000	175.000	36.956	-7.823
-290.000	170.000	39.368	-7.691
-290.000	165.000	33.478	-8.244
-290.000	160.000	38.848	-7.046
-300.000	170.000	41.320	-7.612
-300.000	175.000	40.558	-8.319
-300.000	180.000	39.002	-7.747
-300.000	185.000	36.866	-8.155
-300.000	190.000	38.788	-7.819
-300.000	195.000	36.254	-8.534

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-300.000	200.000	37.536	-7.972
-300.000	205.000	37.812	-7.819
-300.000	210.000	38.208	-8.438
-300.000	215.000	42.480	-7.854
-300.000	220.000	40.558	-8.040
-300.000	225.000	52.062	-8.205
-300.000	230.000	53.466	-8.194
-300.000	235.000	57.800	-7.525
-300.000	240.000	51.574	-7.678
-300.000	245.000	60.272	-7.988
-300.000	250.000	66.590	-6.283
-300.000	255.000	57.800	-5.629
-300.000	260.000	48.858	-0.166
-300.000	265.000	57.526	0.628
-300.000	270.000	66.406	-2.244
-300.000	275.000	61.158	-4.236
-300.000	280.000	50.110	-7.119
-300.000	285.000	45.136	-7.676
-300.000	290.000	39.794	-8.404
-300.000	295.000	35.522	-7.893
-300.000	300.000	36.926	-8.084
-310.000	280.000	38.544	-5.671
-310.000	275.000	59.174	0.505
-310.000	270.000	43.884	1.602
-310.000	265.000	36.774	-11.185
-310.000	260.000	67.138	2.365
-310.000	255.000	61.096	-3.461
-310.000	250.000	58.808	-8.051
-310.000	245.000	54.474	-8.170
-310.000	240.000	53.040	-7.599
-310.000	235.000	48.980	-8.400
-310.000	230.000	47.394	-8.332
-310.000	225.000	43.976	-8.407
-310.000	220.000	40.008	-8.335
-310.000	215.000	40.344	-7.573
-310.000	210.000	40.222	-8.547
-310.000	205.000	42.114	-8.012
-310.000	200.000	39.612	-8.354
-310.000	195.000	37.750	-8.097
-310.000	190.000	38.086	-7.510
-310.000	185.000	36.956	-8.317
-310.000	180.000	39.978	-7.731
-310.000	175.000	40.466	-6.586
-310.000	170.000	36.652	-7.680
-320.000	180.000	43.030	-6.013
-320.000	185.000	45.166	-7.527
-320.000	190.000	42.786	-7.630
-320.000	195.000	38.238	-8.321
-320.000	200.000	39.062	-8.054

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT	IN-PHASE COMPONENT
-320.000	205.000	36.926	-8.483
-320.000	210.000	38.758	-8.332
-320.000	215.000	38.726	-6.594
-320.000	220.000	41.382	-8.391
-320.000	225.000	39.338	-7.720
-320.000	230.000	37.262	-8.455
-320.000	235.000	40.222	-8.402
-320.000	240.000	44.280	-7.784
-320.000	245.000	46.936	-7.992
-320.000	250.000	42.388	-7.915
-320.000	255.000	45.410	-7.713
-320.000	260.000	47.332	-6.840
-320.000	265.000	47.790	-6.452
-320.000	270.000	33.966	-5.603
-320.000	275.000	29.632	-5.368
-320.000	280.000	27.832	-6.267
-330.000	270.000	34.638	-6.851
-330.000	265.000	39.094	-7.968
-330.000	260.000	41.504	-8.312
-330.000	255.000	41.230	-8.310
-330.000	250.000	39.978	-8.321
-330.000	245.000	40.618	-8.084
-330.000	240.000	35.888	-6.945
-330.000	235.000	36.438	-8.008
-330.000	230.000	37.690	-8.256
-330.000	225.000	40.406	-7.665
-330.000	220.000	39.368	-8.297
-330.000	215.000	41.596	-8.304
-330.000	210.000	40.130	-8.139
-330.000	205.000	40.008	-7.477
-330.000	200.000	39.490	-7.080
-330.000	195.000	41.382	-6.300
-330.000	190.000	38.666	-8.155

APPENDIX D.9.

ELECTROMAGNETIC (EM34-3XL) HORIZONTAL DIPOLE DATA FOR AREA J SURVEY

MOUND AREA J EM34 SURVEY
HORIZONTAL DIPOLE

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
0.000	330.000	30.000
0.000	320.000	31.700
0.000	310.000	32.400
0.000	300.000	32.100
0.000	290.000	32.000
0.000	280.000	34.500
0.000	270.000	34.900
0.000	260.000	35.700
0.000	250.000	36.400
0.000	240.000	36.800
0.000	230.000	33.300
0.000	220.000	33.600
0.000	210.000	33.000
0.000	200.000	31.700
0.000	190.000	28.800
0.000	180.000	27.870
0.000	170.000	29.500
0.000	160.000	29.550
-10.000	100.000	32.700
-10.000	110.000	29.100
-10.000	120.000	30.100
-10.000	130.000	28.900
-10.000	140.000	29.550
-10.000	150.000	29.070
-10.000	160.000	28.400
-10.000	170.000	27.870
-10.000	180.000	28.500
-10.000	190.000	28.980
-10.000	200.000	28.920
-10.000	210.000	29.370
-10.000	220.000	28.830
-10.000	230.000	29.800
-10.000	240.000	31.400
-10.000	250.000	32.100
-10.000	260.000	32.700
-10.000	270.000	31.300
-10.000	280.000	30.000
-10.000	290.000	29.800
-10.000	300.000	30.400
-10.000	310.000	31.000
-10.000	320.000	30.800
-10.000	330.000	29.900
-20.000	330.000	31.100
-20.000	320.000	30.900
-20.000	310.000	31.200
-20.000	300.000	28.600

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-20.000	290.000	29.130
-20.000	280.000	28.140
-20.000	270.000	29.200
-20.000	260.000	30.100
-20.000	250.000	31.300
-20.000	240.000	30.100
-20.000	230.000	30.800
-20.000	220.000	32.300
-20.000	210.000	32.200
-20.000	200.000	33.800
-20.000	190.000	32.600
-20.000	180.000	31.600
-20.000	170.000	29.100
-20.000	160.000	28.560
-20.000	150.000	27.570
-20.000	140.000	26.940
-20.000	130.000	27.090
-20.000	120.000	29.000
-20.000	110.000	29.700
-20.000	100.000	32.900
-20.000	90.000	36.200
-20.000	80.000	36.100
-20.000	70.000	35.000
-20.000	60.000	32.600
-20.000	50.000	30.300
-30.000	0.000	24.480
-30.000	10.000	25.740
-30.000	20.000	26.040
-30.000	30.000	26.700
-30.000	40.000	27.030
-30.000	50.000	27.780
-30.000	60.000	28.170
-30.000	70.000	28.620
-30.000	80.000	29.070
-30.000	90.000	25.740
-30.000	100.000	25.170
-30.000	110.000	25.530
-30.000	120.000	26.400
-30.000	130.000	26.850
-30.000	140.000	29.520
-30.000	150.000	29.400
-30.000	160.000	31.100
-30.000	170.000	32.600
-30.000	180.000	31.900
-30.000	190.000	34.000
-30.000	200.000	33.400
-30.000	210.000	31.900
-30.000	220.000	29.670
-30.000	230.000	29.100
-30.000	240.000	27.960

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-30.000	250.000	27.060
-30.000	260.000	23.130
-30.000	270.000	29.040
-30.000	280.000	27.750
-30.000	290.000	25.200
-30.000	300.000	24.720
-30.000	310.000	29.550
-30.000	320.000	28.650
-30.000	330.000	28.560
-40.000	330.000	26.460
-40.000	320.000	26.670
-40.000	310.000	27.210
-40.000	300.000	27.480
-40.000	290.000	26.910
-40.000	280.000	26.760
-40.000	270.000	28.140
-40.000	260.000	27.360
-40.000	250.000	28.350
-40.000	240.000	28.170
-40.000	230.000	28.050
-40.000	220.000	28.440
-40.000	210.000	29.190
-40.000	200.000	30.600
-40.000	190.000	30.900
-40.000	180.000	31.100
-40.000	170.000	32.400
-40.000	160.000	34.800
-40.000	150.000	33.300
-40.000	140.000	31.700
-40.000	130.000	30.100
-40.000	120.000	28.530
-40.000	110.000	26.190
-40.000	100.000	23.070
-40.000	90.000	23.310
-40.000	80.000	24.270
-40.000	70.000	26.700
-40.000	60.000	27.360
-40.000	50.000	29.160
-40.000	40.000	29.340
-40.000	30.000	30.060
-40.000	20.000	29.310
-40.000	10.000	26.820
-40.000	0.000	25.230
-50.000	0.000	24.270
-50.000	10.000	25.530
-50.000	20.000	26.940
-50.000	30.000	47.800
-50.000	40.000	30.600
-50.000	50.000	29.280

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-50.000	60.000	30.800
-50.000	70.000	29.010
-50.000	80.000	27.540
-50.000	90.000	26.670
-50.000	100.000	26.880
-50.000	110.000	28.620
-50.000	120.000	29.550
-50.000	130.000	29.970
-50.000	140.000	30.600
-50.000	150.000	31.400
-50.000	160.000	32.200
-50.000	170.000	30.500
-50.000	180.000	30.700
-50.000	190.000	30.300
-50.000	200.000	29.130
-50.000	210.000	28.380
-50.000	220.000	27.570
-50.000	230.000	27.360
-50.000	240.000	27.780
-50.000	250.000	28.530
-50.000	260.000	28.170
-50.000	270.000	27.960
-50.000	280.000	27.780
-50.000	290.000	28.260
-50.000	300.000	27.090
-50.000	310.000	26.040
-50.000	320.000	25.290
-50.000	330.000	25.710
-60.000	330.000	27.150
-60.000	320.000	25.830
-60.000	310.000	25.530
-60.000	300.000	26.520
-60.000	290.000	25.950
-60.000	280.000	25.560
-60.000	270.000	25.140
-60.000	260.000	26.430
-60.000	250.000	27.150
-60.000	240.000	28.140
-60.000	230.000	30.630
-60.000	220.000	31.100
-60.000	210.000	30.750
-60.000	200.000	30.400
-60.000	190.000	31.500
-60.000	180.000	30.390
-60.000	170.000	30.500
-60.000	160.000	31.200
-60.000	150.000	31.400
-60.000	140.000	29.220
-60.000	130.000	29.250
-60.000	120.000	29.160

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-60.000	110.000	28.500
-60.000	100.000	28.350
-60.000	90.000	28.260
-60.000	80.000	28.710
-60.000	70.000	27.540
-60.000	60.000	26.250
-60.000	50.000	25.740
-60.000	40.000	24.000
-60.000	30.000	24.480
-60.000	20.000	24.570
-60.000	10.000	23.610
-60.000	0.000	22.440
-70.000	0.000	23.550
-70.000	10.000	24.510
-70.000	20.000	26.040
-70.000	30.000	26.190
-70.000	40.000	26.700
-70.000	50.000	28.800
-70.000	60.000	30.200
-70.000	70.000	31.900
-70.000	80.000	31.900
-70.000	90.000	31.300
-70.000	100.000	31.100
-70.000	110.000	32.100
-70.000	120.000	34.400
-70.000	130.000	34.300
-70.000	140.000	33.700
-70.000	150.000	35.600
-70.000	160.000	33.200
-70.000	170.000	31.500
-70.000	180.000	31.400
-70.000	190.000	30.900
-70.000	200.000	29.500
-70.000	210.000	29.900
-70.000	220.000	30.100
-70.000	230.000	31.300
-70.000	240.000	29.500
-70.000	250.000	29.200
-70.000	260.000	28.300
-70.000	270.000	27.800
-70.000	280.000	27.930
-70.000	290.000	28.890
-70.000	300.000	28.290
-70.000	310.000	27.180
-70.000	320.000	26.820
-70.000	330.000	25.200
-80.000	330.000	23.550
-80.000	320.000	24.000
-80.000	310.000	24.750

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-80.000	300.000	25.560
-80.000	290.000	26.520
-80.000	280.000	27.630
-80.000	270.000	30.030
-80.000	260.000	29.850
-80.000	250.000	32.300
-80.000	240.000	32.900
-80.000	230.000	29.580
-80.000	220.000	28.830
-80.000	210.000	28.530
-80.000	200.000	29.490
-80.000	190.000	31.600
-80.000	180.000	32.000
-80.000	170.000	32.500
-80.000	160.000	33.300
-80.000	150.000	33.500
-80.000	140.000	34.000
-80.000	130.000	35.400
-80.000	120.000	36.000
-80.000	110.000	37.200
-80.000	100.000	36.200
-80.000	90.000	35.600
-80.000	80.000	34.700
-80.000	70.000	31.700
-80.000	60.000	29.700
-80.000	50.000	28.410
-80.000	40.000	27.480
-80.000	30.000	25.770
-80.000	20.000	24.720
-80.000	10.000	28.650
-80.000	0.000	24.060
-90.000	0.000	22.230
-90.000	10.000	23.070
-90.000	20.000	23.670
-90.000	30.000	24.300
-90.000	40.000	25.680
-90.000	50.000	27.000
-90.000	60.000	28.410
-90.000	70.000	30.570
-90.000	80.000	33.400
-90.000	90.000	33.800
-90.000	100.000	31.700
-90.000	110.000	31.400
-90.000	120.000	32.900
-90.000	130.000	31.600
-90.000	140.000	29.760
-90.000	150.000	30.540
-90.000	160.000	30.210
-90.000	170.000	30.090
-90.000	180.000	31.260

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-90.000	190.000	32.500
-90.000	200.000	32.300
-90.000	210.000	30.600
-90.000	220.000	30.720
-90.000	230.000	30.600
-90.000	240.000	29.550
-90.000	250.000	28.800
-90.000	260.000	29.430
-90.000	270.000	27.300
-90.000	280.000	26.850
-90.000	290.000	25.920
-90.000	300.000	23.250
-90.000	310.000	22.920
-90.000	320.000	22.350
-90.000	330.000	23.430
-100.000	330.000	23.970
-100.000	320.000	23.430
-100.000	310.000	24.210
-100.000	300.000	23.490
-100.000	290.000	24.510
-100.000	280.000	25.290
-100.000	270.000	26.280
-100.000	260.000	28.380
-100.000	250.000	28.560
-100.000	240.000	29.790
-100.000	230.000	31.700
-100.000	220.000	32.000
-100.000	210.000	30.180
-100.000	200.000	30.480
-100.000	190.000	28.380
-100.000	180.000	27.870
-100.000	170.000	28.800
-100.000	160.000	30.870
-100.000	150.000	31.500
-100.000	140.000	31.800
-100.000	130.000	33.000
-100.000	120.000	31.500
-100.000	110.000	28.980
-100.000	100.000	30.270
-100.000	90.000	31.200
-100.000	80.000	32.100
-100.000	70.000	30.330
-100.000	60.000	27.960
-100.000	50.000	27.330
-100.000	40.000	25.800
-100.000	30.000	25.740
-100.000	20.000	25.200
-100.000	10.000	23.100
-100.000	0.000	22.140

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-110.000	0.000	25.140
-110.000	10.000	24.900
-110.000	20.000	20.730
-110.000	30.000	22.200
-110.000	40.000	27.030
-110.000	50.000	28.350
-110.000	60.000	29.940
-110.000	70.000	30.700
-110.000	80.000	34.400
-110.000	90.000	35.600
-110.000	100.000	34.800
-110.000	110.000	36.500
-110.000	120.000	37.000
-110.000	130.000	37.600
-110.000	140.000	37.300
-110.000	150.000	35.500
-110.000	160.000	34.500
-110.000	170.000	34.400
-110.000	180.000	30.800
-110.000	190.000	29.550
-110.000	200.000	27.840
-110.000	210.000	26.880
-110.000	220.000	28.590
-110.000	230.000	27.900
-110.000	240.000	26.580
-110.000	250.000	26.850
-110.000	260.000	26.190
-110.000	270.000	26.070
-110.000	280.000	23.910
-110.000	290.000	24.030
-110.000	300.000	23.850
-110.000	310.000	22.260
-110.000	320.000	22.830
-110.000	330.000	23.130
-120.000	330.000	20.730
-120.000	320.000	22.830
-120.000	310.000	26.970
-120.000	300.000	24.240
-120.000	290.000	26.580
-120.000	280.000	26.460
-120.000	270.000	26.760
-120.000	260.000	24.780
-120.000	250.000	23.760
-120.000	240.000	24.810
-120.000	230.000	25.590
-120.000	220.000	26.340
-120.000	210.000	25.710
-120.000	200.000	26.010
-120.000	190.000	26.580
-120.000	180.000	27.480

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-120.000	170.000	27.840
-120.000	160.000	28.590
-120.000	150.000	30.700
-120.000	140.000	33.200
-120.000	130.000	39.400
-120.000	120.000	37.000
-120.000	110.000	40.200
-120.000	100.000	39.700
-120.000	90.000	40.900
-120.000	80.000	38.100
-120.000	70.000	36.100
-120.000	60.000	33.800
-120.000	50.000	32.500
-120.000	40.000	30.700
-120.000	30.000	24.600
-120.000	20.000	24.150
-120.000	10.000	23.880
-120.000	0.000	22.470
-130.000	0.000	25.470
-130.000	10.000	24.030
-130.000	20.000	24.210
-130.000	30.000	23.400
-130.000	40.000	24.150
-130.000	50.000	27.840
-130.000	60.000	29.820
-130.000	70.000	32.800
-130.000	80.000	38.500
-130.000	90.000	45.500
-130.000	100.000	43.900
-130.000	110.000	45.600
-130.000	120.000	44.700
-130.000	130.000	41.800
-130.000	140.000	35.500
-130.000	150.000	26.010
-130.000	160.000	24.360
-130.000	170.000	22.950
-130.000	180.000	22.290
-130.000	190.000	24.150
-130.000	200.000	23.820
-130.000	210.000	25.260
-130.000	220.000	23.850
-130.000	230.000	24.480
-130.000	240.000	25.440
-130.000	250.000	25.680
-130.000	260.000	25.740
-130.000	270.000	26.910
-130.000	280.000	24.570
-130.000	290.000	21.990
-130.000	300.000	22.020
-130.000	310.000	20.640

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-130.000	320.000	20.520
-130.000	330.000	21.570
-140.000	330.000	20.910
-140.000	320.000	20.910
-140.000	310.000	20.970
-140.000	300.000	20.190
-140.000	290.000	19.020
-140.000	280.000	20.010
-140.000	270.000	21.060
-140.000	260.000	22.050
-140.000	250.000	20.400
-140.000	240.000	20.670
-140.000	230.000	21.180
-140.000	220.000	20.880
-140.000	210.000	21.270
-140.000	200.000	21.360
-140.000	190.000	22.020
-140.000	180.000	-2.280
-140.000	170.000	24.030
-140.000	160.000	25.770
-140.000	150.000	23.130
-140.000	140.000	34.600
-140.000	130.000	35.900
-140.000	120.000	33.100
-140.000	110.000	29.160
-140.000	100.000	31.300
-140.000	90.000	28.290
-140.000	80.000	31.900
-140.000	70.000	26.520
-140.000	60.000	26.190
-140.000	50.000	25.830
-140.000	40.000	24.450
-140.000	30.000	23.970
-140.000	20.000	24.900
-140.000	10.000	24.600
-140.000	0.000	25.260
-150.000	30.000	20.700
-150.000	40.000	19.710
-150.000	50.000	22.260
-150.000	60.000	22.710
-150.000	70.000	23.400
-150.000	80.000	23.850
-150.000	90.000	26.000
-150.000	100.000	25.260
-150.000	110.000	24.480
-150.000	120.000	27.450
-150.000	130.000	26.940
-150.000	140.000	30.200
-150.000	150.000	27.030

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-150.000	160.000	26.010
-150.000	170.000	23.280
-150.000	180.000	21.480
-150.000	190.000	20.610
-150.000	200.000	19.410
-150.000	210.000	18.930
-150.000	220.000	19.890
-150.000	230.000	18.660
-150.000	240.000	19.770
-150.000	250.000	21.000
-150.000	260.000	19.080
-150.000	270.000	19.800
-150.000	280.000	19.410
-150.000	290.000	17.850
-150.000	300.000	20.700
-150.000	310.000	21.690
-150.000	320.000	21.000
-150.000	330.000	23.910
-160.000	330.000	26.070
-160.000	320.000	22.290
-160.000	310.000	20.370
-160.000	300.000	22.710
-160.000	290.000	23.700
-160.000	280.000	22.140
-160.000	270.000	23.520
-160.000	260.000	22.470
-160.000	250.000	22.560
-160.000	240.000	22.320
-160.000	230.000	20.640
-160.000	220.000	20.340
-160.000	210.000	20.820
-160.000	200.000	19.770
-160.000	190.000	20.730
-160.000	180.000	23.070
-160.000	170.000	23.790
-160.000	160.000	24.630
-160.000	150.000	25.950
-160.000	140.000	26.850
-160.000	130.000	26.280
-160.000	120.000	21.150
-160.000	110.000	20.190
-160.000	100.000	19.320
-160.000	90.000	19.740
-160.000	80.000	28.560
-160.000	70.000	24.600
-160.000	60.000	26.250
-160.000	50.000	23.160
-160.000	40.000	22.650
-160.000	30.000	23.400

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-170.000	50.000	28.020
-170.000	60.000	30.270
-170.000	70.000	30.700
-170.000	80.000	29.700
-170.000	90.000	27.570
-170.000	100.000	23.640
-170.000	110.000	24.780
-170.000	120.000	26.310
-170.000	130.000	26.460
-170.000	140.000	26.250
-170.000	150.000	24.480
-170.000	160.000	24.450
-170.000	170.000	22.770
-170.000	180.000	20.610
-170.000	190.000	20.880
-170.000	200.000	21.000
-170.000	210.000	21.630
-170.000	220.000	21.810
-170.000	230.000	22.710
-170.000	240.000	20.940
-170.000	250.000	24.210
-170.000	260.000	26.520
-170.000	270.000	22.470
-170.000	280.000	23.730
-170.000	290.000	23.490
-170.000	300.000	24.030
-170.000	310.000	22.470
-170.000	320.000	27.720
-170.000	330.000	26.520
-180.000	330.000	30.570
-180.000	320.000	31.900
-180.000	310.000	29.460
-180.000	300.000	25.350
-180.000	290.000	25.110
-180.000	280.000	25.620
-180.000	270.000	25.410
-180.000	260.000	26.550
-180.000	250.000	27.060
-180.000	240.000	25.980
-180.000	230.000	26.880
-180.000	220.000	27.180
-180.000	210.000	24.750
-180.000	200.000	21.720
-180.000	190.000	21.480
-180.000	180.000	21.060
-180.000	170.000	23.040
-180.000	160.000	23.850
-180.000	150.000	22.170
-180.000	140.000	24.390
-180.000	130.000	26.640

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-180.000	120.000	25.170
-180.000	110.000	26.280
-180.000	100.000	27.690
-180.000	90.000	29.100
-180.000	80.000	29.490
-180.000	70.000	31.900
-180.000	60.000	30.450
-190.000	80.000	31.600
-190.000	90.000	32.000
-190.000	100.000	31.500
-190.000	110.000	29.760
-190.000	120.000	26.910
-190.000	130.000	26.310
-190.000	140.000	25.980
-190.000	150.000	25.200
-190.000	160.000	25.680
-190.000	170.000	24.240
-190.000	180.000	25.020
-190.000	190.000	25.710
-190.000	200.000	27.600
-190.000	210.000	28.350
-190.000	220.000	28.050
-190.000	230.000	24.420
-190.000	240.000	24.510
-190.000	250.000	26.850
-190.000	270.000	25.530
-190.000	280.000	23.760
-190.000	290.000	24.750
-190.000	300.000	23.760
-190.000	310.000	29.500
-190.000	320.000	29.300
-190.000	330.000	28.900
-200.000	330.000	21.930
-200.000	320.000	30.600
-200.000	310.000	28.600
-200.000	300.000	26.850
-200.000	290.000	29.610
-200.000	280.000	28.470
-200.000	270.000	28.830
-200.000	260.000	27.810
-200.000	250.000	29.100
-200.000	240.000	26.640
-200.000	230.000	26.040
-200.000	220.000	28.320
-200.000	210.000	27.700
-200.000	200.000	31.800
-200.000	190.000	29.700
-200.000	180.000	28.920
-200.000	170.000	31.500

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-200.000	160.000	29.700
-200.000	150.000	29.700
-200.000	140.000	33.300
-200.000	130.000	37.500
-200.000	120.000	36.600
-200.000	110.000	34.500
-200.000	100.000	34.800
-210.000	110.000	36.400
-210.000	120.000	35.900
-210.000	130.000	39.000
-210.000	140.000	37.900
-210.000	150.000	35.700
-210.000	160.000	35.000
-210.000	170.000	35.500
-210.000	180.000	34.200
-210.000	190.000	32.200
-210.000	200.000	35.100
-210.000	210.000	35.400
-210.000	220.000	32.500
-210.000	230.000	28.100
-210.000	240.000	26.670
-210.000	250.000	28.320
-210.000	260.000	30.200
-210.000	270.000	30.600
-210.000	280.000	29.700
-210.000	300.000	32.000
-210.000	310.000	31.600
-210.000	320.000	25.230
-220.000	320.000	25.650
-220.000	310.000	30.100
-220.000	300.000	29.700
-220.000	290.000	27.570
-220.000	280.000	31.600
-220.000	270.000	29.610
-220.000	260.000	27.450
-220.000	250.000	25.200
-220.000	240.000	25.200
-220.000	230.000	28.830
-220.000	220.000	31.800
-220.000	210.000	36.100
-220.000	200.000	39.700
-220.000	190.000	35.500
-220.000	180.000	32.900
-220.000	170.000	35.200
-220.000	160.000	36.200
-220.000	150.000	34.900
-220.000	140.000	35.900
-220.000	130.000	34.700
-220.000	120.000	33.700

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-220.000	110.000	33.000
-230.000	110.000	34.400
-230.000	120.000	33.800
-230.000	130.000	33.600
-230.000	140.000	32.200
-230.000	150.000	32.100
-230.000	160.000	32.700
-230.000	170.000	29.500
-230.000	180.000	29.900
-230.000	190.000	32.100
-230.000	200.000	38.300
-230.000	210.000	40.500
-230.000	220.000	37.000
-230.000	230.000	31.200
-230.000	240.000	29.460
-230.000	250.000	29.550
-230.000	260.000	30.300
-230.000	270.000	33.000
-230.000	280.000	32.000
-230.000	290.000	30.400
-230.000	300.000	33.300
-230.000	310.000	31.300
-230.000	320.000	30.400
-230.000	330.000	33.500
-240.000	330.000	35.400
-240.000	320.000	33.400
-240.000	310.000	31.800
-240.000	300.000	33.900
-240.000	290.000	33.500
-240.000	280.000	32.400
-240.000	270.000	32.100
-240.000	260.000	32.400
-240.000	250.000	32.100
-240.000	240.000	29.490
-240.000	230.000	29.900
-240.000	220.000	36.000
-240.000	210.000	41.200
-240.000	200.000	37.400
-240.000	190.000	34.000
-240.000	180.000	35.700
-240.000	170.000	33.600
-240.000	160.000	36.700
-240.000	150.000	31.300
-240.000	140.000	34.100
-240.000	130.000	34.300
-240.000	120.000	34.900
-250.000	120.000	33.200
-250.000	130.000	33.500

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-250.000	140.000	34.100
-250.000	150.000	32.500
-250.000	160.000	35.900
-250.000	170.000	35.000
-250.000	180.000	36.400
-250.000	190.000	33.600
-250.000	200.000	35.600
-250.000	210.000	34.700
-250.000	220.000	35.300
-250.000	230.000	37.400
-250.000	240.000	31.900
-250.000	250.000	34.000
-250.000	260.000	34.200
-250.000	270.000	27.510
-250.000	280.000	29.910
-250.000	290.000	33.100
-250.000	300.000	31.400
-250.000	310.000	33.400
-250.000	320.000	32.400
-250.000	330.000	32.800
-260.000	330.000	28.860
-260.000	320.000	33.000
-260.000	310.000	30.450
-260.000	300.000	29.940
-260.000	290.000	28.680
-260.000	280.000	29.940
-260.000	270.000	27.390
-260.000	260.000	30.700
-260.000	250.000	36.500
-260.000	240.000	35.200
-260.000	230.000	31.000
-260.000	220.000	33.000
-260.000	210.000	33.500
-260.000	200.000	35.200
-260.000	190.000	34.200
-260.000	180.000	36.100
-260.000	170.000	33.300
-260.000	160.000	33.800
-260.000	150.000	31.500
-260.000	140.000	32.100
-260.000	130.000	33.900
-270.000	130.000	32.700
-270.000	140.000	33.200
-270.000	150.000	33.500
-270.000	160.000	33.200
-270.000	170.000	32.700
-270.000	180.000	33.100
-270.000	190.000	33.500
-270.000	200.000	32.600

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-270.000	210.000	34.000
-270.000	220.000	33.100
-270.000	230.000	34.700
-270.000	240.000	37.200
-270.000	250.000	34.600
-270.000	260.000	32.100
-270.000	270.000	30.900
-270.000	280.000	29.400
-270.000	290.000	30.600
-270.000	300.000	29.790
-270.000	310.000	30.210
-270.000	320.000	29.040
-280.000	300.000	32.000
-280.000	290.000	33.300
-280.000	280.000	34.400
-280.000	270.000	34.000
-280.000	260.000	37.400
-280.000	250.000	37.200
-280.000	240.000	37.600
-280.000	230.000	39.300
-280.000	220.000	37.400
-280.000	210.000	32.900
-280.000	200.000	31.500
-280.000	190.000	32.000
-280.000	180.000	32.400
-280.000	170.000	31.000
-280.000	160.000	31.200
-280.000	150.000	32.800
-290.000	160.000	33.200
-290.000	170.000	33.900
-290.000	180.000	33.400
-290.000	190.000	31.600
-290.000	200.000	31.800
-290.000	210.000	30.700
-290.000	220.000	32.500
-290.000	230.000	37.700
-290.000	240.000	38.200
-290.000	250.000	43.500
-290.000	260.000	42.500
-290.000	270.000	34.300
-290.000	280.000	34.600
-290.000	290.000	34.500
-290.000	300.000	30.900
-300.000	290.000	29.160
-300.000	280.000	32.100
-300.000	270.000	32.400
-300.000	260.000	33.900
-300.000	250.000	41.400

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-300.000	240.000	35.600
-300.000	230.000	33.000
-300.000	220.000	31.700
-300.000	210.000	32.200
-300.000	200.000	30.780
-300.000	190.000	32.600
-300.000	180.000	31.900
-300.000	170.000	31.020
-310.000	180.000	32.800
-310.000	190.000	31.800
-310.000	200.000	32.200
-310.000	210.000	32.900
-310.000	220.000	34.700
-310.000	230.000	33.600
-310.000	240.000	35.900
-310.000	250.000	36.800
-310.000	260.000	34.800
-310.000	270.000	32.600
-310.000	280.000	30.150
-320.000	280.000	32.600
-320.000	270.000	35.900
-320.000	260.000	35.800
-320.000	250.000	36.400
-320.000	240.000	37.500
-320.000	230.000	33.900
-320.000	220.000	33.100
-320.000	210.000	31.700
-320.000	200.000	31.300
-320.000	190.000	31.800
-320.000	180.000	30.900
-330.000	190.000	32.500
-330.000	200.000	32.700
-330.000	210.000	32.400
-330.000	220.000	33.500
-330.000	230.000	37.100
-330.000	240.000	37.300
-330.000	250.000	37.000
-330.000	260.000	35.600
-330.000	270.000	34.500

APPENDIX D.10.

ELECTROMAGNETIC (EM34-3XL) VERTICAL DIPOLE DATA FOR AREA J SURVEY

MOUND AREA J EM34 SURVEY
VERTICAL DIPOLE

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
0.000	330.000	30.800
0.000	320.000	29.640
0.000	310.000	26.040
0.000	300.000	26.730
0.000	290.000	20.070
0.000	280.000	29.900
0.000	270.000	29.900
0.000	260.000	31.100
0.000	250.000	33.600
0.000	240.000	27.510
0.000	230.000	27.240
0.000	220.000	26.670
0.000	210.000	30.700
0.000	200.000	37.800
0.000	190.000	37.800
0.000	180.000	33.400
0.000	170.000	42.700
0.000	160.000	35.100
-10.000	100.000	19.110
-10.000	110.000	22.770
-10.000	120.000	26.820
-10.000	130.000	31.700
-10.000	140.000	44.800
-10.000	150.000	35.800
-10.000	160.000	32.500
-10.000	170.000	29.130
-10.000	180.000	26.400
-10.000	190.000	35.200
-10.000	200.000	35.100
-10.000	210.000	29.520
-10.000	220.000	30.100
-10.000	230.000	24.500
-10.000	240.000	31.400
-10.000	250.000	35.900
-10.000	260.000	30.100
-10.000	270.000	31.800
-10.000	280.000	27.900
-10.000	290.000	23.100
-10.000	300.000	25.590
-10.000	310.000	26.520
-10.000	320.000	25.110
-10.000	330.000	26.160
-20.000	330.000	25.300
-20.000	320.000	25.920
-20.000	310.000	27.800
-20.000	300.000	25.020

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-20.000	290.000	21.810
-20.000	280.000	19.050
-20.000	270.000	29.940
-20.000	260.000	30.600
-20.000	250.000	31.900
-20.000	240.000	29.300
-20.000	230.000	25.980
-20.000	220.000	21.930
-20.000	210.000	29.400
-20.000	200.000	28.400
-20.000	190.000	23.400
-20.000	180.000	21.960
-20.000	170.000	21.810
-20.000	160.000	28.800
-20.000	150.000	32.200
-20.000	140.000	35.800
-20.000	130.000	35.000
-20.000	120.000	34.000
-20.000	110.000	26.730
-20.000	100.000	21.990
-20.000	90.000	19.590
-20.000	80.000	17.370
-20.000	70.000	17.550
-20.000	60.000	21.780
-20.000	50.000	21.060
-30.000	0.000	24.810
-30.000	10.000	20.730
-30.000	20.000	26.300
-30.000	30.000	26.490
-30.000	40.000	26.310
-30.000	50.000	13.890
-30.000	60.000	22.590
-30.000	70.000	20.340
-30.000	80.000	24.300
-30.000	90.000	25.200
-30.000	100.000	30.300
-30.000	110.000	35.800
-30.000	120.000	39.900
-30.000	130.000	32.200
-30.000	140.000	21.150
-30.000	150.000	24.780
-30.000	160.000	26.340
-30.000	170.000	16.860
-30.000	180.000	21.960
-30.000	190.000	20.430
-30.000	200.000	22.830
-30.000	210.000	20.040
-30.000	220.000	22.830
-30.000	230.000	28.700
-30.000	240.000	31.700

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-30.000	250.000	35.700
-30.000	260.000	29.130
-30.000	270.000	24.450
-30.000	280.000	14.130
-30.000	290.000	20.580
-30.000	300.000	23.280
-30.000	310.000	32.500
-30.000	320.000	30.300
-30.000	330.000	29.970
-40.000	330.000	25.830
-40.000	320.000	28.080
-40.000	310.000	28.470
-40.000	300.000	27.960
-40.000	290.000	25.980
-40.000	280.000	20.790
-40.000	270.000	19.950
-40.000	260.000	23.910
-40.000	250.000	29.400
-40.000	240.000	31.600
-40.000	230.000	30.800
-40.000	220.000	26.790
-40.000	210.000	21.900
-40.000	200.000	23.910
-40.000	190.000	22.290
-40.000	180.000	24.900
-40.000	170.000	19.350
-40.000	160.000	10.800
-40.000	150.000	19.110
-40.000	140.000	18.870
-40.000	130.000	17.670
-40.000	120.000	38.400
-40.000	110.000	39.200
-40.000	100.000	33.700
-40.000	90.000	29.400
-40.000	80.000	28.530
-40.000	70.000	20.670
-40.000	60.000	14.130
-40.000	50.000	12.930
-40.000	40.000	19.950
-40.000	30.000	20.970
-40.000	20.000	21.660
-40.000	10.000	22.320
-40.000	0.000	25.920
-50.000	0.000	25.920
-50.000	10.000	21.960
-50.000	20.000	21.060
-50.000	30.000	9.750
-50.000	40.000	21.270
-50.000	50.000	20.790

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-50.000	60.000	13.950
-50.000	70.000	21.390
-50.000	80.000	29.460
-50.000	90.000	31.100
-50.000	100.000	35.400
-50.000	110.000	31.300
-50.000	120.000	32.300
-50.000	130.000	24.750
-50.000	140.000	21.270
-50.000	150.000	19.110
-50.000	160.000	23.010
-50.000	170.000	18.480
-50.000	180.000	24.180
-50.000	190.000	24.810
-50.000	200.000	21.090
-50.000	210.000	23.640
-50.000	220.000	24.930
-50.000	230.000	28.830
-50.000	240.000	32.200
-50.000	250.000	29.670
-50.000	260.000	24.810
-50.000	270.000	20.010
-50.000	280.000	18.960
-50.000	290.000	24.060
-50.000	300.000	27.480
-50.000	310.000	24.600
-50.000	320.000	25.890
-50.000	330.000	25.830
-60.000	330.000	20.340
-60.000	320.000	21.810
-60.000	310.000	22.170
-60.000	300.000	26.820
-60.000	290.000	26.220
-60.000	280.000	22.140
-60.000	270.000	18.540
-60.000	260.000	21.180
-60.000	250.000	30.060
-60.000	240.000	28.980
-60.000	230.000	27.570
-60.000	220.000	21.960
-60.000	210.000	18.990
-60.000	200.000	22.740
-60.000	190.000	31.600
-60.000	180.000	23.820
-60.000	170.000	20.280
-60.000	160.000	24.990
-60.000	150.000	22.410
-60.000	140.000	28.110
-60.000	130.000	27.960
-60.000	120.000	30.600

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-60.000	110.000	30.420
-60.000	100.000	31.500
-60.000	90.000	28.440
-60.000	80.000	21.780
-60.000	70.000	20.640
-60.000	60.000	23.070
-60.000	50.000	25.410
-60.000	40.000	22.230
-60.000	30.000	23.460
-60.000	20.000	23.460
-60.000	10.000	20.820
-60.000	0.000	24.840
-70.000	0.000	22.290
-70.000	10.000	22.410
-70.000	20.000	21.930
-70.000	30.000	23.220
-70.000	40.000	20.940
-70.000	50.000	26.670
-70.000	60.000	24.870
-70.000	70.000	22.800
-70.000	80.000	19.740
-70.000	90.000	20.130
-70.000	100.000	26.550
-70.000	110.000	30.100
-70.000	120.000	24.180
-70.000	130.000	19.620
-70.000	140.000	21.990
-70.000	150.000	28.890
-70.000	160.000	21.990
-70.000	170.000	12.540
-70.000	180.000	20.700
-70.000	190.000	32.400
-70.000	200.000	25.260
-70.000	210.000	19.770
-70.000	220.000	22.710
-70.000	230.000	24.540
-70.000	240.000	25.350
-70.000	250.000	23.280
-70.000	260.000	18.840
-70.000	270.000	17.760
-70.000	280.000	24.630
-70.000	290.000	25.320
-70.000	300.000	23.640
-70.000	310.000	22.200
-70.000	320.000	22.140
-70.000	330.000	21.720
-80.000	330.000	21.450
-80.000	320.000	21.600
-80.000	310.000	19.740

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-80.000	300.000	24.600
-80.000	290.000	27.570
-80.000	280.000	28.560
-80.000	270.000	13.560
-80.000	260.000	11.340
-80.000	250.000	15.600
-80.000	240.000	16.320
-80.000	230.000	29.160
-80.000	220.000	25.950
-80.000	210.000	27.480
-80.000	200.000	27.540
-80.000	190.000	24.180
-80.000	180.000	15.060
-80.000	170.000	18.540
-80.000	160.000	23.520
-80.000	150.000	31.900
-80.000	140.000	33.300
-80.000	130.000	22.770
-80.000	120.000	26.580
-80.000	110.000	9.870
-80.000	100.000	11.250
-80.000	90.000	9.630
-80.000	80.000	27.810
-80.000	70.000	30.150
-80.000	60.000	29.670
-80.000	50.000	22.830
-80.000	40.000	22.410
-80.000	30.000	22.140
-80.000	20.000	22.590
-80.000	10.000	17.520
-80.000	0.000	25.410
-90.000	0.000	20.430
-90.000	10.000	21.480
-90.000	20.000	23.340
-90.000	30.000	22.020
-90.000	40.000	19.290
-90.000	50.000	23.700
-90.000	60.000	24.690
-90.000	70.000	32.700
-90.000	80.000	34.800
-90.000	90.000	14.610
-90.000	100.000	4.430
-90.000	110.000	8.080
-90.000	120.000	33.900
-90.000	130.000	34.900
-90.000	140.000	30.060
-90.000	150.000	34.500
-90.000	160.000	28.080
-90.000	170.000	24.090
-90.000	180.000	18.660

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-90.000	190.000	19.560
-90.000	200.000	22.230
-90.000	210.000	20.160
-90.000	220.000	25.950
-90.000	230.000	25.770
-90.000	240.000	18.030
-90.000	250.000	13.350
-90.000	260.000	17.640
-90.000	270.000	18.840
-90.000	280.000	19.950
-90.000	290.000	21.450
-90.000	300.000	18.900
-90.000	310.000	19.890
-90.000	320.000	22.500
-90.000	330.000	28.860
-100.000	330.000	25.170
-100.000	320.000	21.000
-100.000	310.000	14.760
-100.000	300.000	18.450
-100.000	290.000	23.280
-100.000	280.000	26.730
-100.000	270.000	24.480
-100.000	260.000	20.550
-100.000	250.000	17.070
-100.000	240.000	17.220
-100.000	230.000	18.390
-100.000	220.000	22.380
-100.000	210.000	21.960
-100.000	200.000	20.220
-100.000	190.000	24.330
-100.000	180.000	20.760
-100.000	170.000	23.850
-100.000	160.000	25.560
-100.000	150.000	27.000
-100.000	140.000	33.300
-100.000	130.000	40.700
-100.000	120.000	23.880
-100.000	110.000	8.030
-100.000	100.000	2.388
-100.000	90.000	24.660
-100.000	80.000	38.100
-100.000	70.000	33.700
-100.000	60.000	24.840
-100.000	50.000	22.950
-100.000	40.000	19.230
-100.000	30.000	21.180
-100.000	20.000	19.650
-100.000	10.000	24.180
-100.000	0.000	18.990

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-110.000	0.000	20.900
-110.000	10.000	21.600
-110.000	20.000	18.000
-110.000	30.000	15.660
-110.000	40.000	15.420
-110.000	50.000	19.590
-110.000	60.000	24.150
-110.000	70.000	26.640
-110.000	80.000	30.200
-110.000	90.000	17.760
-110.000	100.000	4.520
-110.000	110.000	-18.800
-110.000	120.000	14.910
-110.000	130.000	27.210
-110.000	140.000	25.740
-110.000	150.000	23.520
-110.000	160.000	18.120
-110.000	170.000	17.070
-110.000	180.000	18.330
-110.000	190.000	15.570
-110.000	200.000	20.370
-110.000	210.000	24.570
-110.000	220.000	23.370
-110.000	230.000	8.230
-110.000	240.000	16.950
-110.000	250.000	15.990
-110.000	260.000	22.110
-110.000	270.000	24.030
-110.000	280.000	21.480
-110.000	290.000	20.820
-110.000	300.000	11.760
-110.000	310.000	14.310
-110.000	320.000	20.880
-110.000	330.000	23.100
-120.000	330.000	20.220
-120.000	320.000	21.300
-120.000	310.000	7.350
-120.000	300.000	12.510
-120.000	290.000	18.180
-120.000	280.000	19.020
-120.000	270.000	21.300
-120.000	260.000	25.050
-120.000	250.000	20.400
-120.000	240.000	10.470
-120.000	230.000	13.170
-120.000	220.000	20.460
-120.000	210.000	21.150
-120.000	200.000	18.000
-120.000	190.000	17.370
-120.000	180.000	18.090

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-120.000	170.000	19.200
-120.000	160.000	25.290
-120.000	150.000	29.100
-120.000	140.000	29.670
-120.000	130.000	23.070
-120.000	120.000	5.220
-120.000	110.000	-14.340
-120.000	100.000	-11.100
-120.000	90.000	14.190
-120.000	80.000	36.000
-120.000	70.000	28.890
-120.000	60.000	20.250
-120.000	50.000	17.760
-120.000	40.000	11.130
-120.000	30.000	19.500
-120.000	20.000	17.250
-120.000	10.000	21.270
-120.000	0.000	20.760
-130.000	0.000	17.610
-130.000	10.000	22.380
-130.000	20.000	24.540
-130.000	30.000	18.570
-130.000	40.000	19.260
-130.000	50.000	17.880
-130.000	60.000	22.110
-130.000	70.000	32.200
-130.000	80.000	40.800
-130.000	90.000	19.290
-130.000	100.000	-14.730
-130.000	110.000	-23.760
-130.000	120.000	-18.299
-130.000	130.000	26.760
-130.000	140.000	36.000
-130.000	150.000	34.700
-130.000	160.000	27.210
-130.000	170.000	23.880
-130.000	180.000	17.910
-130.000	190.000	19.830
-130.000	200.000	20.910
-130.000	210.000	22.200
-130.000	220.000	20.370
-130.000	230.000	20.880
-130.000	240.000	16.470
-130.000	250.000	16.110
-130.000	260.000	18.960
-130.000	270.000	14.760
-130.000	280.000	17.700
-130.000	290.000	13.980
-130.000	300.000	16.620
-130.000	310.000	19.470

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-130.000	320.000	20.670
-130.000	330.000	21.720
-140.000	330.000	25.290
-140.000	320.000	21.030
-140.000	310.000	20.070
-140.000	300.000	15.450
-140.000	290.000	21.330
-140.000	280.000	16.140
-140.000	270.000	18.600
-140.000	260.000	17.220
-140.000	250.000	21.540
-140.000	240.000	18.090
-140.000	230.000	14.580
-140.000	220.000	18.960
-140.000	210.000	22.110
-140.000	200.000	19.890
-140.000	190.000	14.820
-140.000	180.000	33.000
-140.000	170.000	23.640
-140.000	160.000	24.120
-140.000	150.000	29.910
-140.000	140.000	27.600
-140.000	130.000	21.840
-140.000	120.000	5.610
-140.000	110.000	-2.358
-140.000	100.000	6.220
-140.000	90.000	20.010
-140.000	80.000	41.200
-140.000	70.000	32.700
-140.000	60.000	29.370
-140.000	50.000	24.990
-140.000	40.000	24.900
-140.000	30.000	24.870
-140.000	20.000	22.740
-140.000	10.000	21.300
-140.000	0.000	16.230
-150.000	30.000	24.360
-150.000	40.000	25.920
-150.000	50.000	28.260
-150.000	60.000	35.200
-150.000	70.000	34.600
-150.000	80.000	45.200
-150.000	90.000	33.700
-150.000	100.000	23.820
-150.000	110.000	22.350
-150.000	120.000	25.410
-150.000	130.000	24.750
-150.000	140.000	22.290
-150.000	150.000	20.790

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-150.000	160.000	19.440
-150.000	170.000	14.490
-150.000	180.000	16.860
-150.000	190.000	17.190
-150.000	200.000	19.170
-150.000	210.000	20.190
-150.000	220.000	24.690
-150.000	230.000	21.960
-150.000	240.000	21.330
-150.000	250.000	20.130
-150.000	260.000	18.450
-150.000	270.000	20.760
-150.000	280.000	27.240
-150.000	290.000	26.610
-150.000	300.000	22.740
-150.000	310.000	23.100
-150.000	320.000	21.450
-150.000	330.000	25.920
-160.000	330.000	24.750
-160.000	320.000	25.020
-160.000	310.000	24.840
-160.000	300.000	19.290
-160.000	290.000	23.730
-160.000	280.000	26.490
-160.000	270.000	22.650
-160.000	260.000	22.020
-160.000	250.000	21.180
-160.000	240.000	21.540
-160.000	230.000	24.390
-160.000	220.000	26.550
-160.000	210.000	25.770
-160.000	200.000	22.200
-160.000	190.000	21.600
-160.000	180.000	15.570
-160.000	170.000	18.480
-160.000	160.000	18.690
-160.000	150.000	26.610
-160.000	140.000	26.400
-160.000	130.000	27.990
-160.000	120.000	30.000
-160.000	110.000	21.690
-160.000	100.000	27.120
-160.000	90.000	32.000
-160.000	80.000	39.800
-160.000	70.000	41.500
-160.000	60.000	38.500
-160.000	50.000	36.900
-160.000	40.000	29.000
-160.000	30.000	22.740

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-170.000	50.000	29.850
-170.000	60.000	34.200
-170.000	70.000	36.200
-170.000	80.000	38.800
-170.000	90.000	33.400
-170.000	100.000	30.300
-170.000	110.000	34.300
-170.000	120.000	28.050
-170.000	130.000	28.920
-170.000	140.000	23.370
-170.000	150.000	21.510
-170.000	160.000	19.590
-170.000	170.000	21.780
-170.000	180.000	20.760
-170.000	190.000	23.520
-170.000	200.000	28.560
-170.000	210.000	31.500
-170.000	220.000	31.600
-170.000	230.000	21.600
-170.000	240.000	21.030
-170.000	250.000	22.770
-170.000	260.000	20.670
-170.000	270.000	19.830
-170.000	280.000	18.630
-170.000	290.000	20.160
-170.000	300.000	24.840
-170.000	310.000	27.480
-170.000	320.000	33.800
-170.000	330.000	27.000
-180.000	330.000	28.410
-180.000	320.000	30.570
-180.000	310.000	28.020
-180.000	300.000	25.770
-180.000	290.000	23.190
-180.000	280.000	20.070
-180.000	270.000	22.020
-180.000	260.000	26.700
-180.000	250.000	23.640
-180.000	240.000	22.500
-180.000	230.000	25.830
-180.000	220.000	28.440
-180.000	210.000	32.900
-180.000	200.000	30.500
-180.000	190.000	26.580
-180.000	180.000	26.610
-180.000	170.000	27.090
-180.000	160.000	27.810
-180.000	150.000	29.550
-180.000	140.000	30.210
-180.000	130.000	38.600

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-180.000	120.000	36.500
-180.000	110.000	38.600
-180.000	100.000	37.900
-180.000	90.000	33.900
-180.000	80.000	31.600
-180.000	70.000	37.700
-180.000	60.000	33.300
-190.000	80.000	36.600
-190.000	90.000	40.800
-190.000	100.000	37.000
-190.000	110.000	41.200
-190.000	120.000	40.100
-190.000	130.000	40.700
-190.000	140.000	40.600
-190.000	150.000	36.200
-190.000	160.000	35.300
-190.000	170.000	31.400
-190.000	180.000	33.600
-190.000	190.000	36.500
-190.000	200.000	31.900
-190.000	210.000	35.900
-190.000	220.000	32.600
-190.000	230.000	26.160
-190.000	240.000	28.200
-190.000	250.000	24.720
-190.000	260.000	28.740
-190.000	270.000	25.230
-190.000	280.000	27.210
-190.000	290.000	28.800
-190.000	300.000	28.500
-190.000	310.000	30.500
-190.000	320.000	32.300
-190.000	330.000	28.830
-200.000	330.000	28.170
-200.000	320.000	27.000
-200.000	310.000	26.500
-200.000	300.000	30.500
-200.000	290.000	21.900
-200.000	280.000	27.450
-200.000	270.000	25.950
-200.000	260.000	24.150
-200.000	250.000	21.750
-200.000	240.000	28.900
-200.000	230.000	29.000
-200.000	220.000	37.900
-200.000	210.000	38.100
-200.000	200.000	43.000
-200.000	190.000	36.600
-200.000	180.000	36.300

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-200.000	170.000	32.600
-200.000	160.000	35.400
-200.000	150.000	28.600
-200.000	140.000	36.700
-200.000	130.000	32.800
-200.000	120.000	34.200
-200.000	110.000	33.200
-200.000	100.000	36.000
-210.000	110.000	37.600
-210.000	120.000	33.900
-210.000	130.000	29.900
-210.000	140.000	36.600
-210.000	150.000	29.500
-210.000	160.000	32.200
-210.000	170.000	33.100
-210.000	180.000	36.900
-210.000	190.000	36.500
-210.000	200.000	43.800
-210.000	210.000	47.100
-210.000	220.000	35.200
-210.000	230.000	30.200
-210.000	240.000	26.760
-210.000	250.000	26.910
-210.000	260.000	26.490
-210.000	270.000	23.550
-210.000	280.000	25.080
-210.000	290.000	28.530
-210.000	300.000	33.700
-210.000	310.000	30.600
-210.000	320.000	26.490
-220.000	320.000	29.200
-220.000	310.000	29.000
-220.000	300.000	36.700
-220.000	290.000	31.700
-220.000	280.000	29.160
-220.000	270.000	21.330
-220.000	260.000	23.970
-220.000	250.000	23.070
-220.000	240.000	28.740
-220.000	230.000	32.900
-220.000	220.000	44.700
-220.000	210.000	44.700
-220.000	200.000	40.500
-220.000	190.000	31.600
-220.000	180.000	37.800
-220.000	170.000	35.900
-220.000	160.000	32.800
-220.000	150.000	31.700
-220.000	140.000	29.800

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-220.000	130.000	29.700
-220.000	120.000	34.600
-220.000	110.000	29.040
-230.000	110.000	31.100
-230.000	120.000	32.900
-230.000	130.000	37.400
-230.000	140.000	29.100
-230.000	150.000	30.000
-230.000	160.000	34.600
-230.000	170.000	30.300
-230.000	180.000	30.900
-230.000	190.000	25.800
-230.000	200.000	39.200
-230.000	210.000	38.800
-230.000	220.000	44.400
-230.000	230.000	38.100
-230.000	240.000	33.100
-230.000	250.000	24.360
-230.000	260.000	30.700
-230.000	270.000	30.900
-230.000	280.000	27.800
-230.000	290.000	31.000
-230.000	300.000	34.100
-230.000	310.000	32.600
-230.000	320.000	29.800
-230.000	330.000	33.100
-240.000	330.000	35.300
-240.000	320.000	34.800
-240.000	310.000	39.900
-240.000	300.000	28.900
-240.000	290.000	31.400
-240.000	280.000	38.400
-240.000	270.000	36.800
-240.000	260.000	37.800
-240.000	250.000	36.500
-240.000	240.000	47.200
-240.000	230.000	46.100
-240.000	220.000	45.700
-240.000	210.000	41.600
-240.000	200.000	34.400
-240.000	190.000	32.000
-240.000	180.000	32.000
-240.000	170.000	31.200
-240.000	160.000	38.800
-240.000	150.000	37.400
-240.000	140.000	34.700
-240.000	130.000	29.500
-240.000	120.000	34.200

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-250.000	120.000	31.100
-250.000	130.000	31.900
-250.000	140.000	33.300
-250.000	150.000	34.100
-250.000	160.000	31.800
-250.000	170.000	32.300
-250.000	180.000	34.300
-250.000	190.000	35.600
-250.000	200.000	33.100
-250.000	210.000	35.100
-250.000	220.000	41.500
-250.000	230.000	53.100
-250.000	240.000	39.100
-250.000	250.000	37.500
-250.000	260.000	34.000
-250.000	270.000	33.000
-250.000	280.000	32.700
-250.000	290.000	33.000
-250.000	300.000	28.890
-250.000	310.000	35.400
-250.000	320.000	32.400
-250.000	330.000	32.400
-260.000	330.000	28.140
-260.000	320.000	30.800
-260.000	310.000	31.700
-260.000	300.000	31.800
-260.000	290.000	27.390
-260.000	280.000	23.430
-260.000	270.000	30.500
-260.000	260.000	48.900
-260.000	250.000	52.800
-260.000	240.000	51.600
-260.000	230.000	39.000
-260.000	220.000	42.200
-260.000	210.000	32.600
-260.000	200.000	34.000
-260.000	190.000	41.100
-260.000	180.000	32.600
-260.000	170.000	35.600
-260.000	160.000	34.300
-260.000	150.000	34.700
-260.000	140.000	29.250
-260.000	130.000	34.800
-270.000	130.000	28.920
-270.000	140.000	31.600
-270.000	150.000	35.900
-270.000	160.000	31.800
-270.000	170.000	32.900
-270.000	180.000	35.000

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-270.000	190.000	31.600
-270.000	200.000	36.600
-270.000	210.000	32.800
-270.000	220.000	33.700
-270.000	230.000	37.700
-270.000	240.000	39.800
-270.000	250.000	44.600
-270.000	260.000	36.200
-270.000	270.000	33.800
-270.000	280.000	31.400
-270.000	290.000	32.300
-270.000	300.000	30.500
-270.000	310.000	29.400
-270.000	320.000	23.910
-280.000	300.000	34.600
-280.000	290.000	32.000
-280.000	280.000	28.170
-280.000	270.000	32.300
-280.000	260.000	33.400
-280.000	250.000	37.400
-280.000	240.000	41.500
-280.000	230.000	35.400
-280.000	220.000	39.800
-280.000	210.000	33.700
-280.000	200.000	34.000
-280.000	190.000	35.600
-280.000	180.000	35.000
-280.000	170.000	32.800
-280.000	160.000	35.000
-280.000	150.000	30.900
-290.000	160.000	30.090
-290.000	170.000	28.110
-290.000	180.000	35.100
-290.000	190.000	30.500
-290.000	200.000	26.490
-290.000	210.000	35.400
-290.000	220.000	34.800
-290.000	230.000	41.100
-290.000	240.000	43.300
-290.000	250.000	51.100
-290.000	260.000	49.200
-290.000	270.000	39.500
-290.000	280.000	36.100
-290.000	290.000	23.730
-290.000	300.000	26.130
-300.000	290.000	29.580
-300.000	280.000	26.460
-300.000	270.000	33.300

LINE NUMBER	STATION NUMBER	QUADRATURE COMPONENT
-300.000	260.000	47.800
-300.000	250.000	53.300
-300.000	240.000	44.900
-300.000	230.000	40.800
-300.000	220.000	32.200
-300.000	210.000	36.000
-300.000	200.000	27.390
-300.000	190.000	32.000
-300.000	180.000	31.080
-300.000	170.000	30.840
-310.000	180.000	32.700
-310.000	190.000	37.600
-310.000	200.000	32.500
-310.000	210.000	31.900
-310.000	220.000	39.100
-310.000	230.000	30.800
-310.000	240.000	40.400
-310.000	250.000	49.300
-310.000	260.000	37.400
-310.000	270.000	24.660
-310.000	280.000	23.040
-320.000	280.000	15.210
-320.000	270.000	22.590
-320.000	260.000	34.000
-320.000	250.000	44.400
-320.000	240.000	40.300
-320.000	230.000	37.300
-320.000	220.000	32.400
-320.000	210.000	29.550
-320.000	200.000	33.900
-320.000	190.000	27.930
-320.000	180.000	34.400
-330.000	190.000	29.730
-330.000	200.000	33.900
-330.000	210.000	32.000
-330.000	220.000	32.800
-330.000	230.000	32.700
-330.000	240.000	32.500
-330.000	250.000	33.800
-330.000	260.000	33.300
-330.000	270.000	18.390

APPENDIX E

PLATES ILLUSTRATING MAGNETOMETER/GRADIOMETER AND ELECTROMAGNETIC DATA COLLECTED IN MIAMI-ERIE CANAL AND AREA J SURVEYS