SITE INSPECTION REPORT

DAYTON UNIT IV - RUNNYMEDE PLAYHOUSE
CITY OF OAKWOOD
MONTGOMERY COUNTY, OHIO

USACE CONTRACT NO. DACW49-01-D-0001
DELIVERY ORDER NO. 0003

DECEMBER 2004

DEPARTMENT OF THE ARMY

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Prepared for:

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ACRONYMS AND SYMBOLS

AEC	Atomic Energy Commission
bgs	Below Ground Surface
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CLP	Contract Laboratory Program
COC	Chain-of-Custody
cpm	Counts per Minute
D4	Dayton Unit IV
DOE	Department of Energy
DQO	Data Quality Objective
ERAGS	Ecological Risk Assessment Guidance for Superfund
ESV	Ecological Screening Valve
FUSRAP	Formerly Utilized Sites Remedial Action Program
GCN	Generic Cleanup Number
GPS	Global Positioning System
kg	Kilograms
L	Liter
MED	Manhattan Engineering District
mg	Milligram
mL	Milliliter
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NaI	Sodium Iodide
NOAA	National Oceanic and Atmospheric Administration
NRC	Nuclear Regulatory Commission
ODH	Ohio Department of Health
ODNR	Ohio Department of Natural Resources
OEPA	Ohio Environmental Protection Agency
PA	Preliminary Assessment
Pb-210	Lead-210
Po-210	Polonium-210
pCi/g	PicoCuries per gram

ACRONYMS AND SYMBOLS (Continued)

PRG	Preliminary Remediation Goal
QA	Quality Assurance
QC	Quality Control
QCSR	Quality Control Summary Report
Ra-226	Radium-226
RBC	Risk-Based Concentration
RCRA	Resource Conservation and Recovery Act
SAIC	Science Application International Corporation
SB	Soil Boring
SAP	Sampling and Analysis Plan
SI	Site Inspection
USACE	United States Army Corps of Engineers
USCS	United Soil Classification System
USEPA	United States Environmental Protection Agency
VAP	Voluntary Action Program (Ohio EPA)

EXECUTIVE SUMMARY

This report presents the results of a Site Inspection (SI) at the Dayton Unit IV site located in the City of Oakwood, Montegomery County, Ohio. The site is approximately 2.5-acres in size and includes the land between Runnymede Road and the limits of land taken by the United States government for Dayton Unit IV, as well as an approximate 50-foot wide strip extending along Runnymede Road to an existing storm drainage ditch. This document presents the results of the SI and includes an evaluation of whether further action under the Formerly Utilized Site Remedial Action Program (FUSRAP) is required.

In 1942, the United States Army Corps of Engineers' (USACE) Manhattan Engineer District (MED) was given the assignment for managing research and development of the first atomic weapons. This activity occurred at many sites throughout the United States, one of which was Dayton Unit IV. In January 1947, Congress transferred responsibility for the atomic weapons program from MED to the newly formed Atomic Energy Commission (AEC).

The Dayton Unit IV site was used for research, development, processing and production of polonium, and the storage of processing residues. Two processes were used to obtain Polonium-210 (Po-210). The first involved the extraction of Po-210 from lead dioxide wastes generated by the Port Hope radium refinery in Ontario, Canada. The second process, found superior to the lead dioxide process, involved the chemical separation of Po-210 from bricks and slugs containing irradiated bismuth-209.

The site was utilized until 1949, when the Mound Laboratories were completed in Miamisburg, Ohio. By that time, the main building had become so contaminated with radioactivity that decontamination was impossible; therefore the building was demolished. Demolition began in February 1950 and was completed in the early summer, after which the site was returned to the Corps of Engineers for disposition (Moyer et. al., 1956).

In 1999, the U.S. Department of Energy (DOE) determined the Dayton Unit IV site was eligible for inclusion into FUSRAP. A Preliminary Assessment (PA), completed by the USACE in September 2000, recommended conducting an SI to assess the type, quantity, and extent of any potential radiological contamination on site.

Under FUSRAP, the USACE's authority is limited by Congress to address only contamination associated with MED/AEC activities during the Nation's early atomic energy program. Potential constituents of concern at Dayton Unit IV related to polonium production include polonium-210 (Po-210), lead-210 (Pb-210), and lead. However, because Po-210 has a relatively short half-life (138 days), there could not be any MED-related Po-210 at the site that is not in equilibrium with its longer-lived parents such as Pb-210 (half-life of 22 years). Radium-226 (Ra-226) is also included because it is a long-lived isotope (half-life of 1600 years) preceding Po-210 in the decay chain and may have been present in materials processed in the Dayton area and elsewhere to recover Po-210. There is, however, no known evidence that Ra-226 was released at the site due to MED activities.

The SI was performed to eliminate from further consideration any identified releases of the potential constituents of concern (i.e., Pb-210, Ra-226, and lead) that pose no significant threat to the public health or the environment, to determine if a removal action is needed, and to collect data to better characterize identified releases for an effective and rapid initiation of a Remedial Investigation and Feasibility Study, if necessary. The SI included the following:

- A radiological scoping survey to locate potential areas of elevated gamma activity (gamma readings greater than twice background) for biased soil sampling.
- Soil borings and sampling at representative locations across the site.
- Laboratory analysis of 37 soil samples for lead, Pb-210, and Ra-226.

No areas of elevated gamma activity were identified during the radiological scoping survey (i.e., no gamma readings greater than twice the site background levels). Analytical results from the soil samples were compared to project-specific human health and/or ecological risk-based soil screening levels. No parameters exceeded the appropriate screening levels in any sample. Specifically, neither lead, Pb-210, or Ra-226 were detected in any soil sample at concentrations that exceeded their human health risk-based and/or ecological risk based screening level.

The presence of radionuclides and lead in site soils is considered to be representative of background concentrations in southeast Ohio and not related to MED activities at the Dayton IV site during the Nation's early atomic energy program. Screening levels for Pb-210, Ra-226, and lead were not exceeded in any of the samples.

Based on the findings of this SI, USACE concludes that there is no evidence of an unpermitted release or a substantial threat of a release of the constituents of concern into the environment associated with the Nation's early atomic energy program which may present an imminent and substantial danger to the public health or welfare at the site, and no further action is required under FUSRAP.

1.0 INTRODUCTION

In 1942, President Roosevelt approved developing the atomic bomb and the Army assigned the program to the U.S. Army Corps of Engineers' (USACE) Manhattan Engineer District (MED). The task of the MED was to manage developing the technology and production facilities for the first atomic weapons. In January 1947, after the end of World War II, Congress transferred responsibility for the program from the MED to a new civilian agency, the U.S. Atomic Energy Commission (AEC).

In 1974, the AEC established the Formerly Utilized Sites Remedial Action Program (FUSRAP) to identify, investigate and remediate or control sites used during the early atomic energy program. In 1977, the program was transferred to the newly established U.S. Department of Energy (DOE).

In February 1999, the DOE determined the Dayton Unit IV site, located in the City of Oakwood, Ohio (Figure 1), was eligible for inclusion into FUSRAP (DOE, 1999). Under a March 1999 Memorandum of Understanding between the USACE and the DOE, once the DOE made this determination, responsibility for action was to be transferred to USACE. Under FUSRAP, the USACE's authority is limited by Congress to address only contamination associated with MED/AEC activities during the early atomic energy program.

The purpose of the SI at a potential FUSRAP site is to determine if there is an unpermitted release or threat of release, as those terms are defined in Section 101(22) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of an AEC-related hazardous substance at the site that may present an imminent and substantial danger to the public health or the environment. If the SI determines that there is a release or threat of release, other than one that is federally permitted or addressed by a legally enforceable license, permit, regulation or order issued pursuant to the Atomic Energy Act of 1954 or other Federal statute, and it may present an imminent and substantial danger to the public health or the environment, CERCLA authorizes a response action. If such circumstances are found, and other relevant criteria for site designation in ER 200-1-4 (USACE 2003) are met, the SI will recommend further action to address the release or threat of release.

SI activities at Dayton Unit IV included a radiological scoping survey and the collection and laboratory analysis of soil samples. This report presents the results of the scoping survey and soil sampling, including a comparison of analytical data to appropriate screening levels to evaluate if this site requires additional consideration under FUSRAP.

2.0 SITE DESCRIPTION

2.1 Site Location and Description

The Dayton Unit IV site, also know as the Runnymede Playhouse, is located at the intersection of Runnymede Road and Dixon Avenue in a residential neighborhood within the City of Oakwood, Montgomery County, Ohio (latitude 39 degrees, 43 minutes, 29.8 seconds; longitude 84 degrees, 10 minutes, 48.3 seconds). The site, formerly owned by the wealthy Talbott family and used for community and private recreational activities, is located approximately 2.5 miles south of the central business district of Dayton, Ohio (Figure 1).

As defined for the purpose of this project, the site includes the land between Runnymede Road and the limits of land taken by the United States government for Dayton Unit IV (Figure 2), as well as a 50-foot wide strip extending along Runnymede Road from the formerly fenced area to an existing storm drainage ditch (Figure 3). This 50-foot wide strip, approximately 500 feet long, includes a drainage swale that conveys surface water flow along Runnymede Road to the ditch. The total site area is approximately 2.5 acres, including 2.25 acres of former United States government property and 0.25 acres along the drainage swale. This area is presently occupied by private residential homes within the City of Oakwood. The site includes all or part of nine residential lots (see Figure 3 and site photographs in Appendix G).

Montgomery County climate is typical of the continental interior. Summers are moderately warm and humid, and winters are cold and cloudy (ODNR 1995). The National Oceanic and Atmospheric Administration (NOAA) precipitation data for the 30-year period from 1961 to 1990 averaged 38.82 inches per year at Dayton. May is typically the wettest month and January the driest month (ODNR 1995). All of Montgomery is within the Ohio River Drainage basin. The Great Miami River and its tributaries drain the majority of the county. Tributaries of the Little Miami River drain the southeast corner of the county (ODNR 1995).

2.2 Operational History and Waste Characteristics

In 1942, the Monsanto Chemical Company was tasked by the USACE's MED with responsibility for the development of radioactive polonium-210 (Po-210), which was necessary for construction of the atomic bomb. Monsanto's subsequent research, development and

production activities occurred at several sites in and around the City of Dayton, Ohio, and became known as the Dayton Project. In March 1944, the Unites States government acquired the Talbott property in Oakwood under the Emergency Powers Act. At that time, the Runnymede Playhouse building included an indoor tennis court, stage and balcony, squash courts, greenhouse, card rooms and lounge. Monsanto extensively altered the interior of the building for use as a laboratory and research/production facility (Shook and Williams, 1983). It was referred to as Unit IV of Monsanto's Central Research Department. The site was utilized by Monsanto until 1949, when the Mound Laboratories were completed in Miamisburg, Ohio. By that time, the main building had become so contaminated with radioactivity that decontamination was impossible; therefore, the building was demolished. Demolition began in February 1950 and was completed in the early summer, after which the site was returned to the USACE for disposition (Moyer et. al., 1956).

As part of the site demolition activities, all radioactive material was removed from the site and sent to either the Mound Laboratories or Oak Ridge, Tennessee. The cobblestones from the driveway were also shipped offsite, along with seven feet of earth taken from beneath the main building foundation (Shook and Williams, 1983). The foundation area was subsequently backfilled, graded and covered with sod. In the intervening years since 1950, the site has been landscaped and converted into residential homes. Also, a short residential cul-de-sac, Katharine Terrace, has been constructed within the northeast corner of the site.

Monsanto used the Dayton Unit IV site for the research, development, processing and production of polonium, and the storage of processing residues. Two processes were used to obtain Po-210. The first involved the extraction of Po-210 from lead dioxide wastes generated by the Port Hope radium refinery in Ontario, Canada. A total of 73,774 pounds of lead dioxide wastes were received and processed by the Dayton Project, with the first shipment arriving in November 1943. The second process, found superior to the lead dioxide process, involved the chemical separation of Po-210 from bricks and slugs containing irradiated bismuth-209. The bricks and slugs were irradiated via neutron bombardment at the Clinton Reactor in Oak Ridge, Tennessee, then shipped to the site for polonium separation using wet chemical (acid extraction) methods. Once the methods for irradiating bismuth and separating polonium from the irradiated bismuth had been developed, all polonium purified at the Dayton Project was prepared by this method (Moyer et. al., 1956).

2.3 Previous Investigation

This subsection summarizes previous investigation sampling and analytical data from Dayton Unit IV.

Radiological Scoping Survey. In May 1998, the Ohio Department of Health (ODH) performed a radiological scoping survey at the site. All accessible areas (i.e., those not presently occupied by residential buildings or overgrown with vegetation) were scanned using both dose rate and count rate detectors. Additional scanning was performed on several pieces of pipe that projected from the ground and are believed to be part of the former facility's fencing. Also, the storm swale and creek to the south of the facility were surveyed. None of the surveyed areas exceeded 1.5 times the recorded background measurements. On this basis, the ODH concluded that no areas of contamination were detected and no areas with elevated risk were identified by surface scanning techniques (OEPA, 1998).

Ohio Environmental Protection Agency Soil Screening Investigation. Stakeholders expressed concern that no known analytical soil sampling data were available for Dayton Unit IV (OEPA, 1998). Consequently, along with the radiological scoping survey, the Ohio EPA, ODH and DOE collected soil samples from 10 locations at the site, also in May of 1998. Six of these were surface sample locations (S1 through S6) and four were core sample locations (C1 through C4). A total of 20 soil samples were collected and analyzed for various radionuclides using both gamma and alpha spectroscopy methods. Of the six surface soil samples, one (S-5) indicated an elevated Po-210 concentration of 9 picocuries per gram (pCi/g). However, subsequent reanalysis of this sample indicated that the Po-210 level (0.57 pCi/g) was within expected background, i.e., less than 3 pCi/g (Nickel, 1999). No explanation was provided regarding the difference in analytical results. The core samples were analyzed at varying depths ranging from 1 foot to greater than 6 feet. The results indicated somewhat elevated Po-210 concentrations present in the soil samples taken at depths greater than 1 foot. The maximum concentration measured was 19 pCi/g at a depth of 2 feet in location C3; however, the field duplicate for this sample was 2.5 pCi/g. The other Po-210 results ranged from 1.4 pCi/g to 10 pCi/g at depths greater than 1 foot.

Preliminary Assessment. In 2000, the USACE conducted a PA of the Dayton Unit IV site (USACE, 2000). To better evaluate the potential risk to human health and the environment, the PA recommended conducting an SI at Dayton Unit IV to assess the type, quantity, and extent

of any radiological contaminants on site. The PA further recommended that specific Data Quality Objectives (DQOs) include screening for Pb-210, the parent radionuclide of Po-210. This DQO would substantiate the activity exhibited by Pb-210, the potential source of polonium, and model this activity to assess the potential risk to the public.

2.4 Potential Constituents of Concern

As stated in Section 2.2, the Dayton Unit IV site was used by the Monsanto Chemical Company for the production and processing of Po-210 using two methods: 1) extraction from lead dioxide wastes; and 2) chemical separation from bricks and slugs containing irradiated bismuth. Potential constituents of concern at the site include Po-210, Pb-210, and total lead. However, because Po-210 has a relatively short half-life (138 days), there could not be any MED-related Po-210 at the site that is not in equilibrium with its longer-lived parents such as Pb-210 (half-life of 22 years). Radium-226 (Ra-226) is also included because it is a long-lived isotope (half-life of 1,600 years) preceding Po-210 in the decay chain and may have been present in materials processed in the Dayton area and elsewhere to recover Po-210. There is, however, no known evidence that Ra-226 was released at the site due to MED activities.

2.5 Soil Exposure and Air Pathways

As stated in Section 2.2, the Runnymede Playhouse was demolished and removed off site along with seven feet of the underlying soil. The site where polonium processing occurred has been subdivided and is now part of seven residential properties (See Figure 3). Soil and air targets are the occupants of this residential area.

OEPA's 1998 radiological scoping survey did not indicate any areas of contamination on site, but several soil samples had Po-210 activities above background levels. Consequently, potential exposure to radionuclides could occur via direct contact, ingestion, and inhalation if soils are disturbed.

2.6 Surface Water Pathway

The site slopes southwest toward Houk Stream, which enters the Great Miami River about one mile from the site. Stormwater runoff from the site discharges to Houk Stream from a storm sewer and drainage swale. Soil disturbance could result in the potential migration of contaminants in stormwater runoff to the Great Miami River where they could enter the food chain.

2.7 Groundwater Pathway

The residents of this area are supplied drinking water by the City of Oakwood Water Authority. The distance to the nearest well field is about 0.6 miles from the site.

Dayton Unit IV is located in an area of glacial till with interbedded sand and gravel layers. The till is primarily clay with varying amounts of unsorted silt, sand, and gravel. Groundwater occurs in both the till and the sand and gravel layers, but the sand and gravel layers are the principal aquifer. Recharge to groundwater, which is between 30 and 50 feet below ground surface in the region, occurs primarily by infiltration through the glacial till.

Given the clayey till soils and the depth to groundwater, the potential for migration of site contaminants through the soils to groundwater is low. The groundwater pathway is likely not a complete pathway.

3.0 FIELD INVESTIGATION PROCEDURES

The SI field investigation activities included a radiological scoping survey followed by a soil boring/sampling program. The radiological scoping survey was performed from July 29 through August 1, 2002, and on September 12, 2002. The purpose of the scoping survey was to evaluate areas formerly occupied by the MED for possible locations with elevated gamma radiation and (if found) to assist in the selection of biased soil sample locations. The scoping survey results were used solely as a screening tool, and are not used for comparison with screening levels.

The soil boring/sampling program was performed from August 19 through August 22, 2002, and on September 25, 2002. Soil samples were collected from unbiased locations over the site, and from biased locations based on results of the radiological scoping survey, previous sample results, or any other evidence of contamination encountered during completion of the soil borings. Soil sample analytical results were compared to published human health risk-based screening levels and/or ecological risk-based screening levels. Field investigation procedures are described in the following sections.

3.1 Radiological Scoping Survey

The radiological scoping survey was performed to measure levels of gross gamma radioactivity in the site soil. The scoping survey consisted of collecting geographical coordinates using a Trimble global positioning system (GPS) Pathfinder Pro-XRS and corresponding gamma radiation readings using a Ludlum Model 2221 ratemeter/scaler coupled with a 3-inch by 3-inch Bichron Model 3M3/3 sodium iodide (NaI) probe. The survey was performed over the unoccupied areas of site as shown in Figure 4.

The GPS unit and Ludlum equipment were temporarily mounted to a jogging stroller in order to maintain consistent GPS antenna height (approximately 4.5 feet) and NaI probe height (approximately one-foot) above the ground surface. The effective capture area of the probe at a one-foot height above the ground surface was approximately 4 feet in diameter. The stroller was pushed at a rate of approximately 1.5 feet per second along north-south oriented lines set at 3-foot intervals. The GPS unit collected data at one-second intervals and the Ludlum 2221 collected data every two seconds. Due to dense tree cover and the presence of residential homes, GPS

could not be used in some instances. In such cases, real-time gamma data were transferred from the ratemeter to a laptop computer via a hyper terminal connection while the health physicist paid attention to the audible signal that would indicate any increase in count rate.

Due to a recording error (most likely a faulty cable), the positional coordinates from the GPS unit for land parcel #31 (see Figure 4) were not recorded. This error was discovered on the same day, and parcel #31 was re-surveyed using the GPS unit the next day. The positional data were then added to the gamma readings and the survey was completed (See Section 3.3 for further detail).

Daily background gamma radiation readings were established at an onsite grass-covered area in the southern portion of the site, away from the former MED process areas and buildings. Any gamma reading in the former processing area that was twice the established average background value required further investigation via biased soil sampling.

Data were transferred from the Pathfinder Pro-XRS to a laptop computer. The data files were processed on a daily basis. The gamma readings were overlain on a site orthophotograph to ensure full coverage of the unoccupied areas within the study area. It should be noted that the small portions located along the northern boundaries of Parcels #28 and 29 could not be surveyed due to dense shrub cover. Radiological scoping survey results are described in Section 4.1.

3.2 Soil Sample Collection and Analysis

A total of 37 environmental and quality assurance/quality control (QA/QC) samples were collected (see Table 1). Samples were collected from 27 soil borings, 23 samples from unbiased locations (SB-01 through SB-23), and samples from four biased locations previously sampled by OEPA (C-1, C-3, C-4, and S-5) . The remaining ten samples consisted of various QA/QC samples, including two blind field duplicates, two matrix spikes (MS), two matrix spike duplicates (MSD), two matrix duplicates, and two split samples.

Each of the soil samples were sent to Severn Trent Laboratory (St. Louis, Missouri) for the following analyses:

- Total lead by USEPA Method SW6010B, and

- Radium-226 and Lead-210 by Gamma Spectroscopy (DOE EML HASL 300 Series)

Soil borings were advanced with a truck-mounted Geoprobe direct push drill rig using a dual-tube penetration system. Each of the twenty-seven soil borings were advanced to 8 feet below ground surface (bgs). At each Geoprobe boring location, two core samples were retrieved with a 4-foot long by 2-inch outer diameter macro-core sampler equipped with a dedicated, disposable vinyl acetate liner. The soil cores were screened for gamma radiation using a Ludlum Model 2221 ratemeter/scaler coupled with a 3-inch by 3-inch Bicron Model 3M3/3 NaI probe. Because field screening did not indicate significantly elevated gamma radiation readings when compared to background at any of the depth intervals within the borings, soil samples were collected at depth intervals selected randomly prior to the field investigation using a computer-based random number generator. The samples were collected after compositing in stainless steel sampling bowls. Soil cores were classified on site using the Unified Soil Classification System (USCS), as indicted on the soil boring logs presented in Appendix A. Field sampling reports for samples collected are presented in Appendix B.

3.3 Deviations from Sampling and Analysis Plan

The following represent deviations from the approved *Site Inspection Sampling and Analysis Plan* (SAP) (USACE, 2002):

- The detector used in the radiological scoping survey was to have been a Ludlum Model 44-10, 2-inch by 2-inch NaI detector. A Bicron Model 3M3/3 3-inch by 3-inch NaI detector was actually used because the Ludlum detector was not available. Comparable results would be achieved using either detector.

- Due to extremely dense vegetation a small northern portion of parcels #28 and #29 (see Figure 4) could not be completely surveyed during the radiological scoping survey.

- Due to technical difficulties at Parcel #31, gamma readings were logged electronically without GPS coordinates. The following day, GPS coordinates were collected from the survey "start point", which was the street sign for Runnymede

Road and Katherine Terrace. These coordinates were assigned to the initial gamma readings collected the previous day. Once the "start point" GPS coordinates were correlated to the initial gamma readings, and knowing the approximate rate of the survey (approximately 1.5 feet per second) and orientation of the survey grid (north-south), the gamma readings were assigned assumed GPS coordinates to verify site coverage.

4.0 DATA SUMMARY

Data gathered during the SI field activities include GPS coordinate data coupled with gamma radiation readings from the radiological scoping survey, and laboratory analytical results from soil samples.

4.1 Radiological Scoping Data

The radiological scoping survey was performed over the unoccupied areas of the site except for small portions of parcels 28 and 29 because of dense vegetation (see Figure 4). Daily background radiation readings were measured from an onsite grass-covered area, outside of the study area. The average background count rate for this survey was determined to be approximately 24,987 counts per minute (cpm).

A total of 21,053 gamma readings were collected. The average gamma radiation reading was 19,635 cpm. The maximum reading was 30,715 cpm. None of the gamma readings exceeded twice the average background count rate; therefore, no additional biased soil samples were selected based on the results of this survey.

The radiological scoping survey coverage area, along with the average, maximum, and minimum gamma readings are shown in Figure 4. The results report and raw data are presented in Appendix C.

4.2 Soil Analytical Data

The soil analytical data were reviewed/validated following the general guidelines in the United States Environmental Protection Agency (USEPA) CLP National Functional Guidelines for Inorganic Data Review, EPA540/R-94/013, February 1994; Science Applications International Corporation (SAIC), Laboratory Data Validation Guidelines for Evaluating Radionuclide Analyses, Document No. 143-ARCS-00.08, Revision 06, June 2000; and USACE reporting requirements, in accordance with the project approved SAP (USACE 2002). All samples were reviewed for evaluation of data completeness, verification of chain-of-custody

forms for correctness, review of holding time criteria, and assessment of QC blanks for contamination. Additionally, a higher level of review (i.e., data validation) was performed on 10 percent of the environmental and QC samples collected during this investigation. The internal data validation included verification of instrument calibration, assessment of laboratory precision and accuracy based upon duplicates and spike results, adherence to method specifications, and assessment of matrix interference. Based upon this data review and validation, the analytical data were found to be usable and sufficiently sensitive for comparison with human health and ecological screening values established for the site.

The soil analytical results for all analyzed parameters and the results of the data review/validation are presented in Appendix D - Quality Control Summary Report (QCSR). Gamma spectroscopy analysis of soil samples identified a number of other radionuclides in addition to Pb-210 and Ra-226, the radionuclides of concern for this site. Appendix D lists the activities of all radionuclides detected in the soil samples, but only the potential constituents of concern, Pb-210 and Ra-226, are evaluated further as part of the SI.

5.0 EVALUATION OF SCREENING LEVELS

5.1 Soil Constituents

In order to apply the general approach and decision logic described in the Work Plans developed for this SI, it was first necessary to develop soil screening levels for lead, Pb-210, and Ra-226 detected in onsite soil samples. Screening levels have been developed in the following manner:

- Initial screening levels (Section 5.1.1) were used during the development of project work plans as a means of evaluating the required sensitivity of laboratory analytical methods. The initial values selected were USEPA Region IX Preliminary Remediation Goals (PRGs) (residential) for lead and NUREG/CR-5512 values for Pb-210 and Ra-226 (residential, from Table 6.91, $P_{crit} = 0.10$).

- Final screening levels based on potential human health risk were selected following the procedures described in Section 5.1.2.

- Screening levels based on potential ecological risk have been tabulated following the procedures described in Section 5.1.3.

Determining soil screening levels is based on a direct exposure pathway to soil constituents of potential concern by human and ecological receptors. The screening levels developed in this manner have been used in the formal evaluation process.

Table 3 summarizes the development of risk-based soil screening levels for lead and the radiological parameters lead-210 and radium-226 that were detected in one or more of the soil samples from Dayton Unit IV (see Appendix D). Although other non-MED radionuclides were detected in some of the samples, they were not included in screening level development process. Detected non-MED radionuclides are reported in Appendix D.

During the development of work plans for this SI, it was decided that background concentrations would be based upon previous studies in the region, rather than site-specific sampling. The USACE and Ohio EPA agreed upon this decision. The two specific studies considered for this purpose are: (1) U.S. Department of Energy, Albuquerque Operations Office, September 1994, *Operable Unit 9, Background Soils Investigation, Soil Chemistry Report, Mound Plant, Miamisburg, Ohio*; and (2) U.S. Department of Energy, May 2001, *Addendum to the CERCLA/RCRA Background Soil Study, Fernald Environmental Management Project, Fernald, Ohio*. These two studies were selected because they are comprehensive, developed for purposes similar to this SI, and because the Mound and Fernald sites are, like Dayton Unit IV, located in southwest Ohio. The background concentrations of radionuclides and lead from these two studies are summarized in Table 2. The assumed project background concentration for the Dayton Unit IV site is the lower of these two values. It should be noted that for both Ra-226 and Pb-210, the two specific radionuclides of potential concern at Dayton Unit IV, the project background concentration, based upon the Fernald study, is 1.56 picocuries per gram (pCi/g).

5.1.1 Initial Screening Levels

During the development of work plans for this SI, preliminary soil screening levels were identified. These preliminary screening levels were used to evaluate at the planning stage whether the analytical methods used for the analysis of soil samples would be sensitive enough to detect contamination at the concentration levels with which they would subsequently be compared.

For lead, USEPA Region IX Preliminary Remediation Goals (PRGs) for residential soils were used. The PRGs were developed by USEPA for the purpose of screening contamination in soil and thereby evaluating the need for further investigation under CERCLA. The residential (versus industrial) criteria were used in order to make conservative decisions regarding contamination.

For Pb-210 and Ra-226, the U.S. Nuclear Regulatory Commission's Draft (October 1999) *Residual Radioactive Contamination from Decommissioning,, Parameter Analysis*

(NUREG / CR-5512, Volume 3, Table 6.91, P_{crit} = 0.10) were used. The screening levels used assume a conservative residential scenario. The values are for residual radioactivity above background levels and correspond to a 25 mrem/year dose.

5.1.2 Screening Levels Based on Potential Human Health Risk

The human health risk-based soil screening levels used for this study are not based upon project-specific risk calculations. Rather, they have been selected by considering the appropriateness of existing, published screening levels. As part of this evaluation, a risk assessor visited the site to identify site features that could affect the selection of screening levels. The end result of this process, which is presented as Appendix E, are screening levels based on human health risk for Pb-210, and Ra-226, and lead.

The most appropriate values for the purpose of this SI are considered to be the USEPA Region IX PRG for lead and the values from NUREG/CR-5512 for radionuclides. They are conservative, since they are based upon an assumption of unrestricted future residential site use. These values, which are the same as the initial values discussed in the preceding section, are listed in Table 3 as the "Human Health Criteria."

The screening levels for Pb-210 and Ra-226 listed in Table 3 that will be compared to the measured activities in soil samples are equal to the human health criteria from NUREG/CR-5512 plus background. This is done to account for naturally occurring Pb-210 and Ra-226 activities in the soil that are not included in developing the NUREG/CR-5512 radionuclide values. There is no corresponding adjustment for metals; for lead, the selected human health criterion and the screening level are the same.

5.1.3 Screening Levels Based on Potential Ecological Risk

Appendix F describes a screening level ecological risk assessment for the Dayton Unit IV site. This assessment was performed in accordance with Steps 1 and 2 of the USEPA guidance, *Ecological Risk Assessment Guidance for Superfund (ERAGS): Process for Designing and Conducting Ecological Risk Assessments*, Interim Final (USEPA, 1997). As part of the

ecological risk assessment, an ecological risk specialist visited the site and conducted a literature review to identify resident biota and potential ecological receptors. The end result of the ecological risk assessment is a tabulation of ecological screening values (ESVs) for lead, Pb-210 and Ra-226.

As discussed in Appendix F, soil ESVs for lead and radionuclides were compiled from a variety of sources including work conducted by Oak Ridge National Laboratory, the USEPA, the U.S. DOE, Environment Canada, and the Dutch Ministry. The ESVs adopted from these sources address several different species of organisms including: plants, soil invertebrates, mammalian herbivores, mid-level predators, and mid-level avian predators. Ranges of ESVs were established for lead using these sources and species, and the median values were adopted for this SI. ESVs developed by the U.S. DOE were used for radionuclides. The ESVs used in this SI are presented on Table 3 in the column labeled "Ecological Risk - Based Screening Levels" for lead and radionuclide parameters for which ecotoxicity information was available.

5.1.4 Application of Screening Levels

Analytical results for shallow soil samples (i.e., from zero to four-foot depth) were compared to both the human health and ecological screening levels shown in Table 3. Analytical results for samples at average depths greater than four feet and for samples taken below paved areas were only compared to human health risk-based screening levels. These soils do not represent a viable habitat and were not included in the screening level ecological risk assessment.

6.0 SAMPLING RESULTS

A total of 27 environmental soil samples were collected and analyzed for total lead, Pb-210 and Ra-226 (see Table 1). These 27 samples include:

- Twenty-three unbiased soil samples (SB-01 through SB-23) collected from locations throughout the study area (Figure 5). The sample depth at each location was randomly selected over the depth range from the ground surface to the bottom of boring (approximately 8 feet bgs).

- Four biased samples from four boring locations (C1, C3, C4, and S5) in areas that were previously sampled in May 1998 by the Ohio EPA, ODH and the DOE. The sample depth at each location was randomly selected over the depth range from the ground surface to the bottom of boring (approximately 8 feet bgs).

In addition to the 27 environmental samples, ten QA/QC samples were collected and analyzed, including two blind field duplicates (from SB-11 and SB-19), two matrix spikes, two matrix spike duplicates, two matrix duplicates, and two split samples.

Appendix D includes a full list of analytical results, presented as part of the data review and validation. The tables in the remainder of this chapter are a subset of the full analytical results, indicating only those parameters detected in one or more of the environmental samples or field duplicates. Table 4 is a summary of radionuclides and lead detected in shallow soil samples (0 to 4 feet) compared to the screening levels on a sample by sample basis. Table 5 is a summary of radionuclides and lead detected in deep soil samples (> 4 feet) and samples below paved areas compared to the screening levels on a sample by sample basis.

Note that on Tables 4 and 5 samples are denoted by their full identification codes, e.g., D4-SB-03U/1-5. The first symbol in this code (D4) refers to the site location (Dayton Unit IV). The second symbol (SB-03) is the sample location (see Figure 5). The third symbol (U) indicates the whether the sample was biased (B) or unbiased (U). The final symbol, following the slash mark, indicates the depth range (in feet) from which the sample was collected. Field duplicates are denoted by "DUP" following the depth range.

The following subsections compare soil concentrations with risk-based criteria.

6.1 Radionuclides

There were no exceedances of the screening levels for Pb-210 or for Ra-226 in any soil sample. The detected activity of Pb-210 in the soil samples ranged from 0.60 to 2.03 pCi/g and for Ra-226 the detected activity ranged from 0.36 to 1.40 pCi/g. The maximum values detected were less than the background-adjusted soil screening levels for Pb-210 (2.406 pCi/g) and Ra-226 (2.254 pCi/g). Pb-210 activities in one shallow sample and two deep samples slightly exceeded the background level. Ra-226 activities in the samples were all less than background.

6.2 Lead

There were no exceedances of the screening level for lead in any soil sample. The detected concentrations of lead in the shallow soil samples (0 to 4 feet) ranged from 3.1 mg/kg to 60.1 mg/kg. Lead concentrations in three shallow soil samples were greater than the background level, but the same order of magnitude. The detected concentrations of lead in deep soil samples (> 4 feet) and those below paved areas ranged from 2.5 mg/kg to 101 mg/kg. All of the deep soil samples except one had lead concentrations less than the background level.

7.0 SUMMARY

From 1942 to 1949, the Monsanto Chemical Corporation was involved with research, development, and production of polonium-210 at several sites in Dayton, Ohio. This work, which became known as the Dayton Project, was associated with the USACE Manhattan Engineer District's early atomic bomb development. Monsanto used the Dayton Unit IV site for the research, development, processing and production of polonium, and the storage of processing residues. Two processes were used to obtain Po-210. The first involved the extraction of Po-210 from lead dioxide wastes generated by the Port Hope radium refinery in Ontario, Canada. The second process, found superior to the lead dioxide process, involved the chemical separation of Po-210 from bricks and slugs containing irradiated bismuth-209. The Dayton Unit IV site was utilized by Monsanto until 1949, when the Mound Laboratories were completed in Miamisburg, Ohio.

Ra-226 and Pb-210 were investigated at this site due to their relationship as long-lived isotopes preceding Po-210 in the decay chain. Pb-210 was likely present and Ra-226 may have been present in materials processed in the Dayton area and elsewhere to recover Po-210. If environmental contamination had occurred as a result of MED activities, then, because of its short half-life (138 days), Po-210 released at that time will not be present on site, while Ra-226 (half-life of 1,600 years) and Pb-210 (half-life of 22 years) released at that time could still be present.

The presence of radionuclides and lead in site soils is considered to be representative of background concentrations in southeast Ohio and not related to MED activities at the Dayton IV site during the Nation's early atomic energy program. Screening levels for Pb-210, Ra-226, and lead were not exceeded in any of the samples.

Based on the findings of this SI, USACE concludes that there is no evidence of an unpermitted release or a substantial threat of a release of the constituents of concern into the environment associated with the Nation's early atomic energy program which may present an imminent and substantial danger to the public health or welfare at the site, and no further action is required under FUSRAP.

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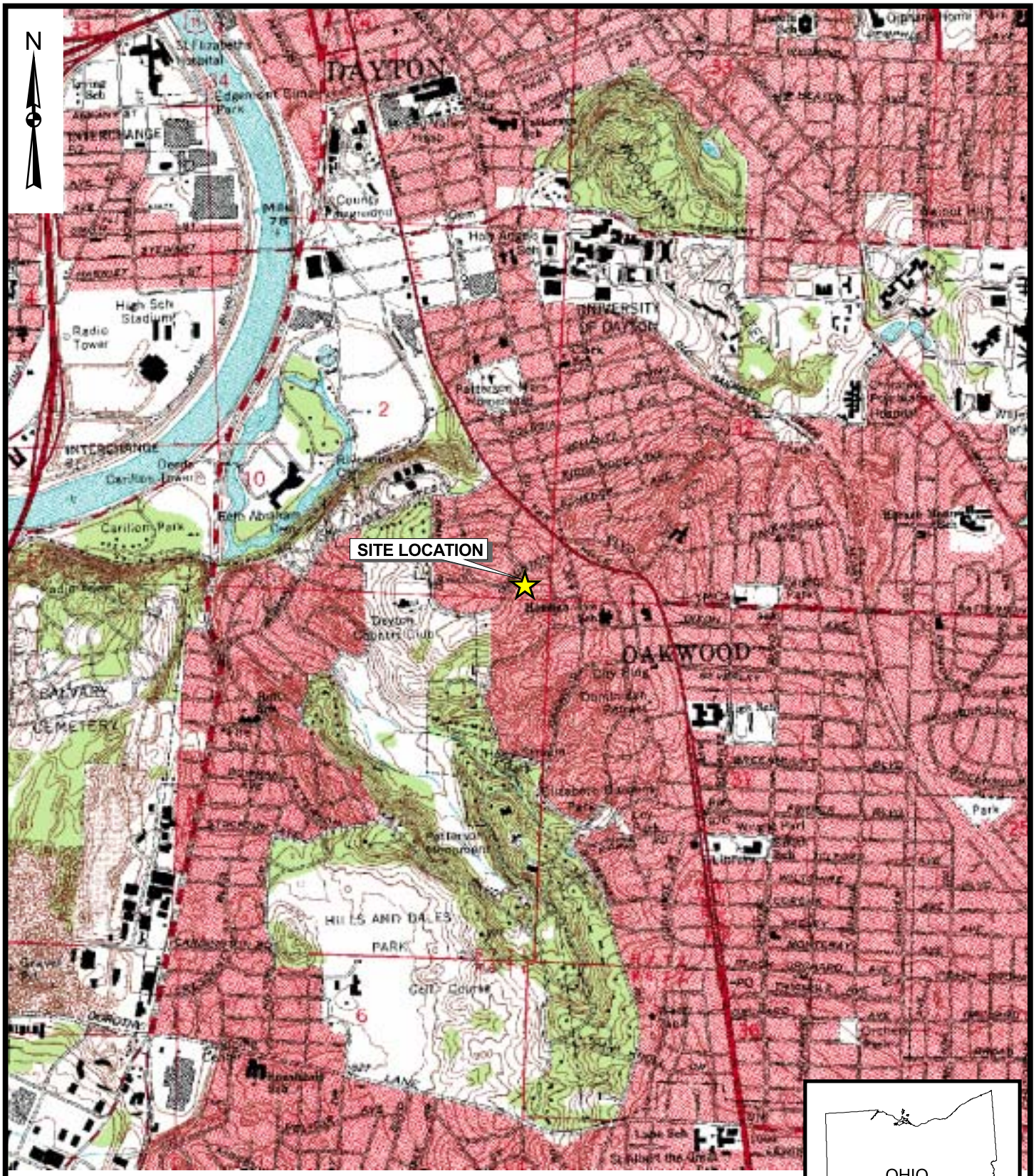
FIGURES



Source: 7.5 " x 7.5" USGS Quads
Dayton North, OH - 1981
Dayton South, OH - 1981

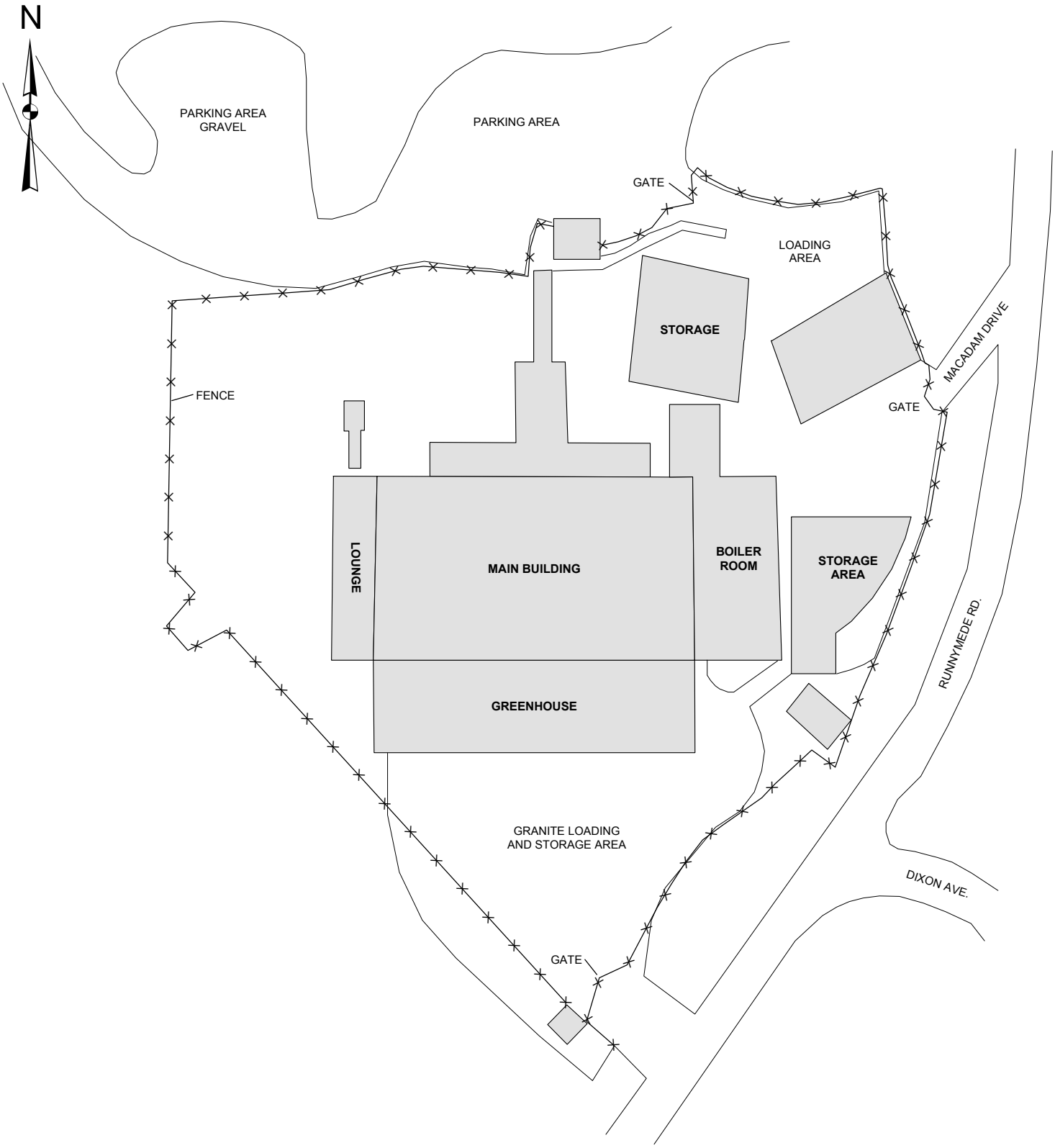
2000 0 2000 Feet

URS

DAYTON UNIT IV - RUNNYMEDE PLAYHOUSE
SITE LOCATION

FIGURE 1

N:\11171422.00000\GIS\unit4.apr SITE LOCATION MAP
6/18/2003



NOTES:
1) Building locations and dimensions are approximate.
2) Drawing is not to scale

DRAWING NOT TO SCALE

URS	DAYTON UNIT IV - RUNNYMEDE PLAYHOUSE SITE PLAN - JULY 1947	FIGURE 2

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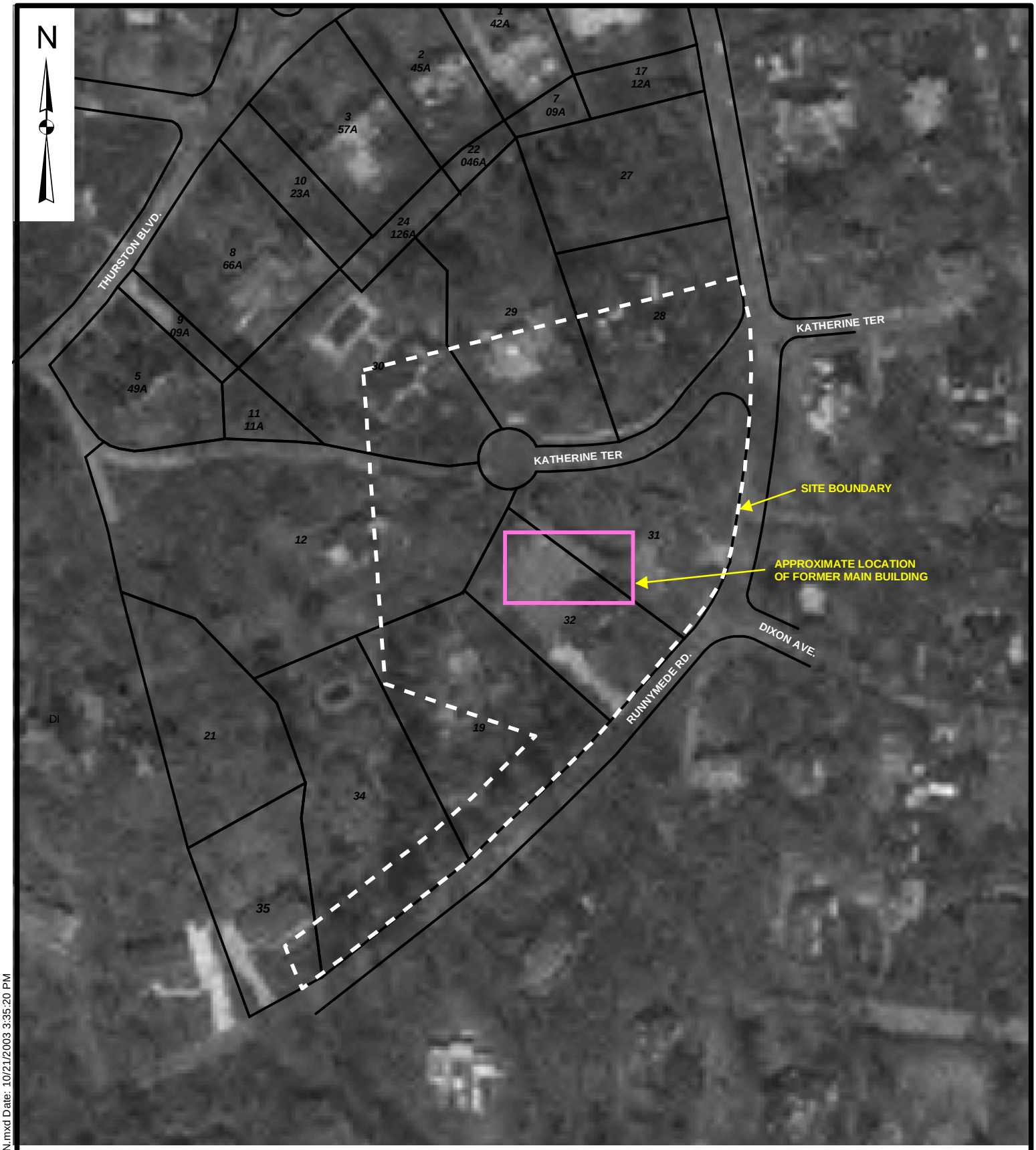

REFERENCE:
1) Ohio Geo Data GIS Support Center; www.geodata.state.oh.us
2) Runnymede Site Real Estate Map - undated.

0 75 150 300 Feet

URS

DAYTON UNIT IV - RUNNYMEDE PLAYHOUSE
SITE PLAN

FIGURE 3

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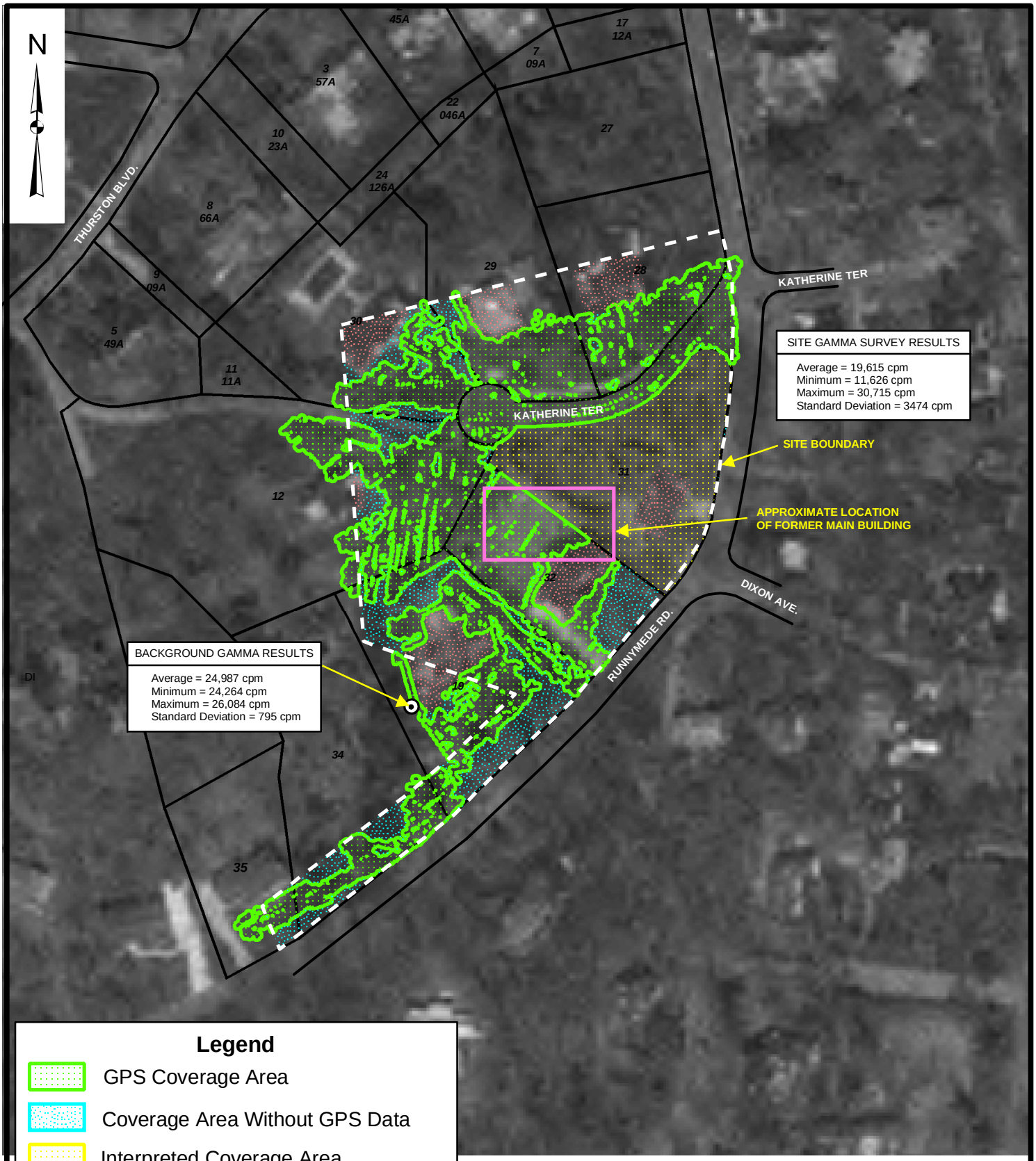

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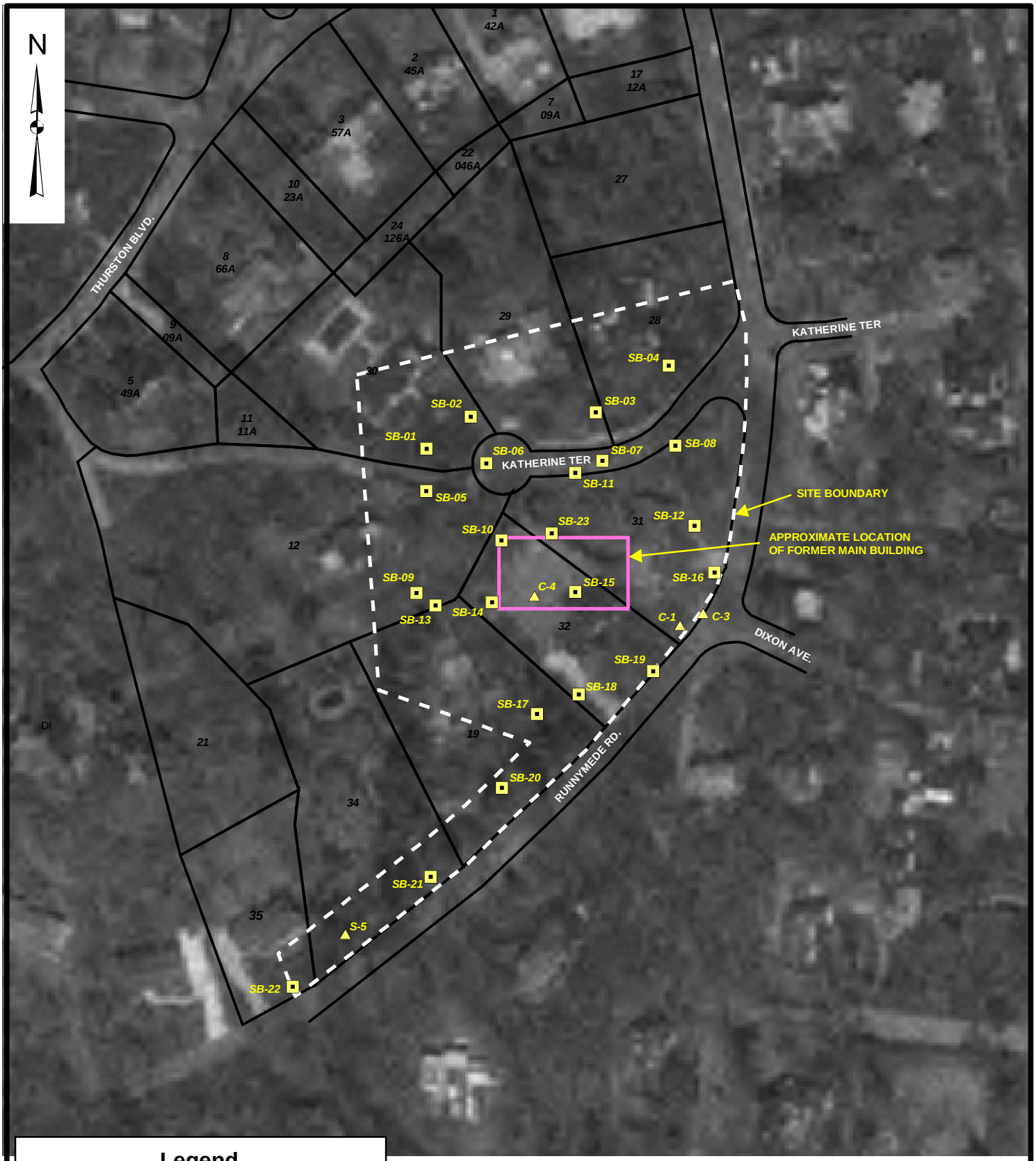
DAYTON UNIT IV - RUNNYMEDE PLAYHOUSE
RADIOLOGICAL SCOPING SURVEY BOUNDARIES
AND RESULTS

FIGURE 4



Legend

- Unbaised Soil Sample Location
- Baised Soil Sample Location

0 75 150 300 Feet

URS

DAYTON UNIT IV - RUNNYMEDE PLAYHOUSE
SOIL BORING AND SAMPLE LOCATIONS

FIGURE 5

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TABLES

TABLE 1
SOIL SAMPLE SUMMARY [1]

Sample Type	Sample Location		Depth (feet)	QA/QC Samples				Location
	Type	Location I.D.		QA Split [2]	MS/ MSD	MD	Blind Dup	
Geoprobe Soil	Unbiased	SB-01	4 - 8					Parcel #30
		SB-02	1 - 5					Parcel #30
		SB-03	1 - 5					Parcel #28
		SB-04	0 - 4					Parcel #29
		SB-05	4 - 8					Parcel #12
		SB-06	3 - 7	•				Katherine Terrace below pavement
		SB-07	3 - 7					Katherine Terrace below pavement
		SB-08	1 - 5					Katherine Terrace below pavement
		SB-09	3 - 7					Parcel #12
		SB-10	3 - 7					Parcel #32
		SB-11	4 - 8				•	Parcel #31
		SB-12	0 - 4		•	•		Parcel #31
		SB-13	0 - 4					Parcel #12
		SB-14	0 - 4					Parcel #32
		SB-15	0 - 4					Parcel #32
		SB-16 [3]	0 - 4		•	•		Parcel #31
		SB-17 [3]	1 - 5	•				Parcel #19
		SB-18	0 - 4					Parcel #32
		SB-19 [3]	4 - 8				•	Parcel #32
		SB-20 [3]	0 - 4					Parcel #19
		SB-21	0 - 4					Parcel #34
		SB-22	0 - 4					Parcel #35
		SB-23	3 - 7					Parcel #31
	Biased	C-1 [3]	0 - 3					Parcel #31
		C-3	3 - 7					Parcel #31
		C-4	1 - 5					Parcel #32
		S-5 [3]	0 - 4					Parcel #34

Notes:

1. All samples analyzed for Total Lead, and Gamma Spectroscopy
2. Sample split with USACE
3. Sample split with OEPA for Alpha Spectroscopy

QA/QC: Quality Assurance/Quality Control
DUP: Duplicate
MS/MSD: Matrix Spike/Matrix Spike Duplicate: Total Lead
MD: Matrix Duplicate: Gamma Spectroscopy

TABLE 2
BACKGROUND VALUES FOR RADIONUCLIDES AND METALS

Parameter	Units	Mound Background (1)	Fernald Background (2)	Assumed Project Background (3)
Radium-226	pCi/g	2.0	1.56	1.56
Lead-210	pCi/g		1.56	1.56
Lead	mg/kg	48	30.6	30.6

Notes:

(1) Mound background equals 95% Upper Tolerance Limit
(2) Fernald background equals 95th Percentile Value of the sample set
(3) Assumed project background equals lower of Mound/Fernald values
- Unlisted values were not analyzed

TABLE 3
RISK-BASED SOIL SCREENING LEVELS

Class	Parameter	Units	Background (1)	Human Health Risk-Based		Ecological Risk-Based Screening Levels (4)
				Criteria (2)	Screening Levels (3)	
Metals	Lead	mg/kg	30.6	400	400	70
Radionuclides	Lead 210	pCi/g	1.56	0.846	2.406	50
Radionuclides	Radium 226	pCi/g	1.56	0.694	2.254	50

Notes:

1. See Table 2, based on background data from Mound and Fernald Studies
2. Refer to Section 5.1.2 for explanation and Appendix E for derivation
3. For radionuclides only, the screening level equals Human Risk Criterion plus Background
4. Refer to Section 5.1.3 for explanation and Appendix F for derivation. Screening levels (only applied to soil samples with an average depth less than 4 feet deep).

TABLE 4
SHALLOW SOIL SAMPLES
RADIONUCLIDE ACTIVITIES AND TOTAL LEAD CONCENTRATIONS COMPARED TO SCREENING LEVELS
DAYTON UNIT IV

Location ID					C-1	C-4	S-5	SB-02	SB-03	SB-04
Sample ID					D4-SB-C1B/0-3	D4-SB-C4B/1-5	D4-SB-S5B/0-4	D4-SB-02U/1-5	D4-SB-03U/1-5	D4-SB-04U/0-4
Depth Interval (feet)					0.0 - 3.0	1.0-5.0	0.0 - 4.0	1.0 - 5.0	1.0 - 5.0	0.0 - 4.0
Parameter	Units	Background	Human Health Screening Level	Ecological Screeing Level						
Metals	mg/kg									
Lead		30.6	400	70	60.1 J	18.3 J	41.6 J	3.1 J	18.0 J	18.5
Radionuclides										
Lead - 210	pCi/g	1.56	2.406	50	1.84 J	0.91 J	1.36 J	0.67 J	1.20 J	1.07 J
Radium - 226	pCi/g	1.56	2.254	50	1.31	0.715 J	1.11	0.422 J	1.22	1.23

Location ID					SB-12	SB-13	SB-14	SB-15	SB-16	SB-17
Sample ID					D4-SB-12U/0-4	D4-SB-13U/0-4	D4-SB-14U/0-4	D4-SB-15U/0-4	D4-SB-16U/0-4	D4-SB-17U/1-5
Depth Interval (ft)					0.0 - 4.0	0.0 - 4.0	0.0 - 4.0	0.0 - 4.0	0.0 - 4.0	1.0 - 5..0
Parameter	Units	Background	Human Health Screening Level	Ecological Screeing Level						
Metals	mg/kg									
Lead		30.6	400	70	26.9 J	11.3 J	19.4 J	4.4 J\	19.5 J	46.0 J
Radionuclides										
Lead - 210	pCi/g	1.56	2.406	50	1.15 J	0.85 J	1.47 J	0.69 J	0.95 J	1.32 J
Radium - 226	pCi/g	1.56	2.254	50	0.693 J	0.89 J	1.4	0.456 J	0.82 J	1.35

Location ID					SB-18	SB-20	SB-21	SB-22
Sample ID					D4-SB-18U/0-4	D4-SB-20U/0-4	D4-SB-21U/0-4	D4-SB-22U/0-4
Depth Interval (ft)					0.0-4.0	0.0 - 4.0	0.0 - 4.0	0.0 - 4.0
Parameter	Units	Background	Human Health Screening Level	Ecological Screeing Level				
Metals	mg/kg							
Lead		30.6	400	70	10.6 J	12.7 J	18.1 J	12.6 J
Radionuclides								
Lead - 210	pCi/g	1.56	2.406	50	0.96 J	1.36 J	1.20 J	1.18 J
Radium - 226	pCi/g	1.56	2.254	50	1.05	1.38	1.34	0.84 J

46	Concentration/activity exceeds background
75	Concentration/activity exceeds ecological screening level
2.6	Concentration/activity exceeds human health screening level

Only detected results are reported. See Appendix D for results of all samples.

J - Analyte was positively identified, the associated numerical value is the approximate detection of the analyte in the sample

Note: screening levels are defined on table 3

TABLE 5
DEEP SOIL SAMPLES AND SAMPLES BELOW PAVEMENT
RADIONUCLIDE ACTIVITIES AND TOTAL LEAD CONCENTRATIONS COMPARED TO SCREENING LEVELS
DAYTON UNIT IV

Location ID					C-3	SB-01	SB-05	SB-06	SB-07	SB-08	SB-09
Sample ID					D4-SB-C3B/3-7	D4-SB-01U/4-8	D4-SB-05U/4-8	D4-SB-06U/3-7	D4-SB-07U/3-7	D4-SB-08U/1-5	D4-SB-09U/3-7
Depth Interval (ft)					3.0 - 7.0	4.0-8.0	4.0 - 8.0	3.0 - 7.0	3.0 - 7.0	1.0-5.0	3.0 - 7.0
Parameter	Units	Background	Human Health Screening Level	Ecological Screeing Level							
Metals	mg/kg										
Lead		30.6	400	NA	12.0 J	3.0 J	2.5 J	3.5 J	101 J	6.0 J	14.1 J
Radionuclides											
Lead - 210	pCi/g	1.56	2.406	NA	1.42 J	0.82 J	0.60 J	0.73 J	0.97 J	0.84 J	0.92 J
Radium - 226	pCi/g	1.56	2.254	NA	1.2	0.683 J	0.364 J	0.627 J	0.87 J	0.79 J	0.85 J

Location ID					SB-10	SB-11	SB-11	SB-19	SB-19	SB-23
Sample ID					D4-SB-10U/3-7	D4-SB-11U/4-8	D4-BDO/4-8	D4-SB-19U/4-8	D4-BD 2	D4-SB-23U/3-7
Depth Interval (ft)					3.0-7.0	4.0-8.0	4.0-8.0	4.0 - 8.0	4.0 - 8.0	3.0-7.0
Parameter	Units	Background	Human Health Screening Level	Ecological Screeing Level			Field Duplicate (1-1)			
Metals	mg/kg									
Lead		30.6	400	NA	7.0 J	20.9 J	18.6 J	16.9 J	19.0 J	4.4 J
Radionuclides										
Lead - 210	pCi/g	1.56	2.406	NA	0.80 J	1.02 J	1.15 J	2.03 J	1.67 J	0.55 J
Radium - 226	pCi/g	1.56	2.254	NA	0.710 J	1.06	0.96 J	1.37	1.24	0.580 J

46	Concentration/activity exceeds background
2.6	Concentration/activity exceeds human health screening level

Only detected results are reported. See Appendix D for results of all samples.

J - Analyte was positively identified, the associated numerical value is the approximate detection of the analyte in the sample

NA - Not applicable to ecological screen due to depth interval of sample or because sample was taken below pavement.

Note: screening levels are defined in Table 3

APPENDIX A

SOIL BORING LOGS

GEOPROBE BORING COORDINATES
DAYTON UNIT IV
RUNNYMEDE PLAYHOUSE

Location ID	Type	Northing	Easting	Ground Elelvation (ft)
C-1	Borehole	632579.868	1496127.51	NA
C-3	Borehole	632593.544	1496153.545	NA
C-4	Borehole	632612.824	1495963.296	NA
S-5	Borehole	632231.044	1495749.634	NA
SB-01	Borehole	632779.462	1495841.833	NA
SB-02	Borehole	632815.27	1495891.377	NA
SB-03	Borehole	632820.3280	1496032.733	NA
SB-04	Borehole	632873.2308	1496114.955	NA
SB-05	Borehole	632731.696	1495841.038	NA
SB-06	Borehole	632762.522	1495909.165	NA
SB-07	Borehole	632765.649	1496040.197	NA
SB-08	Borehole	632782.7224	1496122.604	NA
SB-09	Borehole	632616.533	1495830.393	NA
SB-10	Borehole	632675.744	1495926.24	NA
SB-11	Borehole	632751.971	1496009.553	NA
SB-12	Borehole	632692.18	1496144.327	NA
SB-13	Borehole	632602.333	1495851.877	NA
SB-14	Borehole	632605.839	1495915.779	NA
SB-15	Borehole	632617.653	1496009.327	NA
SB-16	Borehole	632639.798	1496166.74	NA
SB-17	Borehole	632479.744	1495966.351	NA
SB-18	Borehole	632501.947	1496013.4	NA
SB-19	Borehole	632528.034	1496097.663	NA
SB-20	Borehole	632396.39	1495926.516	NA
SB-21	Borehole	632296.132	1495846.521	NA
SB-22	Borehole	632172.209	1495690.751	NA
SB-23	Borehole	632683.918	1495982.714	NA

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GEOPROBE BORING LOG

		BORING NO:	SB-01
PROJECT:	**Dayton Unit IV**	**SHEET:**	1 of 1
CLIENT:	**U.S. Army Corps of Engineers**	**JOB NO.:**	11171422.00000
BORING CONTRACTOR:	**Summit Drilling**	**BORING LOCATION:**	NE lawn of Lot 30
GROUNDWATER	None	**GROUND ELEVATION**	NA
DATE STARTED:	8/20/02; 08:58	**DATE FINISHED:**	8/20/02; 09:06
DRILLER:	J. Hall	**GEOLOGIST:**	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		Macrocore		
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				*** POCKET PENETROMETER READING**				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	SAMPLE REC%	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
1		S-1	Macrocore	90	Black / Brown	Loose to Medium Dense	0.0-0.4: FILL , silty fine sand, some coarse sand, fine subrounded gravel, roots, grass.	SM / ML	16498	Very Moist
2							0.4-1.3: FILL, silt, some clay, trace fine to coarse sand and subrounded fine gravel			Moist
3							1.3-1.7: Coarse SAND, and subrounded fine gravel, some fine sand, trace silt	SM		
4							1.7-2.4: Bedded fine SAND ~ 1" thick, some silt and medium to coarse sand, trace clay			
							2.4-2.6: Bedded coarse SAND			
							2.6-4.5: Bedded silty fine SAND			
5		S-2	Macrocore	100			4.5-6.6 Bedded SAND Grades downward from silty fine sand through fine sand into medium to coarse sand, WITH some fine sand			
6										
7							6.6-8.0: Silty fine SAND, trace clay and medium sand			
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Sample for TAL lead and lead 210 gamma spec analysis composited from depths of 4' to 8'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-01

URS

GEOPROBE BORING LOG

		BORING NO:	SB-02
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	NE lawn of Lot 30
GROUNDWATER	None	GROUND ELEVATION	NA
DATE STARTED:	8/20/02; 09:39	DATE FINISHED:	8/20/02; 09:44
DRILLER:	J. Hall	GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		Macrocore		
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	SAMPLE REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
					Dk. Brn	Loose to Medium Dense	0.0-0.5: FILL , silty fine sand, some coarse sand, subrounded fine gravel, roots, grass.	SM		Moist
1					Brown		0.5-1.5: FILL, silt, some clay, trace fine to coarse sand and subrounded fine gravel	ML		
2		S-1	Macrocore	75			1.5-1.7: Bedded silty fine SAND trace clay	SM		
3							1.7-3.5: Fine SAND, trace clay and medium sand			
4							3.5-6.2: SAND Grades downward from silty fine sand through fine sand into medium to coarse sand, some fine sand		16,911	
5										Wet @ 5.4'
6		S-2	Macrocore	85						
7							6.2-7.0: Bedded medium SAND, some fine and coarse sand			Moist
8						Stiff to Very Stiff	7.0-8.0: Silty CLAY, trace fine sand and rounded fine gravel	CL		

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis composited from depths of 1' to 5'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-02

URS

GEOPROBE BORING LOG

		BORING NO:	SB-03
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	E lawn of Lot 29
GROUNDWATER	None	GROUND ELEVATION	NA

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE		
						Macrocore			DATE STARTED:	8/20/02; 1020
				DIA.		2-inch			DATE FINISHED:	8/20/02; 1026
				LEN.		4-foot			DRILLER:	J. Hall
				LINER		Acetate			GEOLOGIST:	J. Doerr
				* POCKET PENETROMETER READING					REVIEWED BY:	D. Lenhardt

DEPTH FEET	SAMPLE STRATA	SAMPLE NO.	SAMPLE TYPE	SAMPLE REC%	DESCRIPTION COLOR	DESCRIPTION CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	DESCRIPTION USCS	REMARKS NaI	REMARKS Moist
1		S-1	Macrocore	80	Dark Brown / Brown	Loose to Medium Dense	0.0-3.8: FILL; Silt, some clay, brick, concrete, trace angular fine to coars gravel, fine sand			Moist
2										
3										
4							3.8-7.4: Interbedded SAND and GRAVEL ~ 1" thick. Coarse sand and subrounded to rounded gravel, trace fine sand and silt throughout	SW	15,195	
5		S-2	Macrocore	100						
6										
7										
8							7.4.-8.0: Well bedded silty fine SAND	SM		

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis composited from depths of 1' to 5'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-03

URS

GEOPROBE BORING LOG

BORING NO:	SB-4
SHEET:	1 of 1
JOB NO.:	11171422.00000
BORING LOCATION:	S. Center, Lot 34
GROUND ELEVATION	NA
DATE STARTED:	9/25/02-16:06
DATE FINISHED:	9/25/05- 16:12
DRILLER:	J. Hall
GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt

PROJECT: Dayton Unit IV

CLIENT: U.S. Army Corps of Engineers

BORING CONTRACTOR: Summit Drilling

GROUNDWATER	None				CAS.	SAMPLER	CORE	TUBE
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	REC%	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
1					Brown	Loose to Medium Dense	0.0-2.8: SILT, trace clay and rounded fine gravel	ML		
2		S-1	Macrocore	90						
3							2.8-8.0: fine SAND, bedded ~ 1" thick, trace medium sand and silt	SM		
4										
5										
6		S-2	Macrocore	90						
7										
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 0' to 4'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-4

URS

GEOPROBE BORING LOG

		BORING NO:	SB-05
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	N side Lot 12
GROUNDWATER	None	GROUND ELEVATION	NA
DATE STARTED:	8/20/02; 1052	DATE FINISHED:	8/20/02; 1058
DRILLER:	J. Hall	GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		Macrocore		
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
					Dk. Brn	Loose to Medium Dense	0.0-0.8: FILL , silty fine sand , some clay, trace fine subrounded gravel and glass			Moist
1					Brown		0.5-1.4: FILL; Silty fine sand			
2		S-1	Macrocore	90			1.4-1.6: FILL, fine sand			
							1.6-2.4: FILL; silt, some clay and fine sand			
3							2.4-4.0: Bedded fine SAND, trace silt and medium sand	SM		
4										
5							4.0-8.0: Bedded medium SAND some fine and coarse sand interbeds ~1/2" thick, alternating brown and gray-brown beds.		14,854	
6		S-2	Macrocore	90						
7										
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis composited from depths of 4' to 8'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-05

URS

GEOPROBE BORING LOG

		BORING NO:	SB-06
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	West end of Street
GROUNDWATER	None	GROUND ELEVATION	NA
DATE STARTED:	8/20/02; 1124	DATE FINISHED:	8/20/02; 1131
DRILLER:	J. Hall	GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
					Black	Dense	0.0-0.4: Asphalt			Moist
1					Dark Brown		0.4-0.9: Roadbed; Coarse sand and angular fine to coarse gravel			
							0.9-1.4 Subbase: angular coarse gravel, some coarse sand			
2		S-1	Macrocore	75	Brown	Loose to Medium Dense	1.4-4.0: FILL; Silty fine sand some clay, fine sand and angular fine gravel	SM/ SW		
3										
4										
							4.0-4.4: FILL; medium to coarse sand, some angular fine gravel some iron staining		14,920	
5							4.4-6.5: Bedded fine SAND, some silt and medium sand	SM		
6		S-2	Macrocore	90						
7							6.5-6.9: Coarse Sand and subrounded fine GRAVEL	SW		
							6.9-8.0: Silty fine SAND, trace clay and medium sand	SM		
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis composited from depths of 3' to 7'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-06

URS

GEOPROBE BORING LOG

BORING NO:	SB-07
SHEET:	1 of 1
JOB NO.:	11171422.00000
BORING LOCATION:	Across from Lot 29
GROUND ELEVATION	NA
DATE STARTED:	8/20/02; 1337
DATE FINISHED:	8/20/02; 1342
DRILLER:	J. Hall
GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt

PROJECT: Dayton Unit IV
CLIENT: U.S. Army Corps of Engineers
BORING CONTRACTOR: Summit Drilling

GROUNDWATER					CAS.	SAMPLER	CORE	TUBE
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		

None

* POCKET PENETROMETER READING

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	REC%	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	Moist
					Black	Dense	0.0-0.4: Asphalt			Moist
1					Dark Brown		0.4-0.8: Roadbed; Coarse sand and angular fine to coarse gravel			
							0.8-1.2 Subbase: Angular coarse gravel, some coarse sand			
2		S-1	Macrocore	80	Brown	Loose to Medium Dense	1.2-4.0: FILL; Silt, some clay, fine to coarse sand and fine angular gravel.	ML/ SM		
3										
4										
5							4.0-5.6: sandy SILT some clay trace medium to coarse sand, and fine subrounded gravel.	ML	14,667	
6		S-2	Macrocore	100			5.6-5.9: Coarse SAND and subrounded fine GRAVEL	SW		Wet
7							5.9-8.0: sandy SILT some clay trace medium to coarse sand, and fine subrounded gravel.	ML		Moist
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system.
Samples for TAL lead and lead 210 gamma spec analysis composited from depths of 3' to 7'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-07

URS

GEOPROBE BORING LOG

		BORING NO:	SB-08
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	Across from Lot 28
GROUNDWATER	None	GROUND ELEVATION	NA

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE		
				TYPE		Macrocore			DATE STARTED:	8/20/02; 1411
				DIA.		2-inch			DATE FINISHED:	8/20/02; 1422
				LEN.		4-foot			DRILLER:	J. Hall
				LINER		Acetate			GEOLOGIST:	J. Doerr
				* POCKET PENETROMETER READING					REVIEWED BY:	D. Lenhardt

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	SAMPLE REC%	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
					Black	Dense	0.0-0.4: Asphalt			Moist
1					Dark Brown		0.4-0.8: Roadbed; Coarse sand and angular fine to coarse gravel			
							0.8-1.0 Subbase: Coarse angular gravel, some coarse sand			
2		S-1	Macrocore	90	Brown	Loose to Medium Dense	1.0-4.2: FILL; Silt, some clay, fine to coarse sand and fine angular gravel.	ML/ SM		
3										
4										
5							4.2-8.0: SAND and GRAVEL Bedded coarse sand and rounded to subrounded fine gravel some fine and medium sand Beds ~3/4" to 1" thick.	SW/ GW	14,280	
6		S-2	Macrocore	80						
7										
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system.
Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 1' to 5'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-08

URS

GEOPROBE BORING LOG

BORING NO:	SB-09
SHEET:	1 of 1
JOB NO.:	11171422.00000
BORING LOCATION:	SW Lawn Lot 12
GROUND ELEVATION	NA
DATE STARTED:	8/20/02; 1602
DATE FINISHED:	8/20/02; 1608
DRILLER:	J. Hall
GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt

PROJECT: Dayton Unit IV

CLIENT: U.S. Army Corps of Engineers

BORING CONTRACTOR: Summit Drilling

GROUNDWATER None

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
						Macrocore		
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
1		S-1	Macrocore	90		Loose to Medium Dense	0.0-5.8: SILT some fine sand, trace clay and fine rounded to subrounded gravel	ML/ SM	14,960	Moist
2										
3										
4										
5										
6		S-2	Macrocore	90			5.6-8.0: SAND Bedded medium to coarse sand, some fine sand and rounded fine gravel	SW		
7										
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis composited from depths of 3' to 7'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-09

URS

GEOPROBE BORING LOG

BORING NO:	SB-10
SHEET:	1 of 1
JOB NO.:	11171422.00000
BORING LOCATION:	SE Lawn Lot 12
GROUND ELEVATION	NA
DATE STARTED:	8/20/02; 1529
DATE FINISHED:	8/20/02; 1536
DRILLER:	J. Hall
GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt

PROJECT: Dayton Unit IV
CLIENT: U.S. Army Corps of Engineers
BORING CONTRACTOR: Summit Drilling

GROUNDWATER					CAS.	SAMPLER	CORE	TUBE
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	REC%	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
1, 2		S-1	Macrocore	90	Brown	Loose to Medium Dense	0.0-0.7: FILL; sandy silt, some coarse sand and angular fine gravel, trace clay 0.7-2.1: FILL, Silt, some clay, fine sand, trace angular fine gravel	ML		Moist
3, 4							2.1-4.1:silty fine SAND, some clay, trace medium sand and rounded to subrounded fine gravel	SM		
5		S-2	Macrocore	100			4.1-4.9: SAND and GRAVEL Bedded coarse sand and subrounded fine gravel, trace silt to medium sand. Beds~2" thick.	SW	15,111	
							4.9-5.4: Silty SAND	SM		
6, 7, 8							5.4-8.0: SAND and GRAVEL Bedded coarse sand and subrounded to rounded fine gravel, trace medium sand	SW		

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis composited from depths of 3' to 7'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-10

URS

GEOPROBE BORING LOG

BORING NO:	SB-11
SHEET:	1 of 1
JOB NO.:	11171422.00000
BORING LOCATION:	S. of Katherine Terrace
GROUND ELEVATION	NA
DATE STARTED:	8/20/02; 1449
DATE FINISHED:	8/20/02; 1453
DRILLER:	J. Hall
GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt

PROJECT: Dayton Unit IV
CLIENT: U.S. Army Corps of Engineers
BORING CONTRACTOR: Summit Drilling

GROUNDWATER					CAS.	SAMPLER	CORE	TUBE
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

None

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
1					Gray/ Brown	Loose to Medium Dense	0.0-2.9: FILL; Fine to coarse sand and fine to coarse angular gravel Some silt and clay			Moist
2		S-1	Macrocore	95						
3					Brown		2.9-4.2: Fine sandy SILT, some clay and medium sand	ML		
4									14,442	
5							4.2-5.2: Medium to coarse SAND, some rounded fine gravel	SM		
6		S-2	Macrocore				5.2-8.0: SILT, some clay and fine sand, trace subrounded to rounded fine gravel	ML		
7										
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis coompsited from depths of 0' to 4' A duplicate sample was also collected

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-11

URS

GEOPROBE BORING LOG

		BORING NO:	SB-12
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	NE, Lot 31
GROUNDWATER	None	GROUND ELEVATION	NA
DATE STARTED:	8/21/02; 0852	DATE FINISHED:	8/21/02; 0907
DRILLER:	J. Hall	GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
1		S-1	Macrocore	95	Brown	Loose to Medium Dense	0.0-1.1: Silty SAND, some medium sand, trace degraded sandstone fragments (fine gravel)	SM		Moist
2					Brown and Gray	Medium Dense to Dense	1.1-8.0: Interbedded degraded sandstone and medium to coarse SAND, beds ~2" to 3" thick trace fines	SW		
3										
4									18,514	
5		S-2	Macrocore	80						
6										
7										
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 0' to 4' MS/MSD samples were also collected

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-12

URS

GEOPROBE BORING LOG

BORING NO:	SB-13
SHEET:	1 of 1
JOB NO.:	11171422.00000
BORING LOCATION:	S, Lot 12
GROUND ELEVATION	NA
DATE STARTED:	8/22/02;0912
DATE FINISHED:	8/22/02; 0917
DRILLER:	J. Hall
GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt

PROJECT:	Dayton Unit IV
CLIENT:	U.S. Army Corps of Engineers
BORING CONTRACTOR:	Summit Drilling

GROUNDWATER	None				CAS.	SAMPLER	CORE	TUBE
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	REC%	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
1					Brown	Loose to Medium Dense	0.0-2.4:FILL: Silt, some clay, fine sand, trace angular fine gravel			Moist
2		S-1	Macrocore	90						
3					Gray/ Red/ Brown		2.4-3.1: FILL; brick, concrete, trace silt			
4							3.1-5.7: FILL; silt, some clay, trace fine sand, brick, angular fine gravel		18,596	
5										
6		S-2	Macrocore	100			5.7-8.0: Medium to coarse SAND, trace fine sand, beds ~ 2" thick	SW		
7										
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 0' to 4'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-13

URS

GEOPROBE BORING LOG

		BORING NO:	SB-14
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	W. Lot 32
GROUNDWATER	None	GROUND ELEVATION	NA
DATE STARTED:	8/21/02; 1119	DATE FINISHED:	8/21/02; 1124
DRILLER:	J. Hall	GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
1		S-1	Macrocore	80	Brown	Loose to Medium Dense	0.0-5.6: SILT, some fine sand, and clay, trace rounded fine gravel	ML	18,596	Moist
2										
3										
4										
5										
6		S-2	Macrocore	90		medium dense to dense	5.6-8.0: Medium to coarse SAND degraded sandstone beds @ 6.4-6.6 and 7.1-7.3, some broken, angular fine degraded sandstone gravel	SW		
7										
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system.
Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 0' to 4'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-14

URS

GEOPROBE BORING LOG

BORING NO:	SB-15
SHEET:	1 of 1
JOB NO.:	11171422.00000
BORING LOCATION:	E. Lot 32
GROUND ELEVATION	NA
DATE STARTED:	8/21/02; 1137
DATE FINISHED:	8/21/02; 1142
DRILLER:	J. Hall
GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt

PROJECT: Dayton Unit IV
CLIENT: U.S. Army Corps of Engineers
BORING CONTRACTOR: Summit Drilling

GROUNDWATER	None				CAS.	SAMPLER	CORE	TUBE
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	REC%	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	Moist
					Brown	Loose to Dense	0.0-0.3: SILT, some clay, fine sand	ML		Moist
1							0.-4.0: coarse SAND and angular fine degraded sandstone gravel	SW		
2		S-1	Macrocore	60					18,264	
3										
4										
5							Refusal on competent bedrock at 4.0' BGS			
6										
7										
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 0' to 4'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-15

URS

GEOPROBE BORING LOG

		BORING NO:	SB-16
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	E. Lot 31
GROUNDWATER	None	GROUND ELEVATION	NA
DATE STARTED:	8/21/02; 1119	DATE FINISHED:	8/21/02; 1124
DRILLER:	J. Hall	GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	SAMPLE REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
1		S-1	Macrocore	90	Brown	Loose to Medium Dense	0.0-1.2: FILL; Silty fine sand, some medium to coarse sand, fine degraded sandstone gravel	SM/ ML		Moist
2							1.2-2.6: FILL, Silt, some fine to medium sand, and clay trace fine degraded sandstone gravel			
3							2.6-7.0: FILL: silty to medium sand some clay and angular fine degraded sandstone gravel			
4									20,300	
5		S-2	Macrocore	80						
6										
7					Gray Brown		7.0-7.2: FILL: coarse sand and ash Charred, baked appearance	SW		
							7.2-7.4: Coarse SAND, bedded			
8							7.4-8.0: Clayey silt, trace fine sand	CL		

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 0' to 4' MS/MSD samples collected and OEPA split sample

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-16

URS

GEOPROBE BORING LOG

		BORING NO:	SB-17
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	E. Lot 19
GROUNDWATER	None	GROUND ELEVATION	NA
DATE STARTED:	8/21/02; 1519	DATE FINISHED:	8/21/02; 1523
DRILLER:	J. Hall	GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
1					Brown	Loose to Medium Dense	0.0-8.0: SILT, some fine sand trace clay and rounded fine gravel	ML		Moist
2		S-1	Macrocore	100						
3										
4									18,945	
5										
6		S-2	Macrocore	100						
7										
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 1' to 5'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-17

URS

GEOPROBE BORING LOG

		BORING NO:	SB-18
PROJECT:	**Dayton Unit IV**	**SHEET:**	1 of 1
CLIENT:	**U.S. Army Corps of Engineers**	**JOB NO.:**	11171422.00000
BORING CONTRACTOR:	**Summit Drilling**	**BORING LOCATION:**	SW. Lot 19
GROUNDWATER	None	**GROUND ELEVATION**	NA
DATE STARTED:	8/21/02; 1425	**DATE FINISHED:**	8/21/02; 1434
DRILLER:	J. Hall	**GEOLOGIST:**	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		Macrocore		
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				*** POCKET PENETROMETER READING**				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
1		S-1	Macrocore	95	Brown	Loose to Medium Dense	0.0-3.3: Silty fine SAND, some medium to coarse sand and fine degraded sandstone gravel	SM		Moist
2										
3										
4							3.3-5.6: SILT, some clay and fine sand, trace rounded fine gravel	ML	19,202	
5										
6		S-2	Macrocore	100			5.6-7.1: Fine sandy SILT, some clay trace rounded fine gravel			
7										
8							7.1-8.0: SILT, some clay, trace fine sand			

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 0' to 4'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-18

URS

GEOPROBE BORING LOG

		BORING NO:	SB-19
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	SW Lot 32
GROUNDWATER	None	GROUND ELEVATION	NA
DATE STARTED:	8/21/02; 1352	DATE FINISHED:	8/21/02; 1359
DRILLER:	J. Hall	GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
1					Brown	Loose to Medium Dense	0.0-8.0: Silt, some clay, trace fine rounded gravel	ML		Moist
2		S-1	Macrocore	90						
3										
4									19,108	
5										
6		S-2	Macrocore	100						
7										
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system.
Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 0' to 4' OEPA split sample

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-19

URS

GEOPROBE BORING LOG

		BORING NO:	SB-20
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	SW. Lot 19
GROUNDWATER	None	GROUND ELEVATION	NA
DATE STARTED:	8/21/02; 1525	DATE FINISHED:	8/21/02; 1530
DRILLER:	J. Hall	GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		Macrocore		
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
1					Brown	Loose to Medium Dense	0.0-8.0: Silt, some clay, trace fine sand and fine rounded gravel	ML		Moist
2		S-1	Macrocore	95						
3										
4									20,902	
5										
6		S-2	Macrocore	100						
7										
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 0' to 4' Duplicate sample collected

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-20

URS

GEOPROBE BORING LOG

		BORING NO:	SB-21
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	SE Lot 20
GROUNDWATER	None	GROUND ELEVATION	NA
DATE STARTED:	8/22/02; 0959	DATE FINISHED:	8/22/02; 1003
DRILLER:	J. Hall	GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
1, 2		S-1	Macrocore	100	Brown	Loose to Medium Dense	0.0-2.2: SILT, trace clay and fine sand.	ML		Moist
3, 4		S-1	Macrocore	100			2.2-6.4: Clayey SILT, laminated, trace fine sand	CL	19,102	
5, 6		S-2	Macrocore	100						
7, 8		S-2	Macrocore	100			6.4-8.0: SILT, some fine sand, grading downward through fine sand to medium to coarse sand, fine rounded gravel at 8'. (former stream bed)	ML/ SW		

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 0' to 4' Duplicate sample collected

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-21

URS

GEOPROBE BORING LOG

		BORING NO:	SB-22
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	WS Lot 34
GROUNDWATER	None	GROUND ELEVATION	NA
DATE STARTED:	8/22/02; 0939	DATE FINISHED:	8/22/02; 0945
DRILLER:	J. Hall	GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
1		S-1	Macrocore	90	Brown	Loose to Medium Dense	0.0-1.2: FILL; silt, some clay, and fine sand, trace angular fine gravel			Moist
2					Black		1.2-1.5: FILL: ash, carbonized matter 1.5-2.5: FILL: fine sandy silt, trace clay			
3					Gray Brown		2.5-8.0: SILT, trace clay, fine sand and rounded fine gravel Fine sand varies from trace to some	ML		
4									18,102	
5										
6		S-2	Macrocore	100						
7										
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 0' to 4'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-22

URS

GEOPROBE BORING LOG

		BORING NO:	SB-23
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	SW Lot 34
GROUNDWATER	None	GROUND ELEVATION	NA
DATE STARTED:	8/21/02; 1109	DATE FINISHED:	8/21/02; 1115
DRILLER:	J. Hall	GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				TYPE		Macrocore		
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
					Brown	Loose to Medium Dense	0.0-0.5: Silty fine SAND, some medium sand	SM		Moist
1							0.5-8.0: Medium to coarse SAND degraded sandstone beds at 2.9'-3.1' 3.6'-3.8' 5.2'-5.4' fine degraded sandstone gravel throughout	SW		
2		S-1	Macrocore	85						
3						Medium Dense to Dense				
4									19,128	
5										
6		S-2	Macrocore	80						
7										
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 3' to 7'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: SB-23

URS

GEOPROBE BORING LOG

		BORING NO:	C-1
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	SE Lot 32
GROUNDWATER	None	GROUND ELEVATION	NA
DATE STARTED:	8/21/02; 1305	DATE FINISHED:	8/21/02; 1332
DRILLER:	J. Hall	GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				TYPE		Macrocore		
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	REC%	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	Moist
1					Brown	Medium Dense to Dense	0.0-1.0: SILT, some fine sand roots, and organic detritus	ML		Moist
2		S-1	Macrocore	Ave. 60			1.0--4.0: Medium to coarse SAND with fine degraded sandstone gravel throughout	SW		
3										
4									18,902	
5							Refusal on competent bedrock at 3.5-4.0' Three borings attempted			
6										
7										
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 0' to 4' Split sample with OEPA

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: C-1

URS

GEOPROBE BORING LOG

		BORING NO:	C-3
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	E. Lot 31
GROUNDWATER	None	GROUND ELEVATION	NA
DATE STARTED:	8/21/02; 1024	DATE FINISHED:	8/21/02; 1029
DRILLER:	J. Hall	GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
1					Brown	Loose to Medium Dense	0.0-0.4: FILL; fine sand, some silt and medium to coarse sand	SW		Moist
2		S-1	Macrocore	95			0.4-5.8: FILL: silty sand, some medium to coarse sand and fine degraded sandstone gravel.			
3										
4									20,996	
5										
6		S-2	Macrocore	100			5.8-8.0: Clayey SILT, some medium sand , trace rounded fine gravel	ML		
7										
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 1' to 5'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: C-3

URS

GEOPROBE BORING LOG

		BORING NO:	C-4
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	Center, Lot 32
GROUNDWATER	None	GROUND ELEVATION	NA
DATE STARTED:	8/21/02; 1126	DATE FINISHED:	8/21/02; 1130
DRILLER:	J. Hall	GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
					Brown	Loose to Medium Dense to Dense	0.0-0.4: FILL; Silty sand, some medium sand, trace clay			Moist
1							0.4-8.0: Medium to coarse SAND, some fine degraded sandstone gravel. Degraded sandstone interbeds at: 1.3-1.5 3.4-3.7 6.4-6.8	SW		
2		S-1	Macrocore	90						
3										
4									20,196	
5										
6		S-2	Macrocore	60						
7										
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 1' to 5'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: C-4

URS

GEOPROBE BORING LOG

		BORING NO:	S-5
PROJECT:	Dayton Unit IV	SHEET:	1 of 1
CLIENT:	U.S. Army Corps of Engineers	JOB NO.:	11171422.00000
BORING CONTRACTOR:	Summit Drilling	BORING LOCATION:	S. Center, Lot 34
GROUNDWATER	None	GROUND ELEVATION	NA
DATE STARTED:	8/22/02; 0949	DATE FINISHED:	8/22/02; 0953
DRILLER:	J. Hall	GEOLOGIST:	J. Doerr
REVIEWED BY:	D. Lenhardt		

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		Macrocore		
				DIA.		2-inch		
				LEN.		4-foot		
				LINER		Acetate		
				* POCKET PENETROMETER READING				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	REC%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS NaI	REMARKS Moist
1		S-1	Macrocore	80	Brown	Loose to Medium Dense	0.0-5.3: FILL; Clayey silt to silt, some clay, trace fine sand, and angular fine gravel		17,140	Moist
2										
3										
4										
5										
6		S-2	Macrocore	100			5.3-6.6: SILT, compact, blocky structure, trace fine sand			
7							6.6-8.0: Medium to coarse SAND, and rounded fine gravel, some fine sand			Wet at 6.6'
8										

End of boring @ 8 feet bgs

COMMENTS: Macrocore sampler advanced with a track-mounted Geoprobe LT-54 direct push drill rig and standard macro core penetration system. Samples for TAL lead and lead 210 gamma spec analysis collected from depths of 0' to 4'

NaI = Ludlum 2221 Sodium Iodide Detector with 3" x 3" probe

BORING ID: S-5

APPENDIX B

FIELD SAMPLING REPORTS

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422 00000
SITE: COE Dayton Unit IV

GP-1

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-01U/04-08
SAMPLING METHOD: Grab D-T DUP.REP. OF:
BEGINNING DEPTH: 4' MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 8' YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/20/02 TIME: ~~1110~~ 0930

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	0.0	COLOR: Brn	
2nd	0.0	ODOR: none	
		OTHER: no readings Na I above background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION NE 5-10 AMBIENT TEMP. 75°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: ___
COMMENTS: ___
SAMPLER: John Doerr OBSERVER: ___

MATRIX TYPE CODES

DC = DRILL CUTTINGS
WG = GROUND WATER
LH = HAZARDOUS LIQUID WASTE
SH = HAZARDOUS SOLID WASTE
SE = SEDIMENT
SL = SLUDGE
SO = SOIL
GS = SOIL GAS
WS = SURFACE WATER
SW = SWAP/WIPE

SAMPLING METHOD CODES

B = BAILER
BR = BRASS RING
CS = COMPOSITE SAMPLE
C = CONTINUOUS FLIGHT AUGER
DT = DRIVEN TUBE
W = SWAB/WIPE
G = GRAB
HA = HAND AUGER
H = HOLLOW STEM AUGER
HP = HYDRO PUNCH
SS = SPLIT SPOON
SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422 00000
SITE: COE Dayton Unit IV

GP-2

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-024/01-05
SAMPLING METHOD: Grab-DT DUP.REP. OF:
BEGINNING DEPTH: 1' MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 5' YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/20/02 TIME: ~~1045~~ 1006

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brn	
2nd 0.0	ODOR: none	
	OTHER: NaI > Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION NE 5-10 AMBIENT TEMP. 75°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: John Doerr OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422 00000
SITE: COE Dayton Unit IV

GP-3

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-03U/01-05
SAMPLING METHOD: Grab-DT DUP.REP. OF:
BEGINNING DEPTH: 1' MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 5' YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/20/02 TIME: ~~1006~~ 1045

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brn	Bedded F Sand
2nd 0.0	ODOR: None	
	OTHER: Na I < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION NE 5-10 AMBIENT TEMP. 75°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS: John Doerr
SAMPLER: ___ OBSERVER: ___

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422 00000
SITE: COE Dayton Unit IV

GP-4

SAMPLE INFORMATION

MATRIX: SOIL SAMPLE ID: D4-SB-04a/o -04
SAMPLING METHOD: Grab-DT DUP.REP. OF:
BEGINNING DEPTH: 0' MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 4' YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 9/25/02 TIME: 1615

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brn	Bedded F Sand
2nd 0.0	ODOR: None	
	OTHER: Na I < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION NE 5-10 AMBIENT TEMP. 75°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS: John Doerr
SAMPLER: ___ OBSERVER: ___

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422.00000

SITE: COE Dayton Unit IV

GP-5

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-05U/04-08

SAMPLING METHOD: DT Grab DUP.REP. OF:

BEGINNING DEPTH: 4' MATRIX SPIKE/MATRIX SPIKE DUPLICATE

END DEPTH: 8' YES ( ) NO (X)

GRAB (X) COMPOSITE ( ) DATE: 8/20/02 TIME: 0930 0 1110

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	mostly Bedded
2nd 0.0	ODOR: None	sandy
	OTHER: Na I < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION NE-5 AMBIENT TEMP. 70°F

SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___

SHIPPED TO: STL

COMMENTS:

SAMPLER: John Doerr OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422 00000
SITE: COE Dayton Unit IV

GP-6

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-064/03-07
SAMPLING METHOD: Grab D-T DUP.REP. OF:
BEGINNING DEPTH: 3' MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 7' YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/20/02 TIME: 1150

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brn	Fill and Bedded
2nd 0.0	ODOR: none	Sands
	OTHER: Na I < Background	USACE split

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION NE 5-10 AMBIENT TEMP. 80°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: John Doerr OBSERVER:

MATRIX TYPE CODES

DC = DRILL CUTTINGS
WG = GROUND WATER
LH = HAZARDOUS LIQUID WASTE
SH = HAZARDOUS SOLID WASTE
SE = SEDIMENT
SL = SLUDGE
SO = SOIL
GS = SOIL GAS
WS = SURFACE WATER
SW = SWAP/WIPE

SAMPLING METHOD CODES

B = BAILER
BR = BRASS RING
CS = COMPOSITE SAMPLE
C = CONTINUOUS FLIGHT AUGER
DT = DRIVEN TUBE
W = SWAB/WIPE
G = GRAB
HA = HAND AUGER
H = HOLLOW STEM AUGER
HP = HYDRO PUNCH
SS = SPLIT SPOON
SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 1117142.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-07U/03-07
SAMPLING METHOD: DT-Grab DUP.REP. OF:
BEGINNING DEPTH: 3' MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 7' YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/20/02 TIME: 1358

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR: Brn	Fill and
2nd 0	ODOR: none	Fine Sand and Silt
	OTHER: NaI < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION NE 5-10 AMBIENT TEMP. 80
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: John Doerr OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 1117142.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: DT-SB-08U/01-05
SAMPLING METHOD: DT Grab DUP.REP. OF:
BEGINNING DEPTH: 1' MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 5' YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/20/02 TIME: 1440

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C	—	6010B	Total TAL PB
500ml HDPE	2	4°C	—	HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR: Brn	Fill
2nd 0	ODOR: None	
	OTHER: Nat < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION NE 5-10 AMBIENT TEMP. 80°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: John Doerr OBSERVER:

MATRIX TYPE CODES

DC = DRILL CUTTINGS
WG = GROUND WATER
LH = HAZARDOUS LIQUID WASTE
SH = HAZARDOUS SOLID WASTE
SE = SEDIMENT
SL = SLUDGE
SO = SOIL
GS = SOIL GAS
WS = SURFACE WATER
SW = SWAP/WIPE

SAMPLING METHOD CODES

B = BAILER
BR = BRASS RING
CS = COMPOSITE SAMPLE
C = CONTINUOUS FLIGHT AUGER
DT = DRIVEN TUBE
W = SWAB/WIPE
G = GRAB
HA = HAND AUGER
H = HOLLOW STEM AUGER
HP = HYDRO PUNCH
SS = SPLIT SPOON
SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422 00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-094/03-07
SAMPLING METHOD: DT- Grab DUP.REP. OF:
BEGINNING DEPTH: 3' MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 7 YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/20/02 TIME: 1620

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	0.0	COLOR: Brn	
2nd	0.0	ODOR: None	
		OTHER: Na I < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION NE 5-10 AMBIENT TEMP. 80°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: John Doerr OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422 00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-104/03-07
SAMPLING METHOD: DT-Grab DUP.REP. OF:
BEGINNING DEPTH: 03 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 07 YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/20/02 TIME: 1555

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	0.0	COLOR: Brown	
2nd	0.0	ODOR: none	
		OTHER: NaI < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION NE 5-10 AMBIENT TEMP. 80°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: John Doerr OBSERVER:

MATRIX TYPE CODES

DC = DRILL CUTTINGS
WG = GROUND WATER
LH = HAZARDOUS LIQUID WASTE
SH = HAZARDOUS SOLID WASTE
SE = SEDIMENT
SL = SLUDGE
SO = SOIL
GS = SOIL GAS
WS = SURFACE WATER
SW = SWAP/WIPE

SAMPLING METHOD CODES

B = BAILER
BR = BRASS RING
CS = COMPOSITE SAMPLE
C = CONTINUOUS FLIGHT AUGER
DT = DRIVEN TUBE
W = SWAB/WIPE
G = GRAB
HA = HAND AUGER
H = HOLLOW STEM AUGER
HP = HYDRO PUNCH
SS = SPLIT SPOON
SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422 00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB11U/00-04
SAMPLING METHOD: DT Grab DUP.REP. OF:
BEGINNING DEPTH: 0 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 4' YES ( ) NO ( )
GRAB (X) COMPOSITE ( ) DATE: 8/20/02 TIME: 1510

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	0	COLOR: Brn	
2nd	0	ODOR: None	
		OTHER: NAI < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION NE 5-10 AMBIENT TEMP. 80
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: John Doerr OBSERVER:

MATRIX TYPE CODES

DC = DRILL CUTTINGS
WG = GROUND WATER
LH = HAZARDOUS LIQUID WASTE
SH = HAZARDOUS SOLID WASTE
SE = SEDIMENT
SL = SLUDGE
SO = SOIL
GS = SOIL GAS
WS = SURFACE WATER
SW = SWAP/WIPE

SAMPLING METHOD CODES

B = BAILER
BR = BRASS RING
CS = COMPOSITE SAMPLE
C = CONTINUOUS FLIGHT AUGER
DT = DRIVEN TUBE
W = SWAB/WIPE
G = GRAB
HA = HAND AUGER
H = HOLLOW STEM AUGER
HP = HYDRO PUNCH
SS = SPLIT SPOON
SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-BD01
SAMPLING METHOD: DT- Grab DUP.REP. OF: D4-SB11/D4-08
BEGINNING DEPTH: 04 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 08 YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/20/02 TIME: 1510

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	
2nd 0.0	ODOR: None	
	OTHER: Nat < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR ____ OVERCAST/RAIN ____ WIND DIRECTION ____ AMBIENT TEMP. ____
SHIPMENT VIA: FED-X X HAND DELIVER ____ COURIER ____ OTHER ____
SHIPPED TO: STL
COMMENTS: ____
SAMPLER: JD OBSERVER: ____

MATRIX TYPE CODES

DC = DRILL CUTTINGS
WG = GROUND WATER
LH = HAZARDOUS LIQUID WASTE
SH = HAZARDOUS SOLID WASTE
SE = SEDIMENT
SL = SLUDGE
SO = SOIL
GS = SOIL GAS
WS = SURFACE WATER
SW = SWAP/WIPE

SAMPLING METHOD CODES

B = BAILER
BR = BRASS RING
CS = COMPOSITE SAMPLE
C = CONTINUOUS FLIGHT AUGER
DT = DRIVEN TUBE
W = SWAB/WIPE
G = GRAB
HA = HAND AUGER
H = HOLLOW STEM AUGER
HP = HYDRO PUNCH
SS = SPLIT SPOON
SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 1117142.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-12a/0-4
SAMPLING METHOD: DT - Grab DUP.REP. OF:
BEGINNING DEPTH: 00 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 04 YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 9/20/02 TIME: 0915

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	
2nd 0.0	ODOR: None	
	OTHER: Na I < background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SE AMBIENT TEMP. 85°F
SHIPMENT VIA: FED-X ___ HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JP OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: SOIL SAMPLE ID: D4-SB-12W/00-04 MS
SAMPLING METHOD: DT- Grab DUP.REP. OF:
BEGINNING DEPTH: 00 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 04 YES (X) NO ( )
GRAB (X) COMPOSITE ( ) DATE: 8/21/02 TIME: 0915

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	MS
2nd 0.0	ODOR: None	
	OTHER: Na I < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW AMBIENT TEMP. 85°F
SHIPMENT VIA: FED-X ___ HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JD OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 117142.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: P4-SB-QA1/00-04MSD
SAMPLING METHOD: DT-Grab DUP.REP. OF:
BEGINNING DEPTH: 00 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 04 YES (X) NO ( )
GRAB (X) COMPOSITE ( ) DATE: 8/21/02 TIME: 0915

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	MSD
2nd 0.0	ODOR: None	
	OTHER: NaI < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW AMBIENT TEMP. 85°F
SHIPMENT VIA: FED-X ___ HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JD OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 117142.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-134/00-04
SAMPLING METHOD: DT Grab DUP.REP. OF:
BEGINNING DEPTH: 0.0 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 4.0 YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/22/02 TIME: 1055

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C	—	6010B	Total TAL PB
500ml HDPE	2	4°C	—	HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brn	collect Pb above and
2nd 0.0	ODOR: None	below brick & concrete
	OTHER: NaI < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW 10 AMBIENT TEMP. 90°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: J.D OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 117142.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-142/00-04
SAMPLING METHOD: DT-Grab DUP.REP. OF:
BEGINNING DEPTH: 00 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 04 YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/21/02 TIME: 1215

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	
2nd 0.0	ODOR: None	
	OTHER: NaI < background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION ___ AMBIENT TEMP. 90°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JD OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 1117142.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-154/00-04
SAMPLING METHOD: DT - Grab DUP.REP. OF:
BEGINNING DEPTH: 00 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 04 YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/21/02 TIME: 1245

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	
2nd 0.0	ODOR: None	
	OTHER: Nat < background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW AMBIENT TEMP. 95°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JD OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422 00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: DH-SB-164/00-04
SAMPLING METHOD: DT-Grab DUP.REP. OF:
BEGINNING DEPTH: 00 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 04 YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 08/21/02 TIME: 1000

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	
2nd 0.0	ODOR: None	
	OTHER: Not < background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW AMBIENT TEMP. 85°F
SHIPMENT VIA: FED-X ___ HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JD OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422 00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-16W/00-04MS
SAMPLING METHOD: DT Grab DUP.REP. OF:
BEGINNING DEPTH: 00 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 04 YES (X) NO ( )
GRAB (X) COMPOSITE ( ) DATE: 8/21/02 TIME: 1000

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	MS
2nd 0.0	ODOR: None	
	OTHER: Not < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW AMBIENT TEMP. 85°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JD OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422 00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-16U/00-04 MSD
SAMPLING METHOD: DT-Grab DUP.REP. OF:
BEGINNING DEPTH: 00 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 04 YES (X) NO ( )
GRAB (X) COMPOSITE ( ) DATE: 8/21/02 TIME: 1000

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	MSD
2nd 0.0	ODOR: Odor	
	OTHER: NaI < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW AMBIENT TEMP. 85°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JD OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 1117142.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-17U/01-05
SAMPLING METHOD: DT Grab DUP.REP. OF:
BEGINNING DEPTH: 01 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 05 YES ( ) NO (X) 1550
GRAB (X) COMPOSITE ( ) DATE: 8/21/07 TIME: ~~1650~~

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	
2nd 0.0	ODOR: None	
	OTHER: NaI < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION X AMBIENT TEMP. 95°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JP OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-18U/0-4
SAMPLING METHOD: DT Grab DUP.REP. OF:
BEGINNING DEPTH: 00 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 04 YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/21/02 TIME: 1450

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	
2nd 0.0	ODOR: None	
	OTHER: NaI < background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW AMBIENT TEMP. 95°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JD OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-19U/04-08
SAMPLING METHOD: DT Grab DUP.REP. OF:
BEGINNING DEPTH: 04 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 08 YES ( ) NO ( )
GRAB (X) COMPOSITE ( ) DATE: 8/21/02 TIME: 1415

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	
2nd 0.0	ODOR: None	
	OTHER: Nat < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW AMBIENT TEMP. 95°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: VD OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 1117142.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: ~~BD~~ D4-SB-BD02
SAMPLING METHOD: DT Grab DUP.REP. OF: D4-SB-19U/04-08
BEGINNING DEPTH: 04 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 08 YES ( ) NO ( )
GRAB (X) COMPOSITE ( ) DATE: 8/21/02 TIME: 1415

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	
2nd 0.0	ODOR: None	
	OTHER: Nat < background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW AMBIENT TEMP. 95°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS: ___
SAMPLER: JD OBSERVER: ___

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422 00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-204/00-04
SAMPLING METHOD: ~~00~~ DT DUP.REP. OF:
BEGINNING DEPTH: 00 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 04 YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/21/02 TIME: 1610

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	
2nd 0.0	ODOR: None	
	OTHER: Not < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW AMBIENT TEMP. 95°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JD OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 117142.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-214/00-04
SAMPLING METHOD: DT Grab DUP.REP. OF:
BEGINNING DEPTH: 00 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 04 YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/22/02 TIME: 1150

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	
2nd 0.0	ODOR: None	
	OTHER: Na I < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW AMBIENT TEMP. 95°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JD OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 1117142.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-022U/00-04
SAMPLING METHOD: DT Grab DUP.REP. OF:
BEGINNING DEPTH: 00 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 04 YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/22/02 TIME: 1125

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	0.0	COLOR: Brown	
2nd	0.0	ODOR: none	
		OTHER: Na I < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW AMBIENT TEMP. 90°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JD OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 1117142.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-234/03-07
SAMPLING METHOD: DT-Grab DUP.REP. OF:
BEGINNING DEPTH: 03 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 07 YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/21/ TIME: 1150

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	
2nd 0.0	ODOR: None	
	OTHER: NaI < background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW AMBIENT TEMP. 70°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JD OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 1117142.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: ~~SB~~ D4-SB-C1B/00-03
SAMPLING METHOD: DT Grab DUP.REP. OF:
BEGINNING DEPTH: 00 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 03 YES ( ) NO ( )
GRAB (X) COMPOSITE ( ) DATE: 8/21/02 TIME: 1340

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	0.0	COLOR: Brown	
2nd	0.0	ODOR: None	
		OTHER: Na I < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW AMBIENT TEMP. 95°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JD OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 11171422.00000
SITE: COE Dayton Unit IV

C-3

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-C3B/01-05
SAMPLING METHOD: DT Grab DUP.REP. OF:
BEGINNING DEPTH: 01 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 05 YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/21/02 TIME: 1045

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	
2nd 0.0	ODOR: None	
	OTHER: Not < background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW AMBIENT TEMP. 90°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JD OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 1117142.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-C4B/01-05
SAMPLING METHOD: DT-Grab DUP.REP. OF:
BEGINNING DEPTH: 01 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 0.5 YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/21/02 TIME: 1230

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR: Brown	
2nd 0.0	ODOR: None	
	OTHER: NaI < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW AMBIENT TEMP. 90°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JD OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

FIELD SAMPLING REPORT

URS
282 Delaware Avenue
Buffalo, New York 14202
(716) 856-5636

LOCATION: Dayton OH PROJECT NO.: 1117142.00000
SITE: COE Dayton Unit IV

SAMPLE INFORMATION

MATRIX: Soil SAMPLE ID: D4-SB-S5B/00-04
SAMPLING METHOD: DT Grab DUP.REP. OF:
BEGINNING DEPTH: 00 MATRIX SPIKE/MATRIX SPIKE DUPLICATE
END DEPTH: 04 YES ( ) NO (X)
GRAB (X) COMPOSITE ( ) DATE: 8/22/02 TIME: 1135

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL	ANALYSIS
4oz HDPE	1	4°C		6010B	Total TAL PB
500ml HDPE	2	4°C		HASL 300	Pb 210 Gamma Spec

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	0.0	COLOR: Brown	
2nd	0.0	ODOR: None	
		OTHER: NaI < Background	

GENERAL INFORMATION

WEATHER: SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION SW AMBIENT TEMP. 95°F
SHIPMENT VIA: FED-X X HAND DELIVER ___ COURIER ___ OTHER ___
SHIPPED TO: STL
COMMENTS:
SAMPLER: JD OBSERVER:

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC = DRILL CUTTINGS	SL = SLUDGE	B = BAILER	G = GRAB
WG = GROUND WATER	SO = SOIL	BR = BRASS RING	HA = HAND AUGER
LH = HAZARDOUS LIQUID WASTE	GS = SOIL GAS	CS = COMPOSITE SAMPLE	H = HOLLOW STEM AUGER
SH = HAZARDOUS SOLID WASTE	WS = SURFACE WATER	C = CONTINUOUS FLIGHT AUGER	HP = HYDRO PUNCH
SE = SEDIMENT	SW = SWAP/WIPE	DT = DRIVEN TUBE	SS = SPLIT SPOON
		W = SWAB/WIPE	SP = SUBMERSIBLE PUMP

APPENDIX C

RADIOLOGICAL SCOPING SURVEY RESULTS AND RAW DATA

DAYTON UNIT IV – RUNNYMEDE PLAYHOUSE
RADIOLOGICAL SCOPING SURVEY

A radiological scoping survey was conducted at the Dayton Unit IV site on July 29 through August 1, 2002 and on September 12, 2002. The survey consisted of collecting geographical coordinates using a Trimble GPS Pathfinder Pro-XRS and corresponding gamma radiation readings using a Ludlum Model 2221 Ratemeter combined with a 3-inch by 3-inch Bicron model 3M3/3 sodium iodide probe.

The GPS unit and Bicron equipment were temporarily mounted to a jogging stroller in order to maintain consistent GPS antenna height (approximately 4.5 feet) and 44-10 probe height (approximately one-foot) above the ground surface. The effective capture area of the 44-10 probe at a one-foot height above the ground surface is approximately 4 feet in diameter. The stroller was pushed at a rate of approximately 0.5 meters per second along grid lines set at 3-foot intervals. Both the GPS unit and the Bicron Model 3M3/3 logged data at two-second intervals.

Daily background gamma radiation readings were established from a grass-covered area on Parcel #19 as shown in the attached figure. The average background reading for this survey was determined to be approximately 24,987 counts per minute (cpm).

For areas where the GPS was unable to obtain a sufficient signal due to dense tree cover or nearness to houses, real-time gamma data were transferred from the ratemeter to a laptop computer via a hyperterminal connection while the health physicist paid attention to the audible signal that would indicate any increase in count rate.

The radiological scoping survey included all or portions of the following areas:

Parcel #19
Parcel #12
Parcel #28
Parcel #29
Parcel #30
Parcel #31
Parcel #32
Katherine Terrace
Swale areas covering portions of Parcels #19, #34, and #35

Due to technical difficulties at Parcel #31, gamma readings were logged electronically without GPS coordinates. The following day, GPS coordinates were collected from the survey "start point", which was the street sign for Runnymede Road and Katherine Terrace. These coordinates were assigned to the initial gamma readings collected the previous day. Once the "start point" GPS coordinates were correlated to the initial gamma readings, and knowing the approximate rate of the survey (approximately 0.5 meters per second) and orientation of the survey grid (north-south), the gamma readings were assigned assumed GPS coordinates to verify site coverage.

Parcel's #28 and #29 were not initially surveyed during the week of July 29, 2002 due to "right of entry" restrictions. The radiological scoping surveys for these parcels were performed concurrently with the Dayton Unit III survey, during the week of September 9, 2002.

URS collected a total of 21,053 gamma radiation readings for the entire Dayton Unit IV area. The average gamma radiation reading was 19,635 cpm. The maximum reading was 30,715 cpm and the minimum reading was 11,626 cpm. No readings exceeded twice the average background value; therefore, no additional biased soil sample locations were selected based on the results of this survey (see Figure 1).

On the basis of this radiological scoping survey, no areas were detected onsite with significantly elevated gamma radiation levels. Therefore, the only biased soil samples collected during the next phase of the investigation were those shown in the Field Sampling Plan, based on historical information and/or natural site features (e.g., low-lying areas). Raw data including the GPS coordinates and gamma reading are presented in this appendix.

DAYTON UNIT IV
GAMMA SURVEY RESULTS

LATITUDE	LONGITUDE	GAMMA SURVEY RESULT (cpm)
39.72546	-84.17925	13284
39.72545	-84.17925	13292
39.72544	-84.17925	13237
39.72543	-84.17925	13892
39.72542	-84.17925	13207
39.72541	-84.17925	13813
39.72540	-84.17926	14280
39.72539	-84.17926	14920
39.72538	-84.17926	14018
39.72537	-84.17926	13035
39.72536	-84.17926	12633
39.72535	-84.17927	12094
39.72533	-84.17927	12734
39.72533	-84.17927	12875
39.72531	-84.17927	12497
39.72530	-84.17927	12592
39.72529	-84.17928	12907
39.72528	-84.17928	13915
39.72527	-84.17928	13658
39.72526	-84.17928	13272
39.72525	-84.17929	13296
39.72524	-84.17929	13192
39.72523	-84.17929	13499
39.72522	-84.17929	13415
39.72521	-84.17929	13299
39.72520	-84.17930	14021
39.72519	-84.17930	12744
39.72518	-84.17930	14139
39.72517	-84.17930	15125
39.72516	-84.17931	14492
39.72515	-84.17931	13485
39.72514	-84.17931	15044
39.72513	-84.17931	14532
39.72512	-84.17931	14179
39.72511	-84.17932	13964
39.72510	-84.17932	13605
39.72509	-84.17932	12796

LATITUDE	LONGITUDE	GAMMA SURVEY RESULT (cpm)
39.72550	-84.17949	16127
39.72552	-84.17947	14451
39.72552	-84.17947	15095
39.72550	-84.17948	15015
39.72549	-84.17949	14415
39.72548	-84.17950	15138
39.72547	-84.17951	15418
39.72545	-84.17953	15901
39.72543	-84.17955	15044
39.72542	-84.17956	14857
39.72540	-84.17958	15149
39.72539	-84.17959	15174
39.72538	-84.17961	15222
39.72536	-84.17963	14141
39.72535	-84.17965	14358
39.72534	-84.17967	14585
39.72533	-84.17970	13959
39.72532	-84.17972	13646
39.72531	-84.17974	13634
39.72531	-84.17977	14598
39.72530	-84.17979	15412
39.72529	-84.17981	14859
39.72529	-84.17984	14797
39.72529	-84.17986	14274
39.72528	-84.17988	14812
39.72528	-84.17990	13271
39.72528	-84.17993	14175
39.72528	-84.17995	13458
39.72528	-84.17997	14319
39.72528	-84.17999	13841
39.72528	-84.18001	14814
39.72528	-84.18004	13938
39.72527	-84.18006	13017
39.72527	-84.18008	13649
39.72527	-84.18010	14381
39.72527	-84.18013	13820
39.72526	-84.18015	13979

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72508	-84.17932	12636
39.72507	-84.17932	13609
39.72506	-84.17932	14209
39.72504	-84.17933	14905
39.72504	-84.17933	13711
39.72503	-84.17933	14397
39.72501	-84.17933	14015
39.72501	-84.17934	15770
39.72500	-84.17934	13860
39.72498	-84.17934	13032
39.72497	-84.17934	14051
39.72497	-84.17934	14193
39.72495	-84.17935	13378
39.72494	-84.17935	12546
39.72493	-84.17935	13319
39.72492	-84.17935	12183
39.72491	-84.17936	13219
39.72490	-84.17936	13371
39.72489	-84.17936	13055
39.72488	-84.17936	14453
39.72487	-84.17936	14993
39.72486	-84.17937	13997
39.72485	-84.17937	13465
39.72484	-84.17937	13452
39.72483	-84.17937	12507
39.72546	-84.17926	12148
39.72545	-84.17926	12317
39.72544	-84.17926	13574
39.72543	-84.17926	12431
39.72542	-84.17927	13621
39.72541	-84.17927	14161
39.72540	-84.17927	14499
39.72539	-84.17927	14384
39.72538	-84.17928	14273
39.72537	-84.17928	13430
39.72536	-84.17928	12869
39.72535	-84.17928	12952
39.72534	-84.17928	14598
39.72533	-84.17928	13546
39.72531	-84.17929	15081

39.72526	-84.18017	13365
39.72526	-84.18020	13959
39.72526	-84.18022	13002
39.72526	-84.18025	13689
39.72526	-84.18027	12870
39.72526	-84.18029	12855
39.72525	-84.18032	13161
39.72526	-84.18034	13788
39.72526	-84.18035	13160
39.72526	-84.18035	12411
39.72526	-84.18033	11996
39.72527	-84.18031	13818
39.72527	-84.18028	13678
39.72527	-84.18026	13876
39.72527	-84.18023	13278
39.72527	-84.18021	12568
39.72527	-84.18019	13374
39.72527	-84.18016	12650
39.72527	-84.18014	13035
39.72528	-84.18014	13197
39.72528	-84.18016	13841
39.72529	-84.18018	13329
39.72528	-84.18020	12371
39.72528	-84.18023	12861
39.72528	-84.18025	14234
39.72528	-84.18027	14024
39.72528	-84.18030	13429
39.72528	-84.18032	13618
39.72528	-84.18033	14543
39.72528	-84.18034	14037
39.72528	-84.18032	13881
39.72528	-84.18030	13193
39.72528	-84.18027	13387
39.72529	-84.18025	13242
39.72528	-84.18024	13997
39.72529	-84.18020	13909
39.72529	-84.18017	13125
39.72529	-84.18016	12831
39.72530	-84.18015	13073
39.72528	-84.18015	13691

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72531	-84.17929	14471
39.72530	-84.17929	12916
39.72528	-84.17929	12450
39.72527	-84.17929	13313
39.72526	-84.17930	13544
39.72525	-84.17930	13325
39.72524	-84.17930	12800
39.72523	-84.17930	13445
39.72522	-84.17930	12663
39.72521	-84.17931	13697
39.72520	-84.17931	13622
39.72519	-84.17931	12693
39.72518	-84.17931	12394
39.72517	-84.17932	13170
39.72516	-84.17932	12060
39.72515	-84.17932	12608
39.72514	-84.17932	13273
39.72513	-84.17932	12688
39.72512	-84.17933	12210
39.72511	-84.17933	12849
39.72510	-84.17933	13017
39.72509	-84.17933	12919
39.72508	-84.17934	13338
39.72507	-84.17934	13211
39.72506	-84.17934	14212
39.72505	-84.17934	13768
39.72504	-84.17934	13719
39.72503	-84.17935	13991
39.72502	-84.17935	14815
39.72501	-84.17935	12254
39.72500	-84.17935	12754
39.72499	-84.17935	12977
39.72498	-84.17935	15076
39.72496	-84.17936	15827
39.72495	-84.17936	15773
39.72495	-84.17936	15127
39.72493	-84.17936	14868
39.72492	-84.17937	14966
39.72492	-84.17937	14145
39.72490	-84.17937	15660

39.72528	-84.18017	12758
39.72528	-84.18020	11917
39.72529	-84.18024	12546
39.72530	-84.18026	12314
39.72529	-84.18029	13158
39.72529	-84.18031	13117
39.72529	-84.18033	14220
39.72529	-84.18033	12855
39.72529	-84.18033	13031
39.72530	-84.18031	12739
39.72530	-84.18029	13845
39.72531	-84.18026	14233
39.72531	-84.18023	13239
39.72531	-84.18021	13237
39.72531	-84.18018	14816
39.72531	-84.18018	12980
39.72530	-84.18017	13682
39.72531	-84.18016	13771
39.72532	-84.18017	14661
39.72531	-84.18020	14319
39.72531	-84.18023	14216
39.72530	-84.18026	13640
39.72530	-84.18028	13245
39.72530	-84.18030	12180
39.72529	-84.18031	13178
39.72530	-84.18032	13929
39.72531	-84.18030	13766
39.72531	-84.18028	14061
39.72532	-84.18025	13912
39.72532	-84.18023	13783
39.72532	-84.18021	13409
39.72532	-84.18019	12919
39.72532	-84.18017	13663
39.72531	-84.18018	12935
39.72532	-84.18021	14267
39.72532	-84.18023	14185
39.72532	-84.18026	14412
39.72532	-84.18028	13572
39.72531	-84.18030	13328
39.72532	-84.18029	13738

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72489	-84.17937	15544
39.72488	-84.17937	15452
39.72487	-84.17938	15641
39.72486	-84.17938	15229
39.72485	-84.17938	15262
39.72484	-84.17938	16831
39.72483	-84.17939	16584
39.72482	-84.17939	16000
39.72481	-84.17939	15117
39.72546	-84.17927	15381
39.72545	-84.17927	15901
39.72544	-84.17927	16998
39.72543	-84.17928	16031
39.72542	-84.17928	16003
39.72541	-84.17928	16122
39.72540	-84.17928	16194
39.72539	-84.17929	15805
39.72538	-84.17929	16827
39.72537	-84.17929	16955
39.72536	-84.17929	16167
39.72535	-84.17929	15467
39.72534	-84.17930	16407
39.72533	-84.17930	16279
39.72532	-84.17930	15720
39.72531	-84.17930	16695
39.72530	-84.17931	16907
39.72529	-84.17931	16265
39.72528	-84.17931	16466
39.72526	-84.17931	15487
39.72526	-84.17931	15955
39.72525	-84.17931	15852
39.72523	-84.17932	13700
39.72522	-84.17932	14245
39.72522	-84.17932	13302
39.72520	-84.17932	12779
39.72519	-84.17932	14602
39.72518	-84.17933	15403
39.72517	-84.17933	16226
39.72516	-84.17933	16786
39.72515	-84.17933	15958

39.72532	-84.18028	13416
39.72532	-84.18027	14378
39.72533	-84.18025	14171
39.72532	-84.18024	13403
39.72533	-84.18022	14385
39.72532	-84.18020	13170
39.72532	-84.18020	12994
39.72532	-84.18021	12851
39.72532	-84.18024	14403
39.72532	-84.18027	13996
39.72532	-84.18029	14024
39.72530	-84.18032	12821
39.72529	-84.18034	13353
39.72527	-84.18035	12052
39.72525	-84.18036	12522
39.72523	-84.18036	13191
39.72521	-84.18036	14180
39.72521	-84.18035	13816
39.72521	-84.18032	13307
39.72521	-84.18030	13972
39.72521	-84.18027	14167
39.72521	-84.18025	13599
39.72522	-84.18023	14102
39.72523	-84.18020	13703
39.72522	-84.18018	12464
39.72522	-84.18016	13635
39.72522	-84.18013	13085
39.72523	-84.18011	13078
39.72522	-84.18009	12783
39.72522	-84.18009	12967
39.72522	-84.18011	13666
39.72521	-84.18014	13215
39.72521	-84.18017	14000
39.72521	-84.18019	13843
39.72521	-84.18022	14468
39.72521	-84.18025	13372
39.72521	-84.18028	14882
39.72521	-84.18030	13460
39.72520	-84.18033	12529
39.72520	-84.18034	13215

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72514	-84.17933	16784
39.72513	-84.17934	16130
39.72512	-84.17934	16832
39.72511	-84.17934	17880
39.72510	-84.17934	18634
39.72509	-84.17935	16979
39.72508	-84.17935	17874
39.72507	-84.17935	18174
39.72506	-84.17935	18642
39.72505	-84.17935	18511
39.72504	-84.17936	18308
39.72503	-84.17936	19057
39.72502	-84.17936	17991
39.72501	-84.17936	17294
39.72500	-84.17937	18700
39.72499	-84.17937	18081
39.72498	-84.17937	19120
39.72497	-84.17937	17662
39.72496	-84.17937	16887
39.72495	-84.17938	17234
39.72494	-84.17938	16351
39.72493	-84.17938	16810
39.72492	-84.17938	18020
39.72490	-84.17938	17141
39.72490	-84.17938	17629
39.72488	-84.17939	18550
39.72487	-84.17939	19650
39.72486	-84.17939	20490
39.72485	-84.17939	19266
39.72484	-84.17940	18489
39.72483	-84.17940	19324
39.72482	-84.17940	20704
39.72481	-84.17940	19943
39.72480	-84.17940	20020
39.72479	-84.17941	19952
39.72546	-84.17928	20805
39.72545	-84.17928	21759
39.72544	-84.17929	21893
39.72543	-84.17929	20120
39.72542	-84.17929	18584

39.72520	-84.18035	13642
39.72519	-84.18033	14718
39.72519	-84.18030	14435
39.72520	-84.18028	14154
39.72520	-84.18025	14122
39.72520	-84.18023	13398
39.72520	-84.18020	12740
39.72521	-84.18018	12658
39.72520	-84.18016	13115
39.72520	-84.18016	13810
39.72520	-84.18018	13342
39.72520	-84.18020	13058
39.72519	-84.18023	13068
39.72519	-84.18026	13789
39.72519	-84.18028	13593
39.72519	-84.18031	13131
39.72519	-84.18033	13490
39.72519	-84.18034	15156
39.72518	-84.18034	15315
39.72518	-84.18033	14540
39.72518	-84.18031	13282
39.72518	-84.18028	13533
39.72518	-84.18025	14441
39.72518	-84.18023	13354
39.72518	-84.18020	12859
39.72520	-84.18018	13222
39.72520	-84.18015	14044
39.72519	-84.18014	12428
39.72519	-84.18014	12975
39.72518	-84.18015	13791
39.72518	-84.18018	13604
39.72518	-84.18021	14229
39.72517	-84.18023	14813
39.72517	-84.18025	13677
39.72516	-84.18028	13943
39.72517	-84.18031	14858
39.72517	-84.18032	15464
39.72516	-84.18032	14753
39.72516	-84.18031	13776
39.72516	-84.18029	14142

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72541	-84.17929	19402
39.72540	-84.17930	18940
39.72539	-84.17930	17479
39.72538	-84.17930	18179
39.72537	-84.17930	17762
39.72536	-84.17930	17895
39.72535	-84.17931	18356
39.72534	-84.17931	17510
39.72533	-84.17931	18799
39.72532	-84.17931	19278
39.72531	-84.17932	18297
39.72530	-84.17932	17290
39.72529	-84.17932	17798
39.72528	-84.17932	17617
39.72527	-84.17932	16266
39.72526	-84.17933	17491
39.72525	-84.17933	18026
39.72524	-84.17933	17559
39.72523	-84.17933	17609
39.72522	-84.17934	17349
39.72521	-84.17934	17074
39.72520	-84.17934	17807
39.72518	-84.17934	17542
39.72517	-84.17934	17183
39.72517	-84.17935	16711
39.72515	-84.17935	18417
39.72514	-84.17935	18704
39.72513	-84.17935	18043
39.72512	-84.17935	18307
39.72511	-84.17935	17651
39.72510	-84.17936	17734
39.72509	-84.17936	19113
39.72508	-84.17936	19834
39.72507	-84.17936	20088
39.72506	-84.17937	19176
39.72505	-84.17937	18425
39.72504	-84.17937	19817
39.72503	-84.17937	19262
39.72502	-84.17937	18910
39.72501	-84.17938	18011

39.72516	-84.18026	14208
39.72516	-84.18024	14691
39.72516	-84.18021	13636
39.72516	-84.18019	12712
39.72517	-84.18017	12915
39.72516	-84.18016	13587
39.72517	-84.18015	14238
39.72516	-84.18016	13469
39.72516	-84.18016	12756
39.72515	-84.18016	12718
39.72515	-84.18018	12746
39.72515	-84.18021	14136
39.72515	-84.18023	14244
39.72515	-84.18026	12766
39.72515	-84.18029	13654
39.72515	-84.18030	13499
39.72515	-84.18030	14131
39.72515	-84.18029	13824
39.72514	-84.18027	13594
39.72514	-84.18024	14922
39.72514	-84.18022	13281
39.72515	-84.18020	13135
39.72515	-84.18019	13114
39.72516	-84.18019	12950
39.72515	-84.18020	12879
39.72515	-84.18022	12309
39.72514	-84.18025	13687
39.72514	-84.18027	13722
39.72514	-84.18027	14095
39.72514	-84.18024	13645
39.72514	-84.18022	14134
39.72514	-84.18021	12734
39.72515	-84.18020	12431
39.72515	-84.18019	12256
39.72515	-84.18017	12318
39.72515	-84.18018	13945
39.72515	-84.18018	13420
39.72515	-84.18019	12937
39.72515	-84.18019	12773
39.72515	-84.18018	13030

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72500	-84.17938	18886
39.72499	-84.17938	18168
39.72498	-84.17938	19485
39.72497	-84.17938	19761
39.72496	-84.17939	20902
39.72495	-84.17939	20876
39.72494	-84.17939	22188
39.72493	-84.17939	23155
39.72492	-84.17940	21872
39.72491	-84.17940	22001
39.72490	-84.17940	20399
39.72489	-84.17940	19953
39.72488	-84.17940	20543
39.72487	-84.17941	21129
39.72485	-84.17941	22038
39.72485	-84.17941	21957
39.72484	-84.17941	22091
39.72482	-84.17942	21241
39.72481	-84.17941	21260
39.72480	-84.17942	21025
39.72479	-84.17942	21936
39.72478	-84.17942	21268
39.72477	-84.17942	20645
39.72547	-84.17930	22168
39.72545	-84.17930	21813
39.72544	-84.17930	21601
39.72544	-84.17931	22166
39.72542	-84.17931	21155
39.72541	-84.17931	21712
39.72540	-84.17931	20610
39.72539	-84.17931	21243
39.72538	-84.17931	20314
39.72537	-84.17931	21631
39.72536	-84.17932	22131
39.72535	-84.17932	21809
39.72534	-84.17932	21694
39.72533	-84.17932	21889
39.72532	-84.17933	21969
39.72531	-84.17933	21488
39.72530	-84.17933	21000

39.72514	-84.18020	12563
39.72514	-84.18020	12567
39.72515	-84.18021	13035
39.72514	-84.18022	12590
39.72514	-84.18023	13411
39.72515	-84.18022	14115
39.72516	-84.18022	12892
39.72517	-84.18024	12536
39.72517	-84.18024	12663
39.72518	-84.18022	13368
39.72519	-84.18020	13693
39.72520	-84.18018	13529
39.72520	-84.18016	14135
39.72521	-84.18013	14003
39.72521	-84.18013	13230
39.72521	-84.18015	13232
39.72521	-84.18017	14405
39.72521	-84.18015	13701
39.72521	-84.18012	12477
39.72521	-84.18010	12133
39.72520	-84.18010	12142
39.72520	-84.18010	15692
39.72520	-84.18010	15723
39.72520	-84.18010	15750
39.72520	-84.18010	16320
39.72519	-84.18010	16966
39.72519	-84.18010	16991
39.72519	-84.18010	17159
39.72519	-84.18010	18080
39.72519	-84.18010	15977
39.72519	-84.18010	15455
39.72519	-84.18010	14958
39.72519	-84.18010	15650
39.72519	-84.18010	15786
39.72519	-84.18010	16351
39.72519	-84.18010	16094
39.72519	-84.18010	15900
39.72519	-84.18010	16462
39.72519	-84.18010	15609
39.72519	-84.18010	15671

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72529	-84.17933	19853
39.72528	-84.17933	20110
39.72527	-84.17934	20848
39.72526	-84.17934	19457
39.72525	-84.17934	19971
39.72524	-84.17934	19325
39.72523	-84.17935	18936
39.72522	-84.17935	17718
39.72521	-84.17935	19060
39.72520	-84.17935	17001
39.72519	-84.17935	16052
39.72518	-84.17936	17465
39.72517	-84.17936	18927
39.72516	-84.17936	17774
39.72515	-84.17936	17717
39.72513	-84.17937	19217
39.72512	-84.17937	19755
39.72512	-84.17937	20851
39.72510	-84.17937	19876
39.72509	-84.17937	19172
39.72508	-84.17938	18282
39.72507	-84.17938	18407
39.72506	-84.17938	17438
39.72505	-84.17938	14613
39.72504	-84.17938	14744
39.72503	-84.17938	13301
39.72502	-84.17939	14096
39.72501	-84.17939	16121
39.72500	-84.17939	18259
39.72499	-84.17939	16399
39.72498	-84.17940	16260
39.72497	-84.17940	17010
39.72496	-84.17940	17790
39.72495	-84.17940	17587
39.72494	-84.17940	16478
39.72493	-84.17941	16833
39.72492	-84.17941	16585
39.72491	-84.17941	16660
39.72490	-84.17941	16271
39.72489	-84.17941	15831

39.72519	-84.18010	17252
39.72519	-84.18010	16884
39.72519	-84.18010	16282
39.72544	-84.17948	13572
39.72544	-84.17948	14123
39.72552	-84.17946	15590
39.72552	-84.17946	15684
39.72552	-84.17946	15915
39.72552	-84.17946	16481
39.72552	-84.17945	15879
39.72553	-84.17944	15974
39.72554	-84.17943	15664
39.72555	-84.17941	16090
39.72557	-84.17941	15090
39.72558	-84.17940	14798
39.72559	-84.17938	15686
39.72560	-84.17936	15869
39.72561	-84.17936	15876
39.72562	-84.17935	16950
39.72563	-84.17935	16057
39.72564	-84.17934	15645
39.72565	-84.17932	15704
39.72566	-84.17932	15310
39.72567	-84.17931	14478
39.72567	-84.17931	14542
39.72566	-84.17930	14542
39.72566	-84.17932	14685
39.72565	-84.17932	14182
39.72564	-84.17933	14485
39.72562	-84.17934	14575
39.72561	-84.17935	14510
39.72560	-84.17936	15013
39.72559	-84.17937	14513
39.72558	-84.17938	14749
39.72556	-84.17940	16304
39.72555	-84.17941	14610
39.72554	-84.17942	14362
39.72553	-84.17943	15087
39.72552	-84.17945	15166
39.72552	-84.17946	14838

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72488	-84.17942	16729
39.72487	-84.17942	14260
39.72486	-84.17942	14893
39.72485	-84.17942	13380
39.72484	-84.17943	13667
39.72483	-84.17943	12753
39.72482	-84.17943	14318
39.72480	-84.17943	13698
39.72480	-84.17943	14448
39.72479	-84.17944	14017
39.72477	-84.17944	15973
39.72476	-84.17944	17112
39.72475	-84.17944	17600
39.72547	-84.17931	15569
39.72546	-84.17931	16139
39.72545	-84.17932	13918
39.72543	-84.17932	13573
39.72543	-84.17932	14551
39.72542	-84.17932	14490
39.72540	-84.17932	16659
39.72539	-84.17933	16389
39.72539	-84.17933	17104
39.72537	-84.17933	17262
39.72536	-84.17933	18114
39.72535	-84.17934	18484
39.72534	-84.17934	18653
39.72533	-84.17934	17826
39.72532	-84.17934	17597
39.72531	-84.17934	16961
39.72530	-84.17934	17440
39.72529	-84.17934	17521
39.72528	-84.17935	16928
39.72527	-84.17935	15963
39.72526	-84.17935	14714
39.72525	-84.17935	14415
39.72524	-84.17936	15064
39.72523	-84.17936	17019
39.72522	-84.17936	18888
39.72521	-84.17936	19010
39.72520	-84.17936	19344

39.72551	-84.17945	14167
39.72551	-84.17944	14366
39.72552	-84.17943	14045
39.72553	-84.17942	14901
39.72555	-84.17941	14034
39.72556	-84.17940	13885
39.72557	-84.17939	14445
39.72558	-84.17938	14516
39.72559	-84.17936	15800
39.72560	-84.17935	15787
39.72561	-84.17934	15125
39.72563	-84.17933	15142
39.72564	-84.17932	15056
39.72565	-84.17932	14965
39.72565	-84.17931	15660
39.72565	-84.17931	15059
39.72564	-84.17931	14198
39.72563	-84.17932	13341
39.72563	-84.17932	14197
39.72562	-84.17932	13842
39.72562	-84.17933	13723
39.72560	-84.17934	14110
39.72559	-84.17935	14268
39.72558	-84.17936	13567
39.72556	-84.17937	13714
39.72555	-84.17938	14003
39.72554	-84.17940	14138
39.72553	-84.17941	13941
39.72552	-84.17942	14757
39.72552	-84.17942	14598
39.72552	-84.17942	14310
39.72552	-84.17943	14180
39.72551	-84.17943	14433
39.72551	-84.17942	14216
39.72553	-84.17941	13457
39.72554	-84.17940	13740
39.72555	-84.17938	14042
39.72556	-84.17937	13991
39.72557	-84.17936	14172
39.72559	-84.17934	13990

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72519	-84.17937	20219
39.72518	-84.17937	20235
39.72517	-84.17937	18932
39.72516	-84.17937	18465
39.72515	-84.17938	18336
39.72514	-84.17938	18562
39.72513	-84.17938	17859
39.72512	-84.17938	17219
39.72511	-84.17938	18270
39.72510	-84.17939	19365
39.72509	-84.17939	20092
39.72507	-84.17939	19498
39.72507	-84.17939	20008
39.72505	-84.17940	21552
39.72504	-84.17940	21221
39.72503	-84.17940	20608
39.72502	-84.17940	21571
39.72501	-84.17940	20987
39.72500	-84.17941	20857
39.72499	-84.17941	21608
39.72498	-84.17941	21791
39.72497	-84.17941	20825
39.72496	-84.17941	21535
39.72495	-84.17941	22897
39.72494	-84.17942	22156
39.72493	-84.17942	22143
39.72492	-84.17942	20981
39.72491	-84.17942	22621
39.72490	-84.17943	22576
39.72489	-84.17943	22894
39.72488	-84.17943	23500
39.72487	-84.17943	22109
39.72486	-84.17943	22139
39.72485	-84.17944	21519
39.72484	-84.17944	21079
39.72483	-84.17944	21513
39.72482	-84.17944	21549
39.72481	-84.17944	20830
39.72480	-84.17945	20311
39.72479	-84.17945	19635

39.72560	-84.17933	14927
39.72561	-84.17932	13662
39.72563	-84.17931	14189
39.72563	-84.17930	14570
39.72563	-84.17929	14645
39.72562	-84.17930	14154
39.72561	-84.17931	13790
39.72560	-84.17932	13959
39.72559	-84.17933	14441
39.72558	-84.17935	14401
39.72556	-84.17936	13413
39.72555	-84.17937	14264
39.72554	-84.17939	14025
39.72553	-84.17940	13986
39.72552	-84.17941	13209
39.72550	-84.17943	13672
39.72550	-84.17943	14060
39.72550	-84.17942	14490
39.72551	-84.17941	13938
39.72552	-84.17939	14935
39.72553	-84.17938	13780
39.72555	-84.17936	14157
39.72556	-84.17935	14375
39.72557	-84.17934	14883
39.72559	-84.17932	14623
39.72560	-84.17931	14522
39.72561	-84.17930	13507
39.72562	-84.17929	13927
39.72561	-84.17929	13949
39.72560	-84.17930	15041
39.72559	-84.17931	14926
39.72558	-84.17933	14585
39.72557	-84.17934	15383
39.72555	-84.17935	13762
39.72554	-84.17936	14480
39.72553	-84.17938	13340
39.72551	-84.17939	14768
39.72550	-84.17941	14076
39.72549	-84.17942	15239
39.72549	-84.17941	14894

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72478	-84.17945	19487
39.72477	-84.17945	20687
39.72475	-84.17946	19354
39.72475	-84.17946	19491
39.72474	-84.17946	20460
39.72547	-84.17932	20445
39.72546	-84.17933	20850
39.72545	-84.17933	21217
39.72544	-84.17933	20181
39.72543	-84.17933	20456
39.72542	-84.17933	20833
39.72541	-84.17934	19685
39.72540	-84.17934	21788
39.72539	-84.17934	22046
39.72537	-84.17934	21900
39.72537	-84.17935	21910
39.72535	-84.17935	22291
39.72534	-84.17935	21303
39.72533	-84.17935	22623
39.72532	-84.17935	22737
39.72531	-84.17936	23250
39.72530	-84.17936	21896
39.72529	-84.17936	22957
39.72528	-84.17936	21737
39.72527	-84.17937	21819
39.72526	-84.17937	21964
39.72525	-84.17937	20968
39.72524	-84.17937	22165
39.72523	-84.17937	21208
39.72522	-84.17937	20686
39.72521	-84.17938	21278
39.72520	-84.17938	20276
39.72519	-84.17938	20252
39.72518	-84.17938	19775
39.72517	-84.17938	18825
39.72516	-84.17939	18977
39.72515	-84.17939	19496
39.72514	-84.17939	19444
39.72513	-84.17939	19906
39.72512	-84.17939	19052

39.72550	-84.17939	14319
39.72551	-84.17937	14519
39.72552	-84.17936	13940
39.72554	-84.17935	14410
39.72555	-84.17934	13455
39.72556	-84.17932	13390
39.72557	-84.17931	14030
39.72559	-84.17929	14669
39.72560	-84.17928	14143
39.72559	-84.17928	13406
39.72558	-84.17930	14197
39.72557	-84.17931	13948
39.72555	-84.17932	14993
39.72554	-84.17933	13776
39.72553	-84.17935	14996
39.72551	-84.17937	14450
39.72550	-84.17939	14159
39.72549	-84.17940	13620
39.72549	-84.17939	13595
39.72549	-84.17938	14722
39.72550	-84.17935	14942
39.72551	-84.17934	14821
39.72553	-84.17933	15458
39.72554	-84.17932	14692
39.72555	-84.17930	15463
39.72557	-84.17929	14438
39.72558	-84.17928	14638
39.72557	-84.17927	13522
39.72556	-84.17927	12757
39.72555	-84.17930	13435
39.72554	-84.17931	14128
39.72553	-84.17932	14520
39.72551	-84.17934	14752
39.72550	-84.17935	14602
39.72549	-84.17937	14054
39.72548	-84.17939	14062
39.72547	-84.17938	13061
39.72548	-84.17937	13776
39.72549	-84.17935	14594
39.72550	-84.17934	13806

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72511	-84.17940	18921
39.72510	-84.17940	18392
39.72509	-84.17940	19291
39.72508	-84.17940	17986
39.72507	-84.17941	17399
39.72505	-84.17941	15949
39.72505	-84.17941	13725
39.72504	-84.17941	14396
39.72502	-84.17941	14589
39.72501	-84.17942	15299
39.72501	-84.17942	16780
39.72499	-84.17942	19376
39.72498	-84.17942	17698
39.72497	-84.17943	17448
39.72496	-84.17943	16785
39.72495	-84.17943	17670
39.72494	-84.17943	17819
39.72493	-84.17943	18241
39.72492	-84.17944	17476
39.72491	-84.17944	16038
39.72490	-84.17944	14858
39.72489	-84.17944	14558
39.72488	-84.17944	13968
39.72487	-84.17944	17520
39.72486	-84.17945	16465
39.72485	-84.17945	16623
39.72484	-84.17945	15909
39.72483	-84.17945	17845
39.72482	-84.17946	18907
39.72481	-84.17946	18560
39.72480	-84.17946	17532
39.72479	-84.17946	19327
39.72478	-84.17946	18221
39.72477	-84.17947	15765
39.72476	-84.17947	15110
39.72475	-84.17947	13992
39.72474	-84.17947	13920
39.72473	-84.17948	14882
39.72472	-84.17948	16132
39.72547	-84.17934	17301

39.72551	-84.17933	15853
39.72552	-84.17932	13941
39.72554	-84.17930	14135
39.72555	-84.17929	14617
39.72556	-84.17927	14966
39.72556	-84.17927	13406
39.72555	-84.17928	12981
39.72553	-84.17929	13220
39.72552	-84.17930	15115
39.72551	-84.17932	14578
39.72549	-84.17934	14850
39.72548	-84.17935	15014
39.72547	-84.17937	14159
39.72547	-84.17938	13672
39.72547	-84.17937	14698
39.72548	-84.17934	14058
39.72549	-84.17932	14899
39.72551	-84.17931	15112
39.72552	-84.17929	14418
39.72553	-84.17928	13169
39.72554	-84.17927	13624
39.72554	-84.17926	13128
39.72553	-84.17928	13169
39.72552	-84.17929	14326
39.72550	-84.17931	14762
39.72549	-84.17932	13870
39.72547	-84.17934	15323
39.72547	-84.17935	15452
39.72547	-84.17934	14136
39.72546	-84.17935	13873
39.72547	-84.17933	14531
39.72548	-84.17932	14722
39.72549	-84.17930	13885
39.72551	-84.17929	14204
39.72552	-84.17927	13894
39.72552	-84.17926	13209
39.72551	-84.17927	13248
39.72550	-84.17929	12683
39.72549	-84.17931	13561
39.72548	-84.17933	13334

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72546	-84.17934	19017
39.72545	-84.17934	19293
39.72544	-84.17934	20258
39.72543	-84.17934	19533
39.72542	-84.17935	19799
39.72541	-84.17935	19574
39.72540	-84.17935	19851
39.72539	-84.17935	18834
39.72538	-84.17936	18325
39.72537	-84.17936	18237
39.72536	-84.17936	19695
39.72535	-84.17936	19921
39.72534	-84.17936	20573
39.72532	-84.17937	20883
39.72532	-84.17937	20808
39.72531	-84.17937	21510
39.72529	-84.17937	21570
39.72528	-84.17938	21993
39.72527	-84.17938	21495
39.72526	-84.17938	20124
39.72525	-84.17938	22644
39.72524	-84.17938	22424
39.72523	-84.17939	21027
39.72522	-84.17939	22371
39.72521	-84.17939	22439
39.72520	-84.17939	23489
39.72519	-84.17940	22401
39.72518	-84.17940	23681
39.72517	-84.17940	22720
39.72516	-84.17940	24136
39.72515	-84.17940	22369
39.72514	-84.17940	21981
39.72513	-84.17941	21409
39.72512	-84.17941	20537
39.72511	-84.17941	19807
39.72510	-84.17941	20265
39.72509	-84.17941	21314
39.72508	-84.17942	20870
39.72507	-84.17942	20535
39.72506	-84.17942	19996

39.72547	-84.17934	15558
39.72547	-84.17934	15453
39.72546	-84.17933	14807
39.72546	-84.17933	15071
39.72547	-84.17933	14647
39.72547	-84.17931	14038
39.72549	-84.17929	15110
39.72550	-84.17928	14607
39.72550	-84.17926	13297
39.72550	-84.17927	14035
39.72548	-84.17928	13692
39.72548	-84.17930	14622
39.72547	-84.17932	13785
39.72546	-84.17931	13636
39.72546	-84.17931	14488
39.72546	-84.17931	12960
39.72546	-84.17930	15096
39.72548	-84.17928	15092
39.72549	-84.17926	13638
39.72548	-84.17926	13354
39.72548	-84.17927	13886
39.72547	-84.17928	13446
39.72546	-84.17930	14543
39.72546	-84.17931	13620
39.72545	-84.17931	13665
39.72545	-84.17929	13491
39.72546	-84.17928	13041
39.72547	-84.17927	13630
39.72547	-84.17926	13902
39.72546	-84.17927	13945
39.72545	-84.17929	13734
39.72545	-84.17930	13354
39.72544	-84.17929	14140
39.72545	-84.17928	13049
39.72545	-84.17926	13618
39.72545	-84.17926	12910
39.72545	-84.17927	13291
39.72544	-84.17929	14001
39.72544	-84.17928	13672
39.72544	-84.17927	13605

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72505	-84.17942	21780
39.72504	-84.17942	22016
39.72503	-84.17943	21481
39.72502	-84.17943	19854
39.72500	-84.17943	20000
39.72500	-84.17943	21875
39.72499	-84.17944	23070
39.72497	-84.17944	23133
39.72496	-84.17944	24026
39.72496	-84.17944	22889
39.72494	-84.17944	23283
39.72493	-84.17945	23266
39.72492	-84.17945	22972
39.72491	-84.17945	23760
39.72490	-84.17945	22805
39.72489	-84.17946	21623
39.72488	-84.17946	22230
39.72487	-84.17946	23057
39.72486	-84.17946	21335
39.72485	-84.17946	20458
39.72484	-84.17947	20362
39.72483	-84.17947	20875
39.72482	-84.17947	20709
39.72481	-84.17947	21579
39.72480	-84.17947	21403
39.72479	-84.17947	20613
39.72478	-84.17948	21316
39.72477	-84.17948	20919
39.72476	-84.17948	21249
39.72475	-84.17948	21450
39.72474	-84.17949	22181
39.72473	-84.17949	21613
39.72472	-84.17949	19790
39.72471	-84.17949	18707
39.72470	-84.17949	20122
39.72469	-84.17950	22207
39.72547	-84.17935	22434
39.72546	-84.17935	22471
39.72545	-84.17936	23130
39.72544	-84.17936	23545

39.72543	-84.17926	13454
39.72543	-84.17927	14494
39.72543	-84.17928	14132
39.72542	-84.17928	14407
39.72542	-84.17927	16464
39.72541	-84.17927	14989
39.72543	-84.17927	14279
39.72543	-84.17927	14050
39.72543	-84.17927	13852
39.72543	-84.17926	13100
39.72543	-84.17926	14026
39.72441	-84.17985	16292
39.72441	-84.17985	16000
39.72441	-84.17985	14966
39.72441	-84.17985	15084
39.72441	-84.17985	15463
39.72441	-84.17985	14985
39.72441	-84.17985	14887
39.72441	-84.17985	15803
39.72441	-84.17985	15603
39.72441	-84.17985	14714
39.72441	-84.17985	15627
39.72441	-84.17985	14661
39.72441	-84.17985	14536
39.72441	-84.17985	14428
39.72441	-84.17985	13440
39.72441	-84.17985	15120
39.72441	-84.17985	14609
39.72441	-84.17985	13955
39.72441	-84.17985	14490
39.72441	-84.17985	14541
39.72441	-84.17985	16278
39.72441	-84.17985	15190
39.72441	-84.17985	15475
39.72441	-84.17985	14723
39.72441	-84.17985	14811
39.72441	-84.17985	14960
39.72441	-84.17985	14469
39.72442	-84.17984	14656
39.72442	-84.17984	14724

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72543	-84.17936	22252
39.72542	-84.17936	24017
39.72541	-84.17936	23084
39.72540	-84.17936	22140
39.72539	-84.17937	22295
39.72538	-84.17937	22617
39.72537	-84.17937	21377
39.72536	-84.17937	20636
39.72535	-84.17937	19886
39.72534	-84.17938	20912
39.72533	-84.17938	20700
39.72532	-84.17938	20865
39.72531	-84.17938	21188
39.72530	-84.17939	22260
39.72529	-84.17939	21102
39.72527	-84.17939	21201
39.72527	-84.17939	20881
39.72526	-84.17939	22061
39.72524	-84.17940	22817
39.72523	-84.17940	23278
39.72523	-84.17940	22584
39.72521	-84.17940	22810
39.72520	-84.17941	21399
39.72519	-84.17941	20992
39.72518	-84.17941	21881
39.72517	-84.17941	23871
39.72516	-84.17941	22535
39.72515	-84.17942	21863
39.72514	-84.17942	19878
39.72513	-84.17942	20051
39.72512	-84.17942	20574
39.72511	-84.17943	20973
39.72510	-84.17943	20113
39.72509	-84.17943	20086
39.72508	-84.17943	20761
39.72507	-84.17943	20906
39.72506	-84.17943	21810
39.72505	-84.17944	20866
39.72504	-84.17944	20139
39.72503	-84.17944	20763

39.72442	-84.17984	13904
39.72443	-84.17983	15042
39.72442	-84.17983	14500
39.72442	-84.17984	13810
39.72442	-84.17984	13471
39.72442	-84.17984	14415
39.72438	-84.17987	15129
39.72438	-84.17987	14611
39.72438	-84.17987	15088
39.72438	-84.17988	14946
39.72439	-84.17988	14297
39.72439	-84.17987	14584
39.72440	-84.17987	15426
39.72440	-84.17986	14775
39.72441	-84.17985	15190
39.72441	-84.17984	14421
39.72442	-84.17984	14760
39.72442	-84.17984	14635
39.72442	-84.17985	15451
39.72441	-84.17986	15010
39.72440	-84.17986	14301
39.72440	-84.17986	14582
39.72440	-84.17986	14570
39.72440	-84.17987	13925
39.72440	-84.17987	14293
39.72441	-84.17987	13203
39.72441	-84.17986	14224
39.72442	-84.17985	14196
39.72443	-84.17985	14409
39.72443	-84.17985	15220
39.72441	-84.17988	15435
39.72440	-84.17989	14738
39.72440	-84.17989	14557
39.72441	-84.17989	14519
39.72442	-84.17988	14068
39.72443	-84.17988	14009
39.72443	-84.17988	14201
39.72443	-84.17988	15305
39.72442	-84.17991	17406
39.72442	-84.17991	18428

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72502	-84.17944	20867
39.72501	-84.17944	22232
39.72500	-84.17945	22746
39.72499	-84.17945	22907
39.72498	-84.17945	22196
39.72497	-84.17945	23241
39.72496	-84.17945	23535
39.72495	-84.17946	22432
39.72494	-84.17946	22021
39.72492	-84.17946	23179
39.72491	-84.17946	23336
39.72491	-84.17947	22464
39.72489	-84.17947	21988
39.72488	-84.17947	21647
39.72487	-84.17947	21638
39.72486	-84.17947	21041
39.72485	-84.17948	21502
39.72484	-84.17948	21209
39.72483	-84.17948	21499
39.72482	-84.17948	20920
39.72481	-84.17949	20472
39.72480	-84.17949	21189
39.72479	-84.17949	22319
39.72478	-84.17949	22933
39.72477	-84.17949	22935
39.72476	-84.17950	23290
39.72475	-84.17950	23567
39.72474	-84.17950	23382
39.72473	-84.17950	23038
39.72472	-84.17950	23570
39.72471	-84.17950	22374
39.72470	-84.17951	21915
39.72547	-84.17936	22562
39.72546	-84.17937	21738
39.72545	-84.17937	22112
39.72544	-84.17937	22545
39.72543	-84.17937	21479
39.72542	-84.17938	20904
39.72541	-84.17938	21496
39.72540	-84.17938	21280

39.72443	-84.17992	18314
39.72443	-84.17992	16996
39.72443	-84.17992	18119
39.72443	-84.17994	17991
39.72443	-84.17994	18410
39.72443	-84.17994	18368
39.72446	-84.17994	17962
39.72446	-84.17994	18949
39.72446	-84.17994	18132
39.72446	-84.17994	17563
39.72446	-84.17994	17770
39.72447	-84.17996	18353
39.72447	-84.17996	17451
39.72448	-84.17997	17611
39.72448	-84.17997	17632
39.72448	-84.17998	17046
39.72449	-84.17999	17694
39.72450	-84.18000	18009
39.72450	-84.18000	17509
39.72450	-84.18001	17726
39.72451	-84.18001	17722
39.72451	-84.18001	17026
39.72451	-84.18001	17263
39.72455	-84.18006	16419
39.72455	-84.18006	17496
39.72455	-84.18007	17100
39.72456	-84.18008	17104
39.72456	-84.18008	17142
39.72456	-84.18009	18471
39.72457	-84.18010	18485
39.72458	-84.18011	18108
39.72458	-84.18012	17935
39.72459	-84.18013	18684
39.72460	-84.18014	18087
39.72460	-84.18014	18063
39.72461	-84.18015	17921
39.72462	-84.18016	19452
39.72463	-84.18017	18735
39.72464	-84.18018	19807
39.72464	-84.18019	20122

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72539	-84.17938	22180
39.72538	-84.17938	20823
39.72537	-84.17939	20476
39.72536	-84.17939	20893
39.72535	-84.17939	20531
39.72534	-84.17939	19488
39.72533	-84.17939	19342
39.72532	-84.17939	20404
39.72531	-84.17940	19788
39.72530	-84.17940	19946
39.72529	-84.17940	19772
39.72528	-84.17940	20635
39.72527	-84.17940	20737
39.72526	-84.17941	22752
39.72525	-84.17941	22938
39.72524	-84.17941	23144
39.72522	-84.17941	23010
39.72522	-84.17942	21945
39.72521	-84.17942	22033
39.72519	-84.17942	22138
39.72518	-84.17942	23101
39.72518	-84.17942	21324
39.72516	-84.17943	23659
39.72515	-84.17943	23351
39.72514	-84.17943	22758
39.72513	-84.17943	22184
39.72512	-84.17944	22908
39.72511	-84.17944	22099
39.72510	-84.17944	20962
39.72509	-84.17944	20144
39.72508	-84.17944	20605
39.72507	-84.17945	19646
39.72506	-84.17945	19845
39.72505	-84.17945	19855
39.72504	-84.17945	20380
39.72503	-84.17946	19987
39.72502	-84.17946	20101
39.72501	-84.17946	20527
39.72500	-84.17946	20344
39.72499	-84.17946	20049

39.72464	-84.18018	20193
39.72464	-84.18019	19509
39.72465	-84.18020	19635
39.72465	-84.18022	20459
39.72466	-84.18023	20635
39.72467	-84.18024	20766
39.72467	-84.18025	21054
39.72468	-84.18027	20707
39.72469	-84.18028	19763
39.72469	-84.18028	19040
39.72470	-84.18030	18013
39.72471	-84.18031	17923
39.72472	-84.18032	18017
39.72472	-84.18033	16931
39.72473	-84.18034	17061
39.72474	-84.18035	17190
39.72474	-84.18036	16408
39.72473	-84.18036	15611
39.72473	-84.18035	15228
39.72472	-84.18034	15179
39.72471	-84.18032	16110
39.72470	-84.18031	15855
39.72469	-84.18030	16231
39.72468	-84.18028	16798
39.72468	-84.18027	16854
39.72467	-84.18026	18742
39.72466	-84.18024	17885
39.72465	-84.18023	17329
39.72465	-84.18021	17488
39.72464	-84.18020	18431
39.72463	-84.18019	17613
39.72462	-84.18018	16764
39.72461	-84.18016	15638
39.72460	-84.18016	14888
39.72459	-84.18015	14929
39.72458	-84.18013	14366
39.72457	-84.18012	14910
39.72456	-84.18011	16305
39.72455	-84.18009	15953
39.72454	-84.18008	14856

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72498	-84.17946	20326
39.72497	-84.17947	19849
39.72496	-84.17947	22271
39.72495	-84.17947	22259
39.72494	-84.17947	21220
39.72493	-84.17947	21832
39.72492	-84.17948	22699
39.72491	-84.17948	22101
39.72490	-84.17948	21940
39.72489	-84.17948	21097
39.72488	-84.17949	20976
39.72486	-84.17949	20684
39.72486	-84.17949	20364
39.72484	-84.17949	20735
39.72483	-84.17949	20394
39.72482	-84.17950	20924
39.72481	-84.17950	20791
39.72480	-84.17950	19509
39.72479	-84.17950	20115
39.72478	-84.17950	20689
39.72477	-84.17951	21325
39.72476	-84.17951	21258
39.72475	-84.17951	19184
39.72474	-84.17951	20500
39.72473	-84.17952	19647
39.72472	-84.17952	20295
39.72471	-84.17952	20768
39.72545	-84.17938	20550
39.72544	-84.17938	19938
39.72543	-84.17939	19193
39.72542	-84.17939	19159
39.72541	-84.17939	20510
39.72540	-84.17939	20355
39.72539	-84.17939	19997
39.72538	-84.17940	20674
39.72537	-84.17940	20663
39.72536	-84.17940	20277
39.72535	-84.17940	20414
39.72534	-84.17941	20397
39.72533	-84.17941	20590

39.72453	-84.18006	15169
39.72452	-84.18005	14645
39.72451	-84.18004	16110
39.72451	-84.18004	16103
39.72449	-84.18001	14763
39.72448	-84.17999	16064
39.72447	-84.17998	14942
39.72446	-84.17997	15909
39.72445	-84.17996	16276
39.72445	-84.17996	15067
39.72445	-84.17996	15154
39.72443	-84.17996	15001
39.72443	-84.17996	15756
39.72443	-84.17996	14474
39.72444	-84.17996	15783
39.72444	-84.17995	15750
39.72444	-84.17995	15756
39.72445	-84.17997	14851
39.72445	-84.17997	15186
39.72446	-84.17998	14799
39.72447	-84.17999	16434
39.72447	-84.18000	15360
39.72447	-84.18000	14861
39.72447	-84.18000	14176
39.72453	-84.18005	14424
39.72453	-84.18005	15112
39.72453	-84.18005	14940
39.72453	-84.18006	14555
39.72453	-84.18007	15016
39.72453	-84.18008	15854
39.72453	-84.18007	16451
39.72453	-84.18008	15138
39.72453	-84.18008	14422
39.72453	-84.18008	14624
39.72454	-84.18009	14391
39.72455	-84.18011	15150
39.72456	-84.18012	14733
39.72457	-84.18013	15355
39.72458	-84.18014	15013
39.72459	-84.18014	14453

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72532	-84.17941	20648
39.72531	-84.17941	20433
39.72530	-84.17941	20589
39.72529	-84.17942	21494
39.72528	-84.17942	21460
39.72527	-84.17942	22157
39.72526	-84.17942	21046
39.72525	-84.17942	20486
39.72524	-84.17943	20703
39.72523	-84.17943	21116
39.72522	-84.17943	20250
39.72521	-84.17943	19623
39.72520	-84.17943	19747
39.72519	-84.17943	18339
39.72518	-84.17944	20705
39.72517	-84.17944	19934
39.72516	-84.17944	20780
39.72514	-84.17944	21270
39.72513	-84.17945	20748
39.72513	-84.17945	20299
39.72511	-84.17945	20426
39.72510	-84.17945	18838
39.72509	-84.17945	19838
39.72508	-84.17946	20338
39.72507	-84.17946	19837
39.72506	-84.17946	20549
39.72505	-84.17946	21635
39.72504	-84.17947	20483
39.72503	-84.17947	20736
39.72502	-84.17947	21713
39.72501	-84.17947	21708
39.72500	-84.17947	21141
39.72499	-84.17948	20319
39.72498	-84.17948	19843
39.72497	-84.17948	20418
39.72496	-84.17948	23233
39.72495	-84.17949	21871
39.72494	-84.17949	21004
39.72493	-84.17949	20675
39.72492	-84.17949	21162

39.72460	-84.18015	14984
39.72461	-84.18017	15592
39.72462	-84.18018	16709
39.72463	-84.18020	16034
39.72463	-84.18021	15948
39.72464	-84.18023	16325
39.72465	-84.18025	15344
39.72466	-84.18026	16938
39.72467	-84.18027	17041
39.72467	-84.18029	17885
39.72468	-84.18031	16704
39.72469	-84.18032	16624
39.72470	-84.18033	16002
39.72471	-84.18035	14834
39.72472	-84.18036	14764
39.72473	-84.18037	14032
39.72473	-84.18038	14998
39.72471	-84.18035	15600
39.72471	-84.18036	15013
39.72470	-84.18034	14355
39.72469	-84.18033	14692
39.72468	-84.18031	15869
39.72467	-84.18029	15113
39.72467	-84.18028	17468
39.72466	-84.18027	17544
39.72465	-84.18025	17200
39.72464	-84.18024	17525
39.72464	-84.18022	16922
39.72463	-84.18021	16166
39.72462	-84.18020	15820
39.72461	-84.18018	15369
39.72460	-84.18017	15273
39.72458	-84.18016	14963
39.72457	-84.18015	15099
39.72456	-84.18014	14637
39.72455	-84.18013	14353
39.72455	-84.18012	13657
39.72454	-84.18010	13232
39.72452	-84.18009	14101
39.72452	-84.18008	14776

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72491	-84.17949	21565
39.72490	-84.17950	20975
39.72489	-84.17950	19632
39.72488	-84.17950	18866
39.72487	-84.17950	18618
39.72486	-84.17950	19524
39.72485	-84.17950	20029
39.72484	-84.17951	19065
39.72483	-84.17951	20923
39.72481	-84.17951	20167
39.72481	-84.17951	19139
39.72480	-84.17952	19657
39.72478	-84.17952	17577
39.72477	-84.17952	15120
39.72476	-84.17952	14447
39.72475	-84.17952	13603
39.72474	-84.17953	14444
39.72473	-84.17953	14437
39.72472	-84.17953	14053
39.72544	-84.17940	16859
39.72543	-84.17940	17514
39.72543	-84.17940	18685
39.72541	-84.17940	18157
39.72540	-84.17940	16433
39.72540	-84.17941	18202
39.72538	-84.17941	17799
39.72537	-84.17941	17483
39.72536	-84.17941	17588
39.72535	-84.17942	15803
39.72534	-84.17942	14190
39.72533	-84.17942	13537
39.72532	-84.17942	13347
39.72531	-84.17942	14601
39.72530	-84.17943	14290
39.72529	-84.17943	14994
39.72528	-84.17943	15077
39.72527	-84.17943	13429
39.72526	-84.17944	14219
39.72525	-84.17944	13812
39.72524	-84.17944	13806

39.72450	-84.18006	14552
39.72451	-84.18005	13924
39.72449	-84.18004	13564
39.72450	-84.18002	14439
39.72449	-84.18001	14972
39.72448	-84.18000	14376
39.72445	-84.17999	13262
39.72445	-84.17997	13350
39.72443	-84.17996	14438
39.72443	-84.17994	14609
39.72443	-84.17993	14860
39.72442	-84.17991	14796
39.72440	-84.17990	14884
39.72440	-84.17990	15018
39.72440	-84.17990	14013
39.72440	-84.17990	14237
39.72442	-84.17995	14117
39.72442	-84.17995	14286
39.72442	-84.17995	14609
39.72442	-84.17995	14363
39.72442	-84.17995	15368
39.72445	-84.18000	15280
39.72445	-84.18000	14949
39.72446	-84.18001	14899
39.72446	-84.18002	14869
39.72447	-84.18003	14302
39.72448	-84.18004	14440
39.72449	-84.18005	14293
39.72449	-84.18005	13558
39.72449	-84.18005	14954
39.72454	-84.18009	14868
39.72454	-84.18009	16327
39.72454	-84.18010	16112
39.72455	-84.18012	14959
39.72456	-84.18013	15151
39.72457	-84.18015	15376
39.72458	-84.18016	15463
39.72459	-84.18016	16084
39.72459	-84.18018	16048
39.72461	-84.18019	16572

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72523	-84.17944	14054
39.72522	-84.17944	14817
39.72521	-84.17945	14308
39.72520	-84.17945	14507
39.72519	-84.17945	15533
39.72518	-84.17945	16061
39.72517	-84.17946	17041
39.72516	-84.17946	16894
39.72515	-84.17946	16926
39.72514	-84.17946	17832
39.72513	-84.17946	17878
39.72511	-84.17946	17310
39.72511	-84.17946	15409
39.72510	-84.17947	13529
39.72508	-84.17947	12797
39.72507	-84.17947	13297
39.72506	-84.17947	12432
39.72505	-84.17948	13464
39.72504	-84.17948	14727
39.72503	-84.17948	16559
39.72502	-84.17948	16597
39.72501	-84.17948	18731
39.72500	-84.17949	18315
39.72499	-84.17949	19088
39.72498	-84.17949	19566
39.72497	-84.17949	18769
39.72496	-84.17950	18851
39.72495	-84.17950	19462
39.72494	-84.17950	19735
39.72493	-84.17950	19021
39.72492	-84.17950	19115
39.72491	-84.17951	19355
39.72490	-84.17951	18794
39.72489	-84.17951	20499
39.72488	-84.17951	21206
39.72487	-84.17952	20672
39.72486	-84.17952	20516
39.72485	-84.17952	20280
39.72484	-84.17952	20240
39.72483	-84.17952	20985

39.72462	-84.18020	15850
39.72462	-84.18021	16732
39.72463	-84.18023	16397
39.72463	-84.18025	17296
39.72463	-84.18027	16178
39.72464	-84.18029	15684
39.72466	-84.18030	16809
39.72467	-84.18032	16202
39.72468	-84.18034	15744
39.72469	-84.18036	16095
39.72471	-84.18037	13612
39.72472	-84.18038	13781
39.72471	-84.18039	16956
39.72471	-84.18040	16255
39.72471	-84.18040	16529
39.72472	-84.18039	16608
39.72472	-84.18039	16198
39.72471	-84.18038	14754
39.72469	-84.18036	13471
39.72468	-84.18035	13222
39.72467	-84.18035	14235
39.72465	-84.18033	14714
39.72465	-84.18032	15405
39.72464	-84.18032	15385
39.72463	-84.18031	14930
39.72462	-84.18031	15249
39.72463	-84.18032	15225
39.72464	-84.18033	15481
39.72465	-84.18035	15163
39.72466	-84.18036	14853
39.72467	-84.18037	14438
39.72467	-84.18037	13145
39.72466	-84.18036	12687
39.72464	-84.18035	13678
39.72463	-84.18034	13793
39.72462	-84.18033	14808
39.72462	-84.18034	16436
39.72461	-84.18033	15568
39.72461	-84.18034	14767
39.72462	-84.18034	15676

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72482	-84.17953	19676
39.72481	-84.17953	20055
39.72479	-84.17953	18735
39.72479	-84.17953	19301
39.72478	-84.17953	20388
39.72476	-84.17953	20298
39.72475	-84.17954	19536
39.72475	-84.17954	19642
39.72473	-84.17954	20260
39.72544	-84.17941	19041
39.72543	-84.17942	17026
39.72542	-84.17942	15142
39.72541	-84.17942	14176
39.72540	-84.17942	14255
39.72538	-84.17942	13820
39.72538	-84.17942	14170
39.72536	-84.17943	14461
39.72535	-84.17943	14244
39.72534	-84.17943	14386
39.72533	-84.17943	16377
39.72532	-84.17943	17628
39.72531	-84.17944	17620
39.72530	-84.17944	17461
39.72529	-84.17944	15934
39.72528	-84.17944	13890
39.72527	-84.17945	13702
39.72526	-84.17945	14455
39.72525	-84.17945	13083
39.72524	-84.17945	13732
39.72523	-84.17945	14797
39.72522	-84.17946	18105
39.72521	-84.17946	15497
39.72520	-84.17946	14074
39.72519	-84.17946	14088
39.72518	-84.17947	14360
39.72517	-84.17947	15342
39.72516	-84.17947	15318
39.72515	-84.17947	14298
39.72514	-84.17947	17088
39.72513	-84.17948	17486

39.72464	-84.18036	14888
39.72465	-84.18037	14863
39.72467	-84.18038	14976
39.72468	-84.18039	13921
39.72469	-84.18040	13842
39.72469	-84.18041	16043
39.72468	-84.18040	15279
39.72467	-84.18039	15756
39.72467	-84.18039	14973
39.72467	-84.18040	15454
39.72467	-84.18040	15860
39.72466	-84.18039	14658
39.72464	-84.18037	14170
39.72463	-84.18036	13954
39.72462	-84.18035	14334
39.72461	-84.18035	15357
39.72461	-84.18035	15789
39.72461	-84.18035	16356
39.72461	-84.18036	16168
39.72463	-84.18038	15885
39.72464	-84.18038	14594
39.72466	-84.18039	14610
39.72466	-84.18040	16110
39.72466	-84.18039	15796
39.72466	-84.18039	15772
39.72466	-84.18040	15084
39.72464	-84.18039	15596
39.72463	-84.18038	15096
39.72461	-84.18037	15530
39.72461	-84.18037	15367
39.72461	-84.18036	16011
39.72461	-84.18036	15422
39.72461	-84.18036	15869
39.72461	-84.18036	16227
39.72461	-84.18036	15422
39.72465	-84.18039	15564
39.72465	-84.18039	16341
39.72465	-84.18039	16470
39.72465	-84.18039	16293
39.72465	-84.18038	16346

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72512	-84.17948	16284
39.72511	-84.17948	17022
39.72510	-84.17948	18110
39.72509	-84.17949	18898
39.72508	-84.17949	18349
39.72506	-84.17949	19456
39.72506	-84.17949	20098
39.72505	-84.17949	20073
39.72503	-84.17949	20803
39.72502	-84.17949	20834
39.72501	-84.17950	20035
39.72500	-84.17950	19416
39.72499	-84.17950	19188
39.72498	-84.17950	18401
39.72497	-84.17951	18583
39.72496	-84.17951	19406
39.72495	-84.17951	19907
39.72494	-84.17951	20026
39.72493	-84.17951	20739
39.72492	-84.17952	21286
39.72491	-84.17952	19194
39.72490	-84.17952	16690
39.72489	-84.17952	15223
39.72488	-84.17953	15401
39.72487	-84.17953	16494
39.72486	-84.17953	17671
39.72485	-84.17953	17414
39.72484	-84.17953	18673
39.72483	-84.17954	18775
39.72482	-84.17954	17711
39.72481	-84.17954	16001
39.72480	-84.17954	14950
39.72479	-84.17955	14512
39.72478	-84.17955	14900
39.72477	-84.17955	14385
39.72476	-84.17955	15243
39.72475	-84.17955	14143
39.72474	-84.17956	14328
39.72543	-84.17943	12588
39.72542	-84.17943	17226

39.72465	-84.18039	15270
39.72465	-84.18039	16432
39.72466	-84.18039	16807
39.72465	-84.18040	16871
39.72465	-84.18041	17952
39.72465	-84.18041	17698
39.72464	-84.18042	17699
39.72464	-84.18043	18122
39.72463	-84.18045	17803
39.72462	-84.18047	16282
39.72461	-84.18049	19766
39.72461	-84.18050	19641
39.72461	-84.18049	20122
39.72461	-84.18049	21767
39.72461	-84.18049	21510
39.72461	-84.18049	21998
39.72461	-84.18050	22399
39.72461	-84.18050	21495
39.72461	-84.18050	22403
39.72460	-84.18050	22289
39.72459	-84.18051	22148
39.72459	-84.18051	22870
39.72458	-84.18051	23830
39.72458	-84.18051	23634
39.72456	-84.18050	23944
39.72456	-84.18052	24384
39.72455	-84.18053	23885
39.72455	-84.18054	24161
39.72455	-84.18053	23164
39.72456	-84.18053	22905
39.72456	-84.18052	25492
39.72457	-84.18051	25926
39.72457	-84.18051	24241
39.72457	-84.18051	23083
39.72458	-84.18051	23811
39.72457	-84.18052	25155
39.72456	-84.18052	24704
39.72455	-84.18055	25417
39.72455	-84.18056	23785
39.72455	-84.18056	23767

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72541	-84.17943	17477
39.72540	-84.17943	18903
39.72539	-84.17944	18693
39.72538	-84.17944	17045
39.72537	-84.17944	17358
39.72536	-84.17944	18662
39.72535	-84.17945	16902
39.72533	-84.17945	15100
39.72533	-84.17945	15819
39.72531	-84.17945	14511
39.72530	-84.17945	13653
39.72529	-84.17945	14090
39.72528	-84.17946	13787
39.72527	-84.17946	13931
39.72526	-84.17946	13511
39.72525	-84.17946	14101
39.72524	-84.17946	14921
39.72523	-84.17947	15573
39.72522	-84.17947	16847
39.72521	-84.17947	17740
39.72520	-84.17947	17381
39.72519	-84.17948	18198
39.72518	-84.17948	18406
39.72517	-84.17948	19068
39.72516	-84.17948	19527
39.72515	-84.17948	18565
39.72514	-84.17949	17343
39.72513	-84.17949	18900
39.72512	-84.17949	19440
39.72511	-84.17949	19108
39.72510	-84.17950	19308
39.72509	-84.17950	19909
39.72508	-84.17950	19385
39.72507	-84.17950	20323
39.72506	-84.17950	20696
39.72505	-84.17951	20373
39.72504	-84.17951	20814
39.72503	-84.17951	19898
39.72501	-84.17951	20148
39.72501	-84.17952	20153

39.72456	-84.18055	22859
39.72457	-84.18054	23153
39.72457	-84.18052	22796
39.72457	-84.18051	23931
39.72458	-84.18051	23881
39.72458	-84.18052	23637
39.72457	-84.18053	23861
39.72456	-84.18056	24273
39.72455	-84.18057	23727
39.72455	-84.18057	23256
39.72455	-84.18057	23314
39.72455	-84.18056	24782
39.72455	-84.18056	24421
39.72455	-84.18056	24313
39.72455	-84.18057	25035
39.72454	-84.18058	23934
39.72455	-84.18057	24735
39.72455	-84.18057	24671
39.72455	-84.18058	24791
39.72455	-84.18059	24503
39.72455	-84.18059	24699
39.72455	-84.18059	24175
39.72456	-84.18057	23906
39.72457	-84.18055	22713
39.72457	-84.18054	22553
39.72458	-84.18052	23397
39.72458	-84.18051	23389
39.72459	-84.18051	23359
39.72459	-84.18052	21976
39.72459	-84.18053	23930
39.72458	-84.18054	23570
39.72457	-84.18056	23328
39.72456	-84.18058	24047
39.72456	-84.18059	24117
39.72456	-84.18060	24119
39.72456	-84.18060	22851
39.72456	-84.18060	22768
39.72455	-84.18061	24171
39.72456	-84.18061	23268
39.72456	-84.18060	24211

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72500	-84.17952	18372
39.72498	-84.17952	17640
39.72497	-84.17952	18050
39.72497	-84.17952	18326
39.72495	-84.17952	18296
39.72494	-84.17953	18914
39.72493	-84.17953	19163
39.72492	-84.17953	18839
39.72491	-84.17953	18093
39.72490	-84.17953	18120
39.72489	-84.17954	17639
39.72488	-84.17954	16373
39.72487	-84.17954	14723
39.72486	-84.17954	14887
39.72485	-84.17954	14258
39.72484	-84.17955	13627
39.72483	-84.17955	14217
39.72482	-84.17955	14307
39.72481	-84.17955	17369
39.72480	-84.17956	17544
39.72479	-84.17956	18319
39.72478	-84.17956	16594
39.72477	-84.17956	15331
39.72476	-84.17956	13886
39.72475	-84.17957	14595
39.72542	-84.17944	13855
39.72541	-84.17945	14368
39.72540	-84.17945	13641
39.72539	-84.17945	15916
39.72538	-84.17945	17453
39.72537	-84.17945	19670
39.72536	-84.17946	19989
39.72535	-84.17946	19818
39.72534	-84.17946	20242
39.72533	-84.17946	21299
39.72532	-84.17947	18823
39.72531	-84.17947	18858
39.72530	-84.17947	18999
39.72528	-84.17947	19399
39.72528	-84.17947	19813

39.72457	-84.18058	23159
39.72458	-84.18056	22775
39.72459	-84.18054	23627
39.72460	-84.18053	24282
39.72460	-84.18054	24644
39.72460	-84.18055	25080
39.72459	-84.18056	25574
39.72458	-84.18058	24292
39.72457	-84.18060	24756
39.72457	-84.18060	23609
39.72457	-84.18061	24743
39.72457	-84.18060	22945
39.72458	-84.18059	22713
39.72458	-84.18058	22610
39.72459	-84.18056	23329
39.72460	-84.18055	24549
39.72460	-84.18053	25398
39.72461	-84.18053	26922
39.72461	-84.18052	25346
39.72460	-84.18052	23980
39.72460	-84.18055	25104
39.72460	-84.18057	24936
39.72459	-84.18057	22964
39.72459	-84.18058	22861
39.72458	-84.18059	23426
39.72458	-84.18059	22338
39.72458	-84.18059	24059
39.72462	-84.18052	24886
39.72462	-84.18052	24657
39.72463	-84.18052	24602
39.72463	-84.18053	23751
39.72462	-84.18055	23208
39.72462	-84.18055	24331
39.72462	-84.18055	25181
39.72459	-84.18060	24289
39.72459	-84.18060	23759
39.72459	-84.18061	23540
39.72459	-84.18061	23751
39.72459	-84.18061	23201
39.72458	-84.18058	23053

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72527	-84.17948	20262
39.72525	-84.17948	20111
39.72524	-84.17948	20892
39.72523	-84.17948	20713
39.72522	-84.17948	19468
39.72521	-84.17948	20175
39.72520	-84.17949	19171
39.72519	-84.17949	18112
39.72518	-84.17949	18341
39.72517	-84.17949	18827
39.72516	-84.17949	19836
39.72515	-84.17950	19794
39.72514	-84.17950	19191
39.72513	-84.17950	19368
39.72512	-84.17950	17773
39.72511	-84.17951	17333
39.72510	-84.17951	18056
39.72509	-84.17951	18828
39.72508	-84.17951	15306
39.72507	-84.17951	13675
39.72506	-84.17952	13410
39.72505	-84.17952	13439
39.72504	-84.17952	15596
39.72503	-84.17952	17838
39.72502	-84.17953	18713
39.72501	-84.17953	18946
39.72500	-84.17953	18889
39.72499	-84.17953	19203
39.72498	-84.17953	18636
39.72497	-84.17954	15413
39.72496	-84.17954	14327
39.72495	-84.17954	13839
39.72493	-84.17954	13201
39.72492	-84.17955	13849
39.72492	-84.17955	14660
39.72490	-84.17955	18072
39.72489	-84.17955	19102
39.72488	-84.17955	19523
39.72487	-84.17955	18817
39.72486	-84.17956	18758

39.72458	-84.18058	23911
39.72458	-84.18057	23414
39.72458	-84.18055	23518
39.72459	-84.18053	25033
39.72459	-84.18053	24434
39.72459	-84.18052	23141
39.72459	-84.18051	22487
39.72459	-84.18050	22347
39.72459	-84.18050	22803
39.72458	-84.18049	24963
39.72457	-84.18049	24779
39.72456	-84.18049	23375
39.72455	-84.18048	24348
39.72454	-84.18048	23472
39.72454	-84.18049	22245
39.72453	-84.18049	21953
39.72453	-84.18049	20584
39.72453	-84.18050	20733
39.72453	-84.18051	20318
39.72452	-84.18052	18787
39.72452	-84.18053	19391
39.72452	-84.18053	18990
39.72452	-84.18053	19689
39.72452	-84.18054	19384
39.72451	-84.18055	19112
39.72451	-84.18055	17871
39.72451	-84.18055	18864
39.72449	-84.18059	20358
39.72449	-84.18059	21363
39.72448	-84.18059	20273
39.72447	-84.18059	21066
39.72448	-84.18058	20230
39.72447	-84.18056	20179
39.72446	-84.18056	19240
39.72445	-84.18055	19113
39.72444	-84.18055	20720
39.72443	-84.18054	21896
39.72442	-84.18054	22899
39.72441	-84.18054	20966
39.72441	-84.18054	20722

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72485	-84.17956	19279
39.72484	-84.17956	19558
39.72483	-84.17956	20898
39.72482	-84.17956	20682
39.72481	-84.17957	18720
39.72480	-84.17957	19740
39.72479	-84.17957	19848
39.72478	-84.17957	20677
39.72477	-84.17957	20074
39.72476	-84.17958	19862
39.72540	-84.17946	20896
39.72539	-84.17946	20895
39.72538	-84.17946	18893
39.72537	-84.17947	17591
39.72536	-84.17947	19182
39.72535	-84.17947	19792
39.72534	-84.17947	19249
39.72533	-84.17948	18159
39.72532	-84.17948	18423
39.72531	-84.17948	16477
39.72530	-84.17948	17464
39.72529	-84.17948	17992
39.72528	-84.17949	19011
39.72526	-84.17949	18967
39.72526	-84.17949	16008
39.72525	-84.17949	14381
39.72523	-84.17950	13289
39.72523	-84.17950	16462
39.72522	-84.17950	19420
39.72520	-84.17950	19084
39.72519	-84.17950	19210
39.72519	-84.17951	15311
39.72517	-84.17951	14159
39.72516	-84.17951	15732
39.72515	-84.17951	16589
39.72514	-84.17951	17732
39.72513	-84.17951	18793
39.72512	-84.17952	18706
39.72511	-84.17952	19151
39.72510	-84.17952	18387

39.72440	-84.18053	19136
39.72439	-84.18053	18519
39.72438	-84.18053	20111
39.72437	-84.18052	19926
39.72436	-84.18052	21200
39.72435	-84.18051	21308
39.72434	-84.18051	20409
39.72433	-84.18050	20783
39.72433	-84.18049	21010
39.72432	-84.18048	21257
39.72431	-84.18048	20444
39.72432	-84.18048	21625
39.72430	-84.18048	20651
39.72428	-84.18046	21232
39.72427	-84.18045	23026
39.72425	-84.18043	23283
39.72424	-84.18042	23462
39.72422	-84.18041	23411
39.72421	-84.18039	23871
39.72419	-84.18038	24377
39.72419	-84.18036	23359
39.72417	-84.18036	22432
39.72417	-84.18036	22150
39.72417	-84.18036	24263
39.72546	-84.17937	20471
39.72546	-84.17937	20569
39.72546	-84.17937	20054
39.72546	-84.17937	21642
39.72546	-84.17937	21117
39.72546	-84.17937	19978
39.72546	-84.17937	20111
39.72546	-84.17937	21512
39.72546	-84.17937	21356
39.72546	-84.17937	20732
39.72546	-84.17937	19494
39.72546	-84.17937	19715
39.72546	-84.17937	18178
39.72546	-84.17937	18273
39.72546	-84.17937	18143
39.72546	-84.17937	17411

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72509	-84.17952	19259
39.72508	-84.17952	18732
39.72507	-84.17953	17534
39.72506	-84.17953	17359
39.72505	-84.17953	18206
39.72504	-84.17953	18605
39.72503	-84.17954	19654
39.72502	-84.17954	18260
39.72501	-84.17954	19659
39.72500	-84.17954	18229
39.72499	-84.17954	17989
39.72498	-84.17955	17147
39.72497	-84.17955	16406
39.72496	-84.17955	17714
39.72495	-84.17955	18234
39.72494	-84.17956	17428
39.72493	-84.17956	18753
39.72492	-84.17956	19928
39.72491	-84.17956	19369
39.72490	-84.17956	19981
39.72488	-84.17957	20350
39.72487	-84.17957	19922
39.72487	-84.17957	20676
39.72485	-84.17957	21082
39.72484	-84.17958	20405
39.72483	-84.17958	19562
39.72482	-84.17958	19495
39.72481	-84.17958	20444
39.72480	-84.17958	19233
39.72479	-84.17958	20437
39.72478	-84.17959	20934
39.72477	-84.17959	19431
39.72539	-84.17947	19560
39.72538	-84.17948	18969
39.72537	-84.17948	19875
39.72536	-84.17948	20413
39.72535	-84.17948	21062
39.72534	-84.17949	20368
39.72533	-84.17949	18801
39.72532	-84.17949	20201

39.72546	-84.17937	17546
39.72546	-84.17937	17885
39.72546	-84.17937	18091
39.72546	-84.17937	18408
39.72546	-84.17937	18194
39.72546	-84.17937	17495
39.72546	-84.17937	16971
39.72546	-84.17937	16959
39.72546	-84.17937	17419
39.72546	-84.17937	18078
39.72546	-84.17937	18628
39.72546	-84.17937	16883
39.72546	-84.17937	18566
39.72546	-84.17937	18415
39.72546	-84.17937	18116
39.72546	-84.17937	17483
39.72546	-84.17937	17800
39.72546	-84.17937	17919
39.72546	-84.17937	17646
39.72546	-84.17937	17771
39.72546	-84.17937	16987
39.72459	-84.18005	15457
39.72459	-84.18005	15584
39.72459	-84.18005	14288
39.72459	-84.18005	13819
39.72459	-84.18005	14901
39.72459	-84.18005	15017
39.72459	-84.18005	14659
39.72461	-84.18007	17484
39.72461	-84.18007	17561
39.72461	-84.18007	16975
39.72461	-84.18007	18196
39.72461	-84.18007	19301
39.72461	-84.18007	19576
39.72458	-84.18003	20646
39.72458	-84.18003	19684
39.72458	-84.18003	19890
39.72456	-84.18003	18726
39.72456	-84.18003	19521
39.72456	-84.18003	19260

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72531	-84.17949	20547
39.72530	-84.17949	20121
39.72529	-84.17950	20273
39.72528	-84.17950	20457
39.72527	-84.17950	20812
39.72526	-84.17950	21090
39.72525	-84.17951	23337
39.72524	-84.17951	23373
39.72523	-84.17951	19903
39.72522	-84.17951	19644
39.72521	-84.17951	21343
39.72520	-84.17952	21811
39.72518	-84.17952	19945
39.72517	-84.17952	21841
39.72517	-84.17952	19312
39.72515	-84.17953	18654
39.72514	-84.17953	18200
39.72514	-84.17953	18503
39.72512	-84.17953	18579
39.72511	-84.17953	18526
39.72510	-84.17954	18126
39.72509	-84.17954	17649
39.72508	-84.17954	17678
39.72507	-84.17954	18037
39.72506	-84.17954	19630
39.72505	-84.17955	19274
39.72504	-84.17955	19535
39.72503	-84.17955	19481
39.72502	-84.17955	20313
39.72501	-84.17955	18960
39.72500	-84.17955	17447
39.72499	-84.17956	18574
39.72498	-84.17956	17856
39.72497	-84.17956	18986
39.72496	-84.17956	18504
39.72495	-84.17957	18001
39.72494	-84.17957	17833
39.72493	-84.17957	18877
39.72492	-84.17957	18192
39.72491	-84.17957	18461

39.72456	-84.18003	18785
39.72456	-84.18003	19313
39.72456	-84.18003	20550
39.72455	-84.17998	20209
39.72455	-84.17998	19681
39.72454	-84.17997	19516
39.72453	-84.17997	19304
39.72451	-84.17996	20760
39.72451	-84.17996	21460
39.72451	-84.17996	20902
39.72445	-84.17988	19472
39.72445	-84.17988	20078
39.72445	-84.17988	19193
39.72444	-84.17988	19397
39.72444	-84.17988	19242
39.72444	-84.17988	18914
39.72445	-84.17980	18177
39.72445	-84.17980	19091
39.72445	-84.17980	17472
39.72445	-84.17980	17518
39.72445	-84.17980	18440
39.72456	-84.17995	20477
39.72456	-84.17995	19737
39.72456	-84.17995	20292
39.72457	-84.17997	19182
39.72457	-84.17997	19518
39.72457	-84.17997	19137
39.72457	-84.18004	19249
39.72457	-84.18004	19472
39.72457	-84.18004	18168
39.72456	-84.18002	17194
39.72455	-84.18002	17860
39.72455	-84.18000	18013
39.72454	-84.17998	17537
39.72453	-84.17997	18817
39.72451	-84.17997	18180
39.72450	-84.17995	18083
39.72450	-84.17993	18682
39.72450	-84.17992	18267
39.72450	-84.17992	17287

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72490	-84.17958	18289
39.72489	-84.17958	18702
39.72488	-84.17958	18440
39.72487	-84.17958	17682
39.72485	-84.17959	19607
39.72485	-84.17959	18433
39.72484	-84.17959	17978
39.72482	-84.17959	20010
39.72481	-84.17959	18490
39.72480	-84.17960	20023
39.72479	-84.17960	19401
39.72478	-84.17960	17612
39.72538	-84.17949	20007
39.72537	-84.17949	20555
39.72536	-84.17950	20034
39.72535	-84.17950	21121
39.72534	-84.17950	21216
39.72533	-84.17950	23880
39.72532	-84.17951	22531
39.72531	-84.17951	21476
39.72530	-84.17951	22064
39.72529	-84.17951	22323
39.72528	-84.17951	19778
39.72527	-84.17951	18918
39.72526	-84.17952	18275
39.72525	-84.17952	18624
39.72524	-84.17952	17890
39.72523	-84.17952	17594
39.72522	-84.17952	17793
39.72521	-84.17953	19629
39.72520	-84.17953	18427
39.72519	-84.17953	18593
39.72518	-84.17953	18113
39.72517	-84.17954	18245
39.72516	-84.17954	18757
39.72515	-84.17954	19656
39.72514	-84.17954	15706
39.72512	-84.17954	13533
39.72512	-84.17955	13887
39.72510	-84.17955	14952

39.72450	-84.17992	18570
39.72445	-84.17984	16978
39.72445	-84.17984	16781
39.72445	-84.17984	15539
39.72445	-84.17984	15247
39.72445	-84.17984	14565
39.72453	-84.17993	14926
39.72453	-84.17993	14658
39.72454	-84.17993	14462
39.72454	-84.17995	15778
39.72455	-84.17997	15062
39.72456	-84.17998	14541
39.72456	-84.17998	15033
39.72456	-84.17998	14037
39.72460	-84.18005	15283
39.72460	-84.18005	14513
39.72460	-84.18005	15118
39.72460	-84.18005	14555
39.72461	-84.18006	16118
39.72462	-84.18006	15913
39.72461	-84.18006	16893
39.72461	-84.18006	16209
39.72460	-84.18005	15270
39.72460	-84.18005	13898
39.72459	-84.18003	14043
39.72458	-84.18001	16012
39.72457	-84.18000	15790
39.72457	-84.17998	15084
39.72456	-84.17997	15240
39.72455	-84.17996	15328
39.72454	-84.17995	14269
39.72453	-84.17993	15269
39.72452	-84.17992	14437
39.72451	-84.17992	14012
39.72451	-84.17991	14623
39.72450	-84.17989	14319
39.72449	-84.17988	14923
39.72449	-84.17988	15416
39.72449	-84.17988	14921
39.72449	-84.17979	14244

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72509	-84.17955	17430
39.72508	-84.17955	16081
39.72507	-84.17956	18843
39.72506	-84.17956	16227
39.72505	-84.17956	15067
39.72504	-84.17956	16348
39.72503	-84.17956	14774
39.72502	-84.17957	16342
39.72501	-84.17957	18664
39.72500	-84.17957	18958
39.72499	-84.17957	18420
39.72498	-84.17958	19242
39.72497	-84.17958	18657
39.72496	-84.17958	19126
39.72495	-84.17958	18826
39.72494	-84.17958	17695
39.72493	-84.17958	16863
39.72492	-84.17958	17395
39.72491	-84.17959	17882
39.72490	-84.17959	18551
39.72489	-84.17959	15793
39.72488	-84.17959	14370
39.72487	-84.17960	13815
39.72486	-84.17960	14480
39.72485	-84.17960	15296
39.72484	-84.17960	14545
39.72483	-84.17960	14872
39.72482	-84.17961	16070
39.72480	-84.17961	16314
39.72480	-84.17961	15158
39.72537	-84.17951	15257
39.72536	-84.17951	15080
39.72535	-84.17951	14801
39.72534	-84.17951	15920
39.72533	-84.17952	16617
39.72532	-84.17952	16417
39.72531	-84.17952	16571
39.72530	-84.17952	15391
39.72529	-84.17952	15534
39.72528	-84.17953	15840

39.72449	-84.17979	14691
39.72449	-84.17979	14632
39.72449	-84.17981	14539
39.72448	-84.17984	14729
39.72449	-84.17985	14648
39.72450	-84.17987	14541
39.72450	-84.17988	15248
39.72452	-84.17989	15324
39.72453	-84.17991	14516
39.72454	-84.17992	14425
39.72455	-84.17993	14406
39.72456	-84.17995	14805
39.72456	-84.17997	14865
39.72458	-84.17999	15855
39.72459	-84.18000	15616
39.72460	-84.18002	14501
39.72460	-84.18002	14092
39.72462	-84.18004	14690
39.72463	-84.18005	16208
39.72463	-84.18005	16783
39.72463	-84.18005	16255
39.72463	-84.18005	14759
39.72463	-84.18005	14602
39.72462	-84.18005	15230
39.72461	-84.18003	15032
39.72461	-84.18002	14509
39.72459	-84.18001	14554
39.72459	-84.17999	13803
39.72458	-84.17998	14689
39.72457	-84.17997	15085
39.72456	-84.17995	14880
39.72455	-84.17994	13774
39.72454	-84.17993	14844
39.72453	-84.17992	15423
39.72452	-84.17991	14563
39.72451	-84.17990	15735
39.72450	-84.17989	15824
39.72449	-84.17988	15031
39.72448	-84.17987	14950
39.72447	-84.17986	13668

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72527	-84.17953	16076
39.72526	-84.17953	15532
39.72525	-84.17953	14652
39.72524	-84.17954	14248
39.72523	-84.17954	14313
39.72522	-84.17954	14348
39.72521	-84.17954	15412
39.72520	-84.17954	16455
39.72519	-84.17954	18873
39.72518	-84.17955	18909
39.72517	-84.17955	19125
39.72516	-84.17955	18711
39.72515	-84.17955	18151
39.72514	-84.17955	18532
39.72513	-84.17956	18163
39.72512	-84.17956	19330
39.72511	-84.17956	18309
39.72510	-84.17956	18197
39.72509	-84.17957	17969
39.72507	-84.17957	15894
39.72507	-84.17957	15400
39.72506	-84.17957	14929
39.72504	-84.17957	16249
39.72503	-84.17958	16504
39.72502	-84.17958	17498
39.72501	-84.17958	19316
39.72500	-84.17958	20135
39.72499	-84.17959	21273
39.72498	-84.17959	22607
39.72497	-84.17959	21390
39.72496	-84.17959	20619
39.72495	-84.17959	17615
39.72494	-84.17960	14937
39.72493	-84.17960	15178
39.72492	-84.17960	14621
39.72491	-84.17960	14842
39.72490	-84.17961	16217
39.72489	-84.17961	19482
39.72488	-84.17961	18925
39.72487	-84.17961	19480

39.72446	-84.17985	15548
39.72445	-84.17983	16068
39.72446	-84.17981	14835
39.72446	-84.17979	14763
39.72447	-84.17980	13353
39.72447	-84.17981	14715
39.72449	-84.17983	14705
39.72449	-84.17984	14698
39.72450	-84.17986	14770
39.72453	-84.17985	15073
39.72454	-84.17987	15146
39.72454	-84.17988	14548
39.72455	-84.17990	16262
39.72456	-84.17991	16085
39.72456	-84.17993	17007
39.72457	-84.17995	15263
39.72458	-84.17997	15767
39.72459	-84.17999	14775
39.72460	-84.18000	14401
39.72462	-84.18000	15010
39.72463	-84.18001	14650
39.72464	-84.18003	14989
39.72464	-84.18004	15633
39.72464	-84.18005	15959
39.72463	-84.18005	15583
39.72463	-84.18005	16267
39.72463	-84.18004	16686
39.72463	-84.18005	16228
39.72463	-84.18004	15619
39.72463	-84.18005	16418
39.72463	-84.18005	15979
39.72463	-84.18004	15835
39.72463	-84.18003	15486
39.72461	-84.18003	14621
39.72462	-84.18002	16026
39.72462	-84.18002	15870
39.72462	-84.18002	15546
39.72462	-84.18001	15685
39.72462	-84.18001	16147
39.72462	-84.18002	14852

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72486	-84.17961	18543
39.72485	-84.17961	19497
39.72484	-84.17961	17707
39.72483	-84.17962	17929
39.72482	-84.17962	17677
39.72481	-84.17962	18623
39.72480	-84.17962	18539
39.72537	-84.17952	20078
39.72536	-84.17952	18357
39.72534	-84.17953	16166
39.72534	-84.17953	14772
39.72532	-84.17953	14637
39.72531	-84.17953	16624
39.72530	-84.17954	20707
39.72529	-84.17954	21578
39.72528	-84.17954	20733
39.72527	-84.17954	17081
39.72526	-84.17954	16255
39.72525	-84.17955	15838
39.72524	-84.17955	18088
39.72523	-84.17955	18930
39.72522	-84.17955	18025
39.72521	-84.17955	18183
39.72520	-84.17956	17054
39.72519	-84.17956	16927
39.72518	-84.17956	18399
39.72517	-84.17956	18708
39.72516	-84.17957	18149
39.72515	-84.17957	15777
39.72514	-84.17957	15527
39.72513	-84.17957	16464
39.72512	-84.17957	15474
39.72511	-84.17957	19022
39.72510	-84.17958	20281
39.72509	-84.17958	20632
39.72508	-84.17958	20330
39.72507	-84.17958	19246
39.72506	-84.17958	17062
39.72505	-84.17959	15524
39.72504	-84.17959	15888

39.72463	-84.18001	14935
39.72463	-84.18001	14120
39.72463	-84.18001	14344
39.72463	-84.18001	14693
39.72462	-84.18002	14854
39.72461	-84.18001	15853
39.72460	-84.18000	15346
39.72460	-84.17999	15337
39.72459	-84.17997	15834
39.72458	-84.17996	15070
39.72457	-84.17994	15289
39.72456	-84.17993	16938
39.72455	-84.17991	18870
39.72455	-84.17991	19723
39.72453	-84.17989	19071
39.72452	-84.17987	18478
39.72452	-84.17987	19498
39.72450	-84.17988	19392
39.72450	-84.17986	18364
39.72449	-84.17985	18963
39.72449	-84.17985	19580
39.72448	-84.17983	18324
39.72447	-84.17982	16501
39.72446	-84.17982	16055
39.72446	-84.17980	15492
39.72446	-84.17978	15436
39.72449	-84.17975	14767
39.72449	-84.17975	14702
39.72448	-84.17976	15536
39.72450	-84.17978	15898
39.72450	-84.17979	16771
39.72448	-84.17982	17543
39.72448	-84.17984	18214
39.72449	-84.17985	18774
39.72451	-84.17985	19386
39.72453	-84.17985	20560
39.72454	-84.17986	20122
39.72455	-84.17987	20754
39.72454	-84.17991	21850
39.72453	-84.17991	20832

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72502	-84.17959	15274
39.72502	-84.17959	16749
39.72501	-84.17960	18063
39.72499	-84.17960	18039
39.72498	-84.17960	19507
39.72498	-84.17960	17947
39.72496	-84.17960	17460
39.72495	-84.17961	18447
39.72494	-84.17961	16201
39.72493	-84.17961	14493
39.72492	-84.17961	15680
39.72491	-84.17962	15476
39.72490	-84.17962	22107
39.72489	-84.17962	20868
39.72488	-84.17962	20083
39.72487	-84.17962	20576
39.72486	-84.17963	17466
39.72485	-84.17963	15408
39.72484	-84.17963	14816
39.72483	-84.17963	15122
39.72482	-84.17964	13490
39.72481	-84.17964	13753
39.72536	-84.17954	15658
39.72535	-84.17954	15179
39.72534	-84.17954	14648
39.72533	-84.17954	14347
39.72532	-84.17955	14805
39.72531	-84.17955	13332
39.72529	-84.17955	13523
39.72529	-84.17955	13566
39.72528	-84.17955	14035
39.72526	-84.17956	14824
39.72525	-84.17956	16463
39.72524	-84.17956	19667
39.72523	-84.17956	21741
39.72522	-84.17957	22680
39.72521	-84.17957	23745
39.72520	-84.17957	21927
39.72519	-84.17957	21005
39.72518	-84.17957	22316

39.72456	-84.17993	19656
39.72458	-84.17993	17186
39.72457	-84.17996	16072
39.72458	-84.17997	16879
39.72459	-84.17999	15914
39.72460	-84.18000	15528
39.72461	-84.18000	15013
39.72462	-84.18000	15929
39.72462	-84.18000	15153
39.72462	-84.17999	16090
39.72461	-84.17997	16228
39.72460	-84.17996	15983
39.72459	-84.17995	15457
39.72459	-84.17995	18536
39.72459	-84.17995	18460
39.72459	-84.17995	17112
39.72460	-84.17997	15325
39.72460	-84.17997	14392
39.72460	-84.17997	13993
39.72459	-84.17996	15522
39.72457	-84.17996	15984
39.72457	-84.17995	16800
39.72457	-84.17994	17414
39.72457	-84.17993	17390
39.72458	-84.17992	18695
39.72458	-84.17992	19088
39.72458	-84.17992	20130
39.72464	-84.17986	20159
39.72464	-84.17986	21715
39.72464	-84.17986	20841
39.72465	-84.17985	20065
39.72467	-84.17984	21216
39.72467	-84.17983	20472
39.72467	-84.17983	19875
39.72467	-84.17983	19827
39.72467	-84.17983	20579
39.72467	-84.17983	21526
39.72478	-84.17972	23121
39.72478	-84.17972	22837
39.72478	-84.17972	22347

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72517	-84.17958	22569
39.72516	-84.17958	23928
39.72515	-84.17958	23750
39.72514	-84.17958	24502
39.72513	-84.17958	24008
39.72512	-84.17959	24280
39.72511	-84.17959	23497
39.72510	-84.17959	22735
39.72509	-84.17959	22661
39.72508	-84.17960	23855
39.72507	-84.17960	24024
39.72506	-84.17960	23825
39.72505	-84.17960	22282
39.72504	-84.17960	22075
39.72503	-84.17960	21466
39.72502	-84.17961	22080
39.72501	-84.17961	21381
39.72500	-84.17961	21823
39.72499	-84.17961	21798
39.72497	-84.17961	23158
39.72497	-84.17962	21870
39.72496	-84.17962	20654
39.72494	-84.17962	20342
39.72493	-84.17962	20889
39.72493	-84.17963	19608
39.72491	-84.17963	20905
39.72490	-84.17963	20435
39.72489	-84.17963	21682
39.72488	-84.17963	22841
39.72487	-84.17964	23841
39.72486	-84.17964	24239
39.72485	-84.17964	18616
39.72484	-84.17964	15844
39.72483	-84.17965	14400
39.72482	-84.17965	13710
39.72535	-84.17955	14182
39.72534	-84.17956	14808
39.72533	-84.17956	13652
39.72532	-84.17956	13953
39.72531	-84.17956	14792

39.72477	-84.17972	22440
39.72477	-84.17972	22360
39.72477	-84.17972	22583
39.72469	-84.17978	20641
39.72469	-84.17978	19863
39.72468	-84.17979	20646
39.72467	-84.17981	21781
39.72465	-84.17983	21446
39.72465	-84.17984	22554
39.72465	-84.17984	21819
39.72465	-84.17984	21578
39.72459	-84.17989	20833
39.72459	-84.17989	21312
39.72459	-84.17990	21135
39.72458	-84.17991	20650
39.72456	-84.17993	18080
39.72455	-84.17993	16317
39.72456	-84.17992	15497
39.72457	-84.17991	17864
39.72458	-84.17990	20959
39.72459	-84.17989	20902
39.72460	-84.17988	23203
39.72461	-84.17986	23124
39.72463	-84.17984	24468
39.72463	-84.17985	24493
39.72464	-84.17984	23132
39.72465	-84.17983	22401
39.72467	-84.17982	23021
39.72468	-84.17981	21783
39.72469	-84.17980	19807
39.72470	-84.17979	20299
39.72471	-84.17978	20382
39.72471	-84.17978	20791
39.72471	-84.17978	20233
39.72476	-84.17973	20797
39.72476	-84.17973	20343
39.72476	-84.17973	20274
39.72475	-84.17974	20808
39.72473	-84.17975	21521
39.72471	-84.17979	20636

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72530	-84.17957	14491
39.72529	-84.17956	13202
39.72527	-84.17957	14020
39.72527	-84.17957	15877
39.72526	-84.17957	14131
39.72524	-84.17957	14640
39.72523	-84.17958	14567
39.72523	-84.17958	15032
39.72521	-84.17958	14781
39.72520	-84.17958	14597
39.72519	-84.17958	14426
39.72518	-84.17959	15739
39.72517	-84.17959	15283
39.72516	-84.17959	14765
39.72515	-84.17959	13972
39.72514	-84.17960	13822
39.72513	-84.17960	13442
39.72512	-84.17960	15420
39.72511	-84.17960	13790
39.72510	-84.17960	14606
39.72509	-84.17961	16694
39.72508	-84.17961	16365
39.72507	-84.17961	15613
39.72506	-84.17961	14786
39.72505	-84.17962	14734
39.72504	-84.17962	14198
39.72503	-84.17962	14175
39.72502	-84.17962	13807
39.72501	-84.17962	14433
39.72500	-84.17963	14670
39.72499	-84.17963	14552
39.72498	-84.17963	15070
39.72497	-84.17963	15103
39.72496	-84.17963	15072
39.72495	-84.17963	17853
39.72494	-84.17964	19593
39.72493	-84.17964	18361
39.72491	-84.17964	20237
39.72491	-84.17964	19463
39.72489	-84.17964	18661

39.72469	-84.17979	20602
39.72470	-84.17978	20727
39.72469	-84.17979	22860
39.72467	-84.17980	22007
39.72465	-84.17982	23631
39.72463	-84.17984	23069
39.72463	-84.17984	22062
39.72461	-84.17986	23242
39.72459	-84.17987	21496
39.72458	-84.17990	20346
39.72457	-84.17989	20555
39.72455	-84.17990	18871
39.72454	-84.17992	15981
39.72455	-84.17991	17704
39.72457	-84.17990	18756
39.72458	-84.17989	21236
39.72459	-84.17987	21474
39.72461	-84.17986	21489
39.72462	-84.17985	21149
39.72463	-84.17983	20909
39.72464	-84.17982	21437
39.72466	-84.17981	21675
39.72467	-84.17980	21801
39.72468	-84.17979	21181
39.72469	-84.17977	21469
39.72471	-84.17977	21173
39.72472	-84.17977	19588
39.72472	-84.17977	20005
39.72472	-84.17975	20470
39.72473	-84.17974	21022
39.72473	-84.17974	20531
39.72474	-84.17974	19730
39.72473	-84.17974	21702
39.72474	-84.17975	21003
39.72472	-84.17978	21197
39.72473	-84.17976	20754
39.72470	-84.17977	21105
39.72469	-84.17977	21711
39.72468	-84.17977	21186
39.72468	-84.17977	21072

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72488	-84.17965	20917
39.72488	-84.17965	20061
39.72486	-84.17965	20006
39.72485	-84.17965	18774
39.72484	-84.17966	19624
39.72483	-84.17966	19403
39.72534	-84.17957	20634
39.72533	-84.17957	21373
39.72532	-84.17957	20512
39.72531	-84.17958	20047
39.72530	-84.17958	18496
39.72529	-84.17958	16448
39.72528	-84.17958	15856
39.72527	-84.17958	15320
39.72526	-84.17959	15340
39.72525	-84.17959	14406
39.72524	-84.17959	13802
39.72523	-84.17959	13826
39.72522	-84.17960	13965
39.72521	-84.17959	16131
39.72519	-84.17960	14520
39.72518	-84.17960	14465
39.72518	-84.17960	15582
39.72516	-84.17960	16340
39.72515	-84.17961	16648
39.72514	-84.17961	17155
39.72513	-84.17961	18074
39.72512	-84.17961	21177
39.72511	-84.17961	18792
39.72510	-84.17962	19352
39.72509	-84.17962	18389
39.72508	-84.17962	17077
39.72507	-84.17962	16010
39.72506	-84.17963	15734
39.72505	-84.17963	18086
39.72504	-84.17963	19705
39.72503	-84.17963	20746
39.72502	-84.17963	22320
39.72501	-84.17964	22212
39.72500	-84.17964	21517

39.72467	-84.17978	21520
39.72466	-84.17979	21409
39.72465	-84.17980	21628
39.72463	-84.17982	21944
39.72462	-84.17983	22003
39.72461	-84.17984	22694
39.72460	-84.17985	22685
39.72458	-84.17988	22505
39.72457	-84.17989	21637
39.72456	-84.17990	20243
39.72455	-84.17990	18602
39.72454	-84.17990	16313
39.72455	-84.17989	17574
39.72456	-84.17988	20887
39.72457	-84.17986	20351
39.72459	-84.17985	20928
39.72459	-84.17985	22214
39.72461	-84.17983	21787
39.72462	-84.17981	22235
39.72463	-84.17980	20782
39.72463	-84.17981	21765
39.72465	-84.17980	21607
39.72466	-84.17980	22034
39.72467	-84.17979	21967
39.72467	-84.17979	21530
39.72467	-84.17979	21708
39.72466	-84.17979	21567
39.72465	-84.17979	22096
39.72464	-84.17979	21627
39.72463	-84.17979	20860
39.72462	-84.17981	21404
39.72461	-84.17983	21329
39.72459	-84.17984	20725
39.72458	-84.17985	21623
39.72457	-84.17985	21713
39.72456	-84.17986	20999
39.72454	-84.17987	20311
39.72453	-84.17988	17406
39.72453	-84.17987	15529
39.72454	-84.17986	19418

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72499	-84.17964	21330
39.72498	-84.17964	22189
39.72497	-84.17965	20790
39.72496	-84.17965	19031
39.72495	-84.17965	18080
39.72494	-84.17965	19702
39.72493	-84.17965	19255
39.72492	-84.17966	20745
39.72491	-84.17966	21313
39.72490	-84.17966	19890
39.72489	-84.17966	19540
39.72488	-84.17966	20419
39.72486	-84.17966	20528
39.72486	-84.17967	19337
39.72485	-84.17967	18585
39.72483	-84.17967	17766
39.72534	-84.17958	19521
39.72533	-84.17958	21020
39.72532	-84.17959	21607
39.72531	-84.17959	21825
39.72530	-84.17959	20546
39.72529	-84.17959	19114
39.72528	-84.17959	19183
39.72527	-84.17960	19998
39.72526	-84.17960	20462
39.72525	-84.17960	20556
39.72524	-84.17960	20518
39.72523	-84.17961	20322
39.72522	-84.17961	19158
39.72521	-84.17961	20332
39.72520	-84.17961	20229
39.72519	-84.17961	19779
39.72518	-84.17962	19866
39.72517	-84.17962	20641
39.72516	-84.17962	20515
39.72515	-84.17962	20489
39.72513	-84.17963	20485
39.72513	-84.17962	20578
39.72511	-84.17963	19733
39.72510	-84.17963	19569

39.72455	-84.17986	19892
39.72456	-84.17985	20838
39.72457	-84.17983	19999
39.72458	-84.17982	19804
39.72460	-84.17980	19420
39.72460	-84.17981	19625
39.72460	-84.17981	20575
39.72460	-84.17982	20522
39.72459	-84.17982	19897
39.72459	-84.17982	21459
39.72459	-84.17982	20765
39.72457	-84.17982	20856
39.72455	-84.17984	20565
39.72455	-84.17985	20538
39.72453	-84.17987	18797
39.72452	-84.17986	17046
39.72453	-84.17985	17100
39.72453	-84.17985	20123
39.72455	-84.17983	20331
39.72457	-84.17982	20830
39.72458	-84.17982	20972
39.72459	-84.17981	20944
39.72455	-84.17982	21087
39.72455	-84.17982	20889
39.72455	-84.17982	21382
39.72455	-84.17982	20821
39.72450	-84.17986	21313
39.72450	-84.17986	22595
39.72450	-84.17986	18400
39.72452	-84.17984	16063
39.72452	-84.17984	18360
39.72453	-84.17983	18495
39.72453	-84.17984	19143
39.72454	-84.17983	21011
39.72454	-84.17983	21723
39.72454	-84.17981	20758
39.72454	-84.17980	19964
39.72453	-84.17982	20197
39.72453	-84.17982	20765
39.72453	-84.17982	20748

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72509	-84.17963	20967
39.72508	-84.17963	21222
39.72507	-84.17964	20854
39.72506	-84.17964	21181
39.72505	-84.17964	21566
39.72504	-84.17964	20938
39.72503	-84.17964	21650
39.72502	-84.17965	21589
39.72501	-84.17965	21395
39.72500	-84.17965	22063
39.72499	-84.17965	19884
39.72498	-84.17966	20093
39.72497	-84.17966	19618
39.72496	-84.17966	19744
39.72495	-84.17966	19351
39.72494	-84.17966	20496
39.72493	-84.17967	20835
39.72492	-84.17967	21660
39.72491	-84.17967	22028
39.72490	-84.17967	22486
39.72489	-84.17968	21536
39.72488	-84.17968	21979
39.72487	-84.17968	20463
39.72486	-84.17968	20760
39.72485	-84.17968	19631
39.72533	-84.17960	22108
39.72532	-84.17960	20316
39.72531	-84.17960	20440
39.72530	-84.17960	19412
39.72529	-84.17961	20063
39.72528	-84.17961	19986
39.72527	-84.17961	18980
39.72526	-84.17961	19471
39.72525	-84.17961	20152
39.72524	-84.17962	20784
39.72523	-84.17962	19739
39.72522	-84.17962	19683
39.72521	-84.17962	18344
39.72520	-84.17963	19303
39.72519	-84.17963	18892

39.72453	-84.17982	19819
39.72451	-84.17983	19746
39.72451	-84.17983	18818
39.72450	-84.17983	18282
39.72449	-84.17984	15971
39.72450	-84.17983	16896
39.72451	-84.17982	17782
39.72451	-84.17982	19534
39.72451	-84.17982	19895
39.72452	-84.17978	19968
39.72452	-84.17978	21049
39.72452	-84.17978	19977
39.72452	-84.17979	19901
39.72451	-84.17980	20153
39.72451	-84.17980	19734
39.72450	-84.17981	18686
39.72449	-84.17982	17757
39.72449	-84.17982	19194
39.72448	-84.17982	20018
39.72447	-84.17982	17441
39.72448	-84.17982	16091
39.72448	-84.17982	15062
39.72448	-84.17982	16442
39.72449	-84.17982	17273
39.72449	-84.17982	18815
39.72449	-84.17982	18623
39.72447	-84.17981	18037
39.72447	-84.17981	17763
39.72447	-84.17981	17587
39.72449	-84.17979	17269
39.72450	-84.17978	17985
39.72450	-84.17978	17526
39.72451	-84.17977	17322
39.72451	-84.17977	18410
39.72451	-84.17977	19863
39.72449	-84.17976	19108
39.72449	-84.17976	19229
39.72449	-84.17976	20647
39.72449	-84.17976	19631
39.72449	-84.17976	19691

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72518	-84.17963	20145
39.72517	-84.17963	18566
39.72516	-84.17963	18443
39.72515	-84.17964	19356
39.72514	-84.17964	19787
39.72513	-84.17964	19261
39.72512	-84.17964	19404
39.72511	-84.17964	18411
39.72510	-84.17965	19442
39.72508	-84.17965	19263
39.72508	-84.17965	18933
39.72506	-84.17965	19465
39.72505	-84.17966	19899
39.72504	-84.17966	18847
39.72503	-84.17966	18432
39.72502	-84.17966	18243
39.72501	-84.17966	18295
39.72500	-84.17966	18761
39.72499	-84.17967	20155
39.72498	-84.17967	19582
39.72497	-84.17967	20697
39.72496	-84.17967	20371
39.72495	-84.17967	19825
39.72494	-84.17968	18380
39.72493	-84.17968	17321
39.72492	-84.17968	17584
39.72491	-84.17968	18131
39.72490	-84.17969	16989
39.72489	-84.17969	17315
39.72488	-84.17969	17769
39.72487	-84.17969	17171
39.72486	-84.17969	16474
39.72532	-84.17961	17127
39.72531	-84.17962	16446
39.72530	-84.17962	16966
39.72529	-84.17962	15625
39.72528	-84.17962	16223
39.72527	-84.17962	16654
39.72526	-84.17962	16959
39.72525	-84.17963	16974

39.72449	-84.17976	18526
39.72449	-84.17977	17936
39.72447	-84.17979	17948
39.72447	-84.17979	17884
39.72448	-84.17977	17087
39.72449	-84.17977	17745
39.72450	-84.17976	18110
39.72450	-84.17976	17413
39.72448	-84.17977	17137
39.72448	-84.17978	17770
39.72447	-84.17978	18478
39.72447	-84.17978	16449
39.72448	-84.17977	16936
39.72448	-84.17977	16479
39.72449	-84.17977	14189
39.72449	-84.17975	14997
39.72450	-84.17975	17046
39.72450	-84.17975	16776
39.72450	-84.17975	17179
39.72449	-84.17975	17957
39.72449	-84.17975	17686
39.72449	-84.17975	16198
39.72449	-84.17975	16014
39.72449	-84.17975	16044
39.72449	-84.17975	17125
39.72449	-84.17975	17022
39.72448	-84.17976	13610
39.72448	-84.17977	15005
39.72448	-84.17977	15695
39.72447	-84.17978	15680
39.72446	-84.17979	16265
39.72446	-84.17979	15335
39.72414	-84.18035	23643
39.72414	-84.18035	24457
39.72414	-84.18035	25081
39.72414	-84.18035	24343
39.72414	-84.18034	22826
39.72414	-84.18032	22582
39.72414	-84.18031	23041
39.72414	-84.18032	23952

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72524	-84.17963	16159
39.72523	-84.17963	17065
39.72522	-84.17963	16361
39.72521	-84.17964	16882
39.72520	-84.17964	17304
39.72519	-84.17964	17372
39.72518	-84.17964	17213
39.72517	-84.17964	17763
39.72516	-84.17965	16790
39.72515	-84.17965	16219
39.72514	-84.17965	17061
39.72513	-84.17965	16104
39.72512	-84.17966	16626
39.72511	-84.17966	15782
39.72510	-84.17966	15873
39.72509	-84.17966	15482
39.72508	-84.17966	15709
39.72507	-84.17967	16467
39.72506	-84.17967	15581
39.72505	-84.17967	17512
39.72503	-84.17967	17630
39.72503	-84.17967	16312
39.72502	-84.17968	16893
39.72500	-84.17968	16611
39.72499	-84.17968	15783
39.72498	-84.17968	16405
39.72497	-84.17969	16025
39.72496	-84.17969	15539
39.72495	-84.17969	15468
39.72494	-84.17969	16016
39.72493	-84.17969	16740
39.72492	-84.17969	19090
39.72491	-84.17970	16761
39.72490	-84.17970	16592
39.72489	-84.17970	16372
39.72488	-84.17970	16427
39.72487	-84.17970	17642
39.72486	-84.17971	16093
39.72532	-84.17963	16117
39.72530	-84.17963	17893

39.72414	-84.18029	23941
39.72414	-84.18030	24736
39.72414	-84.18030	23921
39.72414	-84.18030	24104
39.72414	-84.18031	24300
39.72414	-84.18031	23621
39.72415	-84.18030	22555
39.72417	-84.18029	22973
39.72420	-84.18029	25052
39.72420	-84.18028	23571
39.72422	-84.18026	22549
39.72422	-84.18026	23013
39.72422	-84.18025	23503
39.72423	-84.18025	22983
39.72423	-84.18025	21544
39.72423	-84.18024	23238
39.72424	-84.18023	22438
39.72424	-84.18023	23890
39.72425	-84.18022	23231
39.72425	-84.18021	24036
39.72426	-84.18021	24243
39.72426	-84.18020	23746
39.72426	-84.18020	23936
39.72426	-84.18019	24367
39.72427	-84.18019	24487
39.72428	-84.18018	23261
39.72429	-84.18016	24521
39.72429	-84.18016	24249
39.72430	-84.18015	23902
39.72431	-84.18013	24201
39.72431	-84.18013	23685
39.72431	-84.18012	22152
39.72431	-84.18012	22327
39.72432	-84.18012	22643
39.72432	-84.18010	23227
39.72434	-84.18009	23425
39.72435	-84.18008	23007
39.72437	-84.18007	22030
39.72437	-84.18006	22131
39.72438	-84.18006	22395

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72529	-84.17963	17097
39.72528	-84.17964	16973
39.72527	-84.17964	16278
39.72526	-84.17964	17016
39.72525	-84.17964	14705
39.72524	-84.17964	13896
39.72523	-84.17965	13229
39.72522	-84.17965	14722
39.72521	-84.17965	14431
39.72520	-84.17965	14659
39.72519	-84.17966	15180
39.72518	-84.17965	15190
39.72517	-84.17966	14296
39.72516	-84.17966	13951
39.72515	-84.17966	14544
39.72514	-84.17966	14627
39.72513	-84.17967	14422
39.72512	-84.17967	13328
39.72511	-84.17967	13580
39.72510	-84.17967	14289
39.72509	-84.17967	15566
39.72508	-84.17968	17720
39.72507	-84.17968	16651
39.72506	-84.17968	17686
39.72505	-84.17968	17578
39.72504	-84.17969	17027
39.72503	-84.17969	17916
39.72501	-84.17969	16848
39.72501	-84.17969	15999
39.72500	-84.17969	17056
39.72498	-84.17970	16670
39.72497	-84.17970	16182
39.72497	-84.17970	16199
39.72495	-84.17970	15266
39.72494	-84.17970	16215
39.72494	-84.17971	16748
39.72492	-84.17971	16759
39.72491	-84.17971	15857
39.72490	-84.17971	18564
39.72489	-84.17972	16627

39.72438	-84.18006	23813
39.72440	-84.18002	22761
39.72440	-84.18002	22895
39.72440	-84.18002	23852
39.72440	-84.18003	22192
39.72440	-84.18005	22938
39.72439	-84.18006	23305
39.72438	-84.18007	23662
39.72437	-84.18009	25078
39.72435	-84.18010	23647
39.72434	-84.18011	23376
39.72433	-84.18013	22614
39.72431	-84.18014	22628
39.72429	-84.18015	24515
39.72428	-84.18016	24037
39.72427	-84.18017	22457
39.72427	-84.18018	22933
39.72427	-84.18018	22312
39.72427	-84.18018	22935
39.72426	-84.18019	23283
39.72425	-84.18021	22200
39.72424	-84.18023	23730
39.72424	-84.18024	24236
39.72423	-84.18025	24660
39.72422	-84.18026	24814
39.72421	-84.18028	23722
39.72418	-84.18031	24899
39.72418	-84.18031	24165
39.72417	-84.18032	23339
39.72416	-84.18032	21989
39.72416	-84.18033	24014
39.72417	-84.18034	23252
39.72418	-84.18032	23510
39.72418	-84.18032	22549
39.72420	-84.18030	21750
39.72422	-84.18028	23127
39.72422	-84.18028	22840
39.72422	-84.18027	23372
39.72423	-84.18025	23078
39.72425	-84.18024	23493

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72488	-84.17972	16574
39.72487	-84.17972	16896
39.72531	-84.17964	17335
39.72530	-84.17965	16554
39.72528	-84.17965	17424
39.72528	-84.17965	17604
39.72527	-84.17965	17128
39.72525	-84.17965	17220
39.72524	-84.17966	17928
39.72524	-84.17966	18205
39.72522	-84.17966	17291
39.72521	-84.17966	18638
39.72520	-84.17967	18502
39.72519	-84.17967	18615
39.72518	-84.17967	17834
39.72517	-84.17967	17495
39.72516	-84.17967	17426
39.72515	-84.17968	18699
39.72514	-84.17968	18546
39.72513	-84.17968	18220
39.72512	-84.17968	16934
39.72511	-84.17969	16459
39.72510	-84.17968	17006
39.72509	-84.17969	16141
39.72508	-84.17969	15762
39.72507	-84.17969	16637
39.72506	-84.17969	17261
39.72505	-84.17970	17034
39.72504	-84.17970	16605
39.72503	-84.17970	17318
39.72502	-84.17970	17945
39.72501	-84.17970	17227
39.72500	-84.17971	16794
39.72499	-84.17971	18342
39.72498	-84.17971	18010
39.72497	-84.17971	18097
39.72496	-84.17972	17531
39.72495	-84.17972	18418
39.72493	-84.17972	18330
39.72492	-84.17972	18029

39.72426	-84.18023	24350
39.72427	-84.18022	24139
39.72429	-84.18021	23119
39.72427	-84.18019	23537
39.72427	-84.18019	22594
39.72427	-84.18019	23623
39.72430	-84.18013	23702
39.72430	-84.18013	23882
39.72430	-84.18013	22302
39.72430	-84.18013	22295
39.72430	-84.18013	22783
39.72435	-84.18007	22659
39.72435	-84.18007	22706
39.72436	-84.18007	22655
39.72436	-84.18006	22097
39.72436	-84.18007	22407
39.72437	-84.18006	22545
39.72437	-84.18007	23022
39.72437	-84.18007	23873
39.72437	-84.18007	24008
39.72437	-84.18008	23979
39.72437	-84.18010	24158
39.72437	-84.18012	23809
39.72437	-84.18012	22444
39.72436	-84.18011	22997
39.72435	-84.18011	23901
39.72433	-84.18012	23583
39.72433	-84.18014	22526
39.72431	-84.18016	22603
39.72427	-84.18018	21984
39.72427	-84.18018	23774
39.72426	-84.18019	22725
39.72425	-84.18019	23271
39.72423	-84.18019	22447
39.72424	-84.18020	21716
39.72425	-84.18022	23182
39.72426	-84.18024	22393
39.72425	-84.18025	22271
39.72423	-84.18026	22172
39.72424	-84.18028	22807

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72492	-84.17972	18750
39.72490	-84.17973	17863
39.72489	-84.17973	17432
39.72488	-84.17973	18059
39.72487	-84.17973	18916
39.72530	-84.17966	17409
39.72529	-84.17966	17658
39.72528	-84.17966	17494
39.72527	-84.17967	17478
39.72526	-84.17967	17442
39.72525	-84.17967	18252
39.72523	-84.17967	18167
39.72523	-84.17967	18807
39.72522	-84.17968	17747
39.72520	-84.17968	18694
39.72519	-84.17968	17867
39.72519	-84.17968	17439
39.72517	-84.17968	18525
39.72516	-84.17969	17934
39.72515	-84.17969	17881
39.72514	-84.17969	18671
39.72513	-84.17969	18381
39.72512	-84.17970	17069
39.72511	-84.17970	18232
39.72510	-84.17970	17309
39.72509	-84.17970	17457
39.72508	-84.17970	17898
39.72507	-84.17971	16991
39.72506	-84.17971	18695
39.72505	-84.17971	18945
39.72504	-84.17971	19383
39.72503	-84.17972	19387
39.72502	-84.17971	17713
39.72501	-84.17972	18180
39.72500	-84.17972	17801
39.72499	-84.17972	18739
39.72498	-84.17972	17731
39.72497	-84.17973	17382
39.72496	-84.17973	17463
39.72495	-84.17973	17921

39.72421	-84.18029	23564
39.72422	-84.18030	23517
39.72422	-84.18031	23057
39.72422	-84.18032	24564
39.72421	-84.18032	23821
39.72420	-84.18034	23348
39.72419	-84.18034	22030
39.72418	-84.18034	21979
39.72418	-84.18035	22709
39.72418	-84.18036	23283
39.72418	-84.18036	22102
39.72418	-84.18035	23113
39.72418	-84.18035	23287
39.72419	-84.18034	23074
39.72419	-84.18034	22376
39.72421	-84.18033	22225
39.72421	-84.18032	22158
39.72423	-84.18030	22240
39.72423	-84.18029	22206
39.72426	-84.18029	22834
39.72427	-84.18028	22566
39.72427	-84.18026	22191
39.72427	-84.18025	22005
39.72429	-84.18024	23311
39.72430	-84.18022	22633
39.72431	-84.18021	23253
39.72432	-84.18020	22699
39.72430	-84.18019	22247
39.72431	-84.18018	22304
39.72432	-84.18017	23775
39.72432	-84.18017	22867
39.72434	-84.18015	22500
39.72436	-84.18014	23059
39.72436	-84.18014	23912
39.72437	-84.18012	23809
39.72436	-84.18011	23028
39.72441	-84.18010	23765
39.72441	-84.18010	23133
39.72441	-84.18010	22340
39.72436	-84.18011	23949

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72494	-84.17973	17741
39.72493	-84.17973	17868
39.72492	-84.17974	17680
39.72491	-84.17974	17634
39.72490	-84.17974	18094
39.72489	-84.17974	18510
39.72530	-84.17967	17568
39.72529	-84.17968	18517
39.72528	-84.17968	18223
39.72527	-84.17968	18677
39.72526	-84.17968	17800
39.72525	-84.17968	17836
39.72524	-84.17968	17266
39.72523	-84.17969	18721
39.72522	-84.17969	18666
39.72521	-84.17969	17797
39.72520	-84.17969	18495
39.72519	-84.17970	17716
39.72518	-84.17970	17344
39.72517	-84.17970	16426
39.72515	-84.17970	16919
39.72514	-84.17970	15832
39.72514	-84.17971	16808
39.72512	-84.17971	17908
39.72511	-84.17971	17835
39.72510	-84.17971	18041
39.72509	-84.17971	19258
39.72508	-84.17972	18327
39.72507	-84.17972	17265
39.72506	-84.17972	18534
39.72505	-84.17972	18844
39.72504	-84.17973	17404
39.72503	-84.17973	18811
39.72502	-84.17973	17487
39.72501	-84.17973	17009
39.72500	-84.17973	17981
39.72499	-84.17974	18568
39.72498	-84.17974	18215
39.72497	-84.17974	19049
39.72496	-84.17974	18590

39.72436	-84.18011	23681
39.72436	-84.18011	23141
39.72438	-84.18009	23233
39.72441	-84.18004	23958
39.72438	-84.18009	23577
39.72439	-84.18009	22602
39.72439	-84.18009	22303
39.72439	-84.18010	22823
39.72438	-84.18011	23699
39.72436	-84.18010	23490
39.72435	-84.18011	22386
39.72437	-84.18011	21856
39.72436	-84.18013	21766
39.72435	-84.18014	20808
39.72434	-84.18014	22659
39.72433	-84.18015	23342
39.72432	-84.18016	23409
39.72432	-84.18017	21986
39.72432	-84.18019	21972
39.72431	-84.18019	22594
39.72431	-84.18019	22681
39.72429	-84.18022	22148
39.72428	-84.18023	22278
39.72428	-84.18024	22855
39.72427	-84.18025	22128
39.72425	-84.18026	22516
39.72424	-84.18028	22142
39.72423	-84.18029	22903
39.72426	-84.18028	23490
39.72421	-84.18031	22526
39.72421	-84.18031	22603
39.72421	-84.18031	23371
39.72417	-84.18035	22659
39.72417	-84.18035	22901
39.72417	-84.18035	23849
39.72417	-84.18035	23147
39.72417	-84.18035	23387
39.72419	-84.18033	22478
39.72419	-84.18033	22512
39.72419	-84.18033	22572

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72495	-84.17975	18032
39.72494	-84.17974	18291
39.72493	-84.17975	19694
39.72492	-84.17975	18482
39.72491	-84.17975	19229
39.72490	-84.17975	18435
39.72489	-84.17976	18810
39.72529	-84.17969	18842
39.72528	-84.17969	19311
39.72527	-84.17969	19165
39.72526	-84.17970	18335
39.72525	-84.17970	21149
39.72524	-84.17970	20569
39.72523	-84.17970	20662
39.72522	-84.17970	20775
39.72521	-84.17971	19879
39.72520	-84.17971	20107
39.72519	-84.17971	19770
39.72518	-84.17971	19534
39.72517	-84.17971	20009
39.72516	-84.17971	19706
39.72515	-84.17972	18922
39.72514	-84.17972	19386
39.72513	-84.17972	18472
39.72512	-84.17972	18464
39.72511	-84.17973	18660
39.72509	-84.17973	18845
39.72509	-84.17973	18370
39.72507	-84.17973	18099
39.72506	-84.17973	18377
39.72505	-84.17974	20234
39.72504	-84.17974	20015
39.72503	-84.17974	20180
39.72502	-84.17974	19435
39.72501	-84.17974	19925
39.72500	-84.17975	19528
39.72499	-84.17975	20174
39.72498	-84.17975	21886
39.72497	-84.17975	20661
39.72496	-84.17976	20346

39.72420	-84.18033	22592
39.72422	-84.18033	22493
39.72424	-84.18032	23362
39.72424	-84.18030	23725
39.72425	-84.18029	23831
39.72427	-84.18028	23294
39.72428	-84.18026	23233
39.72429	-84.18025	23199
39.72430	-84.18024	23394
39.72431	-84.18022	21957
39.72431	-84.18021	22038
39.72431	-84.18022	22386
39.72433	-84.18020	21425
39.72434	-84.18018	22376
39.72435	-84.18017	22312
39.72436	-84.18015	22342
39.72437	-84.18013	23254
39.72438	-84.18011	21818
39.72440	-84.18010	22605
39.72440	-84.18008	23498
39.72440	-84.18009	24481
39.72441	-84.18009	23458
39.72441	-84.18010	23838
39.72442	-84.18009	23219
39.72441	-84.18010	21912
39.72439	-84.18011	22567
39.72439	-84.18012	23929
39.72439	-84.18013	23579
39.72437	-84.18015	22675
39.72435	-84.18017	23646
39.72434	-84.18018	22899
39.72433	-84.18019	22926
39.72433	-84.18020	22763
39.72432	-84.18022	24200
39.72430	-84.18024	24206
39.72428	-84.18025	22885
39.72427	-84.18027	22622
39.72426	-84.18028	22132
39.72426	-84.18028	24273
39.72425	-84.18030	23802

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72495	-84.17976	21107
39.72494	-84.17976	20785
39.72493	-84.17976	21800
39.72492	-84.17976	20966
39.72491	-84.17977	20427
39.72490	-84.17977	18540
39.72528	-84.17970	18974
39.72527	-84.17971	19638
39.72526	-84.17971	18899
39.72525	-84.17971	19020
39.72524	-84.17971	19459
39.72523	-84.17971	18997
39.72522	-84.17972	18862
39.72521	-84.17972	18687
39.72520	-84.17972	17516
39.72519	-84.17972	18878
39.72518	-84.17973	18970
39.72517	-84.17973	18216
39.72516	-84.17973	17636
39.72515	-84.17973	17100
39.72514	-84.17973	16860
39.72513	-84.17974	18254
39.72512	-84.17974	18647
39.72511	-84.17974	20054
39.72510	-84.17974	19103
39.72509	-84.17974	19271
39.72507	-84.17974	20468
39.72507	-84.17975	20701
39.72506	-84.17975	19663
39.72504	-84.17975	21010
39.72503	-84.17975	21237
39.72502	-84.17976	20225
39.72501	-84.17976	19185
39.72500	-84.17976	20497
39.72499	-84.17976	19689
39.72498	-84.17976	19153
39.72497	-84.17977	19470
39.72496	-84.17977	19983
39.72495	-84.17977	20136
39.72494	-84.17977	19341

39.72424	-84.18032	24238
39.72423	-84.18033	23352
39.72421	-84.18035	23946
39.72419	-84.18036	24832
39.72419	-84.18036	24360
39.72419	-84.18037	24200
39.72420	-84.18036	23192
39.72421	-84.18035	23303
39.72421	-84.18034	22695
39.72421	-84.18033	22313
39.72423	-84.18031	23249
39.72425	-84.18030	22882
39.72427	-84.18029	24191
39.72428	-84.18028	23937
39.72427	-84.18026	23439
39.72428	-84.18025	22877
39.72431	-84.18025	23099
39.72431	-84.18023	23639
39.72432	-84.18021	22906
39.72431	-84.18021	22269
39.72435	-84.18018	22706
39.72436	-84.18016	22939
39.72437	-84.18016	22917
39.72438	-84.18013	21582
39.72439	-84.18013	22470
39.72441	-84.18012	22952
39.72442	-84.18011	23669
39.72440	-84.18012	25264
39.72442	-84.18010	22691
39.72441	-84.18009	23547
39.72441	-84.18012	22688
39.72438	-84.18011	22727
39.72440	-84.18013	23154
39.72441	-84.18010	23186
39.72441	-84.18013	22316
39.72440	-84.18015	23151
39.72439	-84.18014	23264
39.72437	-84.18016	23469
39.72436	-84.18018	23714
39.72435	-84.18019	23016

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72493	-84.17978	20249
39.72492	-84.17978	21709
39.72491	-84.17978	20679
39.72528	-84.17972	20977
39.72527	-84.17972	19377
39.72526	-84.17972	20066
39.72525	-84.17972	19736
39.72524	-84.17972	19616
39.72523	-84.17973	19828
39.72522	-84.17973	19815
39.72521	-84.17973	19716
39.72520	-84.17973	19397
39.72519	-84.17974	17611
39.72518	-84.17974	19505
39.72517	-84.17974	18767
39.72516	-84.17974	18312
39.72515	-84.17974	17632
39.72514	-84.17975	18545
39.72513	-84.17975	18913
39.72512	-84.17975	18434
39.72511	-84.17975	18797
39.72510	-84.17976	18483
39.72509	-84.17976	19187
39.72508	-84.17976	19340
39.72507	-84.17976	19273
39.72506	-84.17976	18454
39.72505	-84.17977	18486
39.72504	-84.17977	18265
39.72502	-84.17977	18883
39.72502	-84.17977	21382
39.72501	-84.17978	21358
39.72499	-84.17977	20575
39.72498	-84.17978	19332
39.72498	-84.17978	19824
39.72496	-84.17978	21515
39.72495	-84.17978	21147
39.72494	-84.17979	20807
39.72493	-84.17979	21545
39.72492	-84.17979	22637
39.72491	-84.17979	21215

39.72433	-84.18021	21571
39.72432	-84.18022	22427
39.72432	-84.18023	23650
39.72431	-84.18024	23639
39.72431	-84.18024	23113
39.72428	-84.18027	23259
39.72425	-84.18031	22637
39.72425	-84.18031	22713
39.72426	-84.18032	23372
39.72425	-84.18033	22674
39.72425	-84.18033	22316
39.72423	-84.18034	21697
39.72423	-84.18036	21748
39.72423	-84.18037	23621
39.72423	-84.18038	22587
39.72423	-84.18036	21583
39.72423	-84.18035	20984
39.72423	-84.18034	20870
39.72423	-84.18034	21832
39.72424	-84.18034	21481
39.72426	-84.18033	22521
39.72427	-84.18031	23161
39.72428	-84.18029	22822
39.72427	-84.18029	22993
39.72428	-84.18028	24312
39.72431	-84.18025	24121
39.72432	-84.18023	22933
39.72434	-84.18022	22878
39.72435	-84.18022	23871
39.72437	-84.18019	22888
39.72438	-84.18018	22796
39.72439	-84.18017	21765
39.72439	-84.18016	23227
39.72439	-84.18014	23808
39.72441	-84.18014	22860
39.72442	-84.18012	23042
39.72442	-84.18012	23402
39.72443	-84.18012	23842
39.72443	-84.18012	23177
39.72443	-84.18012	22988

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72528	-84.17973	21740
39.72526	-84.17974	20300
39.72525	-84.17974	20079
39.72524	-84.17974	20824
39.72523	-84.17974	21257
39.72522	-84.17974	19708
39.72521	-84.17974	19232
39.72520	-84.17975	19791
39.72519	-84.17975	18383
39.72518	-84.17975	18405
39.72517	-84.17975	19292
39.72516	-84.17975	20094
39.72515	-84.17976	20165
39.72514	-84.17976	19728
39.72513	-84.17976	18195
39.72512	-84.17976	17561
39.72511	-84.17977	20216
39.72510	-84.17977	19219
39.72509	-84.17977	19150
39.72508	-84.17977	19605
39.72507	-84.17977	18995
39.72506	-84.17978	19883
39.72505	-84.17978	19929
39.72504	-84.17978	21033
39.72503	-84.17978	20335
39.72502	-84.17979	21413
39.72501	-84.17979	20279
39.72500	-84.17979	21952
39.72499	-84.17979	20642
39.72498	-84.17979	20771
39.72497	-84.17980	19216
39.72496	-84.17980	19920
39.72494	-84.17980	20606
39.72493	-84.17980	20439
39.72493	-84.17981	20031
39.72527	-84.17975	19552
39.72526	-84.17975	18747
39.72524	-84.17975	19067
39.72524	-84.17976	20301
39.72523	-84.17976	19963

39.72442	-84.18013	23118
39.72440	-84.18014	22395
39.72440	-84.18015	22308
39.72438	-84.18018	23417
39.72437	-84.18019	23344
39.72436	-84.18019	24010
39.72435	-84.18021	23064
39.72435	-84.18022	22001
39.72434	-84.18023	23058
39.72433	-84.18025	23696
39.72431	-84.18026	22815
39.72430	-84.18028	23299
39.72429	-84.18030	22819
39.72428	-84.18031	22985
39.72428	-84.18033	24056
39.72427	-84.18034	24029
39.72424	-84.18036	24340
39.72425	-84.18037	21125
39.72424	-84.18038	21999
39.72423	-84.18038	23755
39.72424	-84.18038	24101
39.72424	-84.18038	22915
39.72425	-84.18038	22395
39.72425	-84.18037	23168
39.72425	-84.18037	23128
39.72432	-84.18028	22317
39.72432	-84.18028	22985
39.72432	-84.18028	22420
39.72433	-84.18027	22969
39.72434	-84.18025	22631
39.72435	-84.18023	22349
39.72436	-84.18022	23354
39.72437	-84.18020	24526
39.72438	-84.18021	24678
39.72439	-84.18019	23372
39.72440	-84.18017	23931
39.72441	-84.18016	24439
39.72442	-84.18015	22633
39.72443	-84.18014	22478
39.72444	-84.18013	23027

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72521	-84.17976	19394
39.72520	-84.17976	20033
39.72520	-84.17976	20247
39.72518	-84.17977	20708
39.72517	-84.17977	20239
39.72516	-84.17977	19895
39.72515	-84.17977	19531
39.72514	-84.17977	19889
39.72513	-84.17977	21947
39.72512	-84.17978	19358
39.72511	-84.17978	17946
39.72510	-84.17978	17474
39.72509	-84.17978	16720
39.72508	-84.17979	17633
39.72507	-84.17979	17808
39.72506	-84.17979	20102
39.72505	-84.17979	20325
39.72504	-84.17979	19133
39.72503	-84.17980	19270
39.72502	-84.17980	21028
39.72501	-84.17980	21029
39.72500	-84.17980	21048
39.72499	-84.17980	21700
39.72498	-84.17981	20809
39.72497	-84.17981	19584
39.72496	-84.17981	21281
39.72495	-84.17981	19972
39.72494	-84.17982	20753
39.72493	-84.17982	20952
39.72527	-84.17976	20816
39.72526	-84.17976	20374
39.72525	-84.17977	21232
39.72524	-84.17977	20894
39.72523	-84.17977	21081
39.72522	-84.17977	20453
39.72521	-84.17977	20171
39.72519	-84.17978	20004
39.72519	-84.17978	20620
39.72518	-84.17978	21190
39.72516	-84.17978	20762

39.72444	-84.18012	21765
39.72445	-84.18012	23459
39.72444	-84.18012	23635
39.72444	-84.18014	24232
39.72443	-84.18015	23901
39.72441	-84.18015	22970
39.72441	-84.18018	23013
39.72441	-84.18017	23267
39.72439	-84.18019	23807
39.72438	-84.18021	23713
39.72437	-84.18022	21734
39.72436	-84.18022	23578
39.72435	-84.18024	22267
39.72434	-84.18026	23624
39.72432	-84.18027	23109
39.72431	-84.18029	23492
39.72430	-84.18031	22439
39.72429	-84.18033	23510
39.72428	-84.18034	24346
39.72427	-84.18035	23733
39.72425	-84.18037	23548
39.72423	-84.18039	24131
39.72425	-84.18039	23503
39.72425	-84.18040	24812
39.72425	-84.18040	23999
39.72425	-84.18039	23529
39.72428	-84.18037	23925
39.72431	-84.18036	24493
39.72432	-84.18034	23238
39.72433	-84.18030	23857
39.72434	-84.18027	23568
39.72435	-84.18026	23305
39.72436	-84.18025	22282
39.72437	-84.18024	23923
39.72438	-84.18021	22792
39.72439	-84.18022	21953
39.72438	-84.18022	22600
39.72440	-84.18020	23774
39.72441	-84.18018	21564
39.72443	-84.18016	21207

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72515	-84.17979	20169
39.72515	-84.17979	20585
39.72513	-84.17979	21168
39.72512	-84.17979	19315
39.72511	-84.17979	18451
39.72510	-84.17980	18637
39.72509	-84.17980	19130
39.72508	-84.17980	19597
39.72507	-84.17980	16890
39.72506	-84.17980	17437
39.72505	-84.17980	16807
39.72504	-84.17981	16565
39.72503	-84.17981	15724
39.72502	-84.17981	16840
39.72501	-84.17981	17622
39.72500	-84.17982	17788
39.72499	-84.17982	18656
39.72498	-84.17982	19214
39.72497	-84.17982	18413
39.72496	-84.17982	19633
39.72495	-84.17983	19709
39.72494	-84.17983	20498
39.72493	-84.17983	20827
39.72526	-84.17978	20935
39.72525	-84.17978	20750
39.72524	-84.17978	21603
39.72523	-84.17978	22240
39.72522	-84.17978	21191
39.72521	-84.17979	20340
39.72520	-84.17979	20327
39.72519	-84.17979	20156
39.72518	-84.17979	20376
39.72517	-84.17980	19554
39.72516	-84.17980	19831
39.72515	-84.17980	20363
39.72513	-84.17980	21414
39.72513	-84.17980	20831
39.72511	-84.17981	21096
39.72510	-84.17981	21231
39.72510	-84.17981	21396

39.72441	-84.18016	23151
39.72445	-84.18014	23227
39.72447	-84.18013	22411
39.72446	-84.18012	22994
39.72446	-84.18010	22323
39.72447	-84.18011	22692
39.72444	-84.18016	22456
39.72443	-84.18017	22615
39.72442	-84.18018	23413
39.72441	-84.18019	24717
39.72440	-84.18019	22790
39.72439	-84.18021	23085
39.72438	-84.18022	22513
39.72437	-84.18023	23522
39.72436	-84.18024	23093
39.72435	-84.18025	23713
39.72434	-84.18027	22465
39.72432	-84.18028	22185
39.72432	-84.18029	22549
39.72431	-84.18031	22215
39.72429	-84.18033	23912
39.72428	-84.18035	22964
39.72428	-84.18036	23595
39.72427	-84.18038	24154
39.72427	-84.18039	24429
39.72427	-84.18040	23930
39.72426	-84.18042	22785
39.72427	-84.18042	23261
39.72425	-84.18040	22207
39.72426	-84.18039	23295
39.72428	-84.18037	25184
39.72430	-84.18036	24536
39.72433	-84.18033	23468
39.72433	-84.18033	23127
39.72433	-84.18033	22744
39.72436	-84.18028	23520
39.72438	-84.18025	22439
39.72438	-84.18025	22137
39.72439	-84.18024	22216
39.72439	-84.18022	21774

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72508	-84.17981	20412
39.72507	-84.17982	20877
39.72506	-84.17982	21053
39.72505	-84.17982	19362
39.72504	-84.17982	19000
39.72503	-84.17982	18984
39.72502	-84.17983	17394
39.72501	-84.17983	16987
39.72500	-84.17983	18301
39.72499	-84.17983	18875
39.72498	-84.17983	16468
39.72497	-84.17983	16434
39.72496	-84.17984	17067
39.72495	-84.17984	16718
39.72494	-84.17984	19810
39.72526	-84.17979	19418
39.72525	-84.17979	19751
39.72524	-84.17979	21858
39.72523	-84.17979	20794
39.72522	-84.17980	20603
39.72521	-84.17980	20532
39.72520	-84.17980	20993
39.72519	-84.17980	21333
39.72518	-84.17981	19696
39.72517	-84.17981	20307
39.72516	-84.17981	20205
39.72515	-84.17981	19977
39.72514	-84.17981	20983
39.72513	-84.17982	20149
39.72512	-84.17982	20810
39.72511	-84.17982	20946
39.72510	-84.17982	18343
39.72508	-84.17983	18663
39.72508	-84.17983	17846
39.72507	-84.17983	17024
39.72505	-84.17983	17303
39.72504	-84.17983	17548
39.72503	-84.17984	17280
39.72502	-84.17984	17268
39.72501	-84.17984	18515

39.72440	-84.18021	23245
39.72441	-84.18019	23462
39.72441	-84.18019	23290
39.72443	-84.18018	24086
39.72443	-84.18017	23390
39.72443	-84.18017	22658
39.72446	-84.18014	22023
39.72446	-84.18014	22046
39.72446	-84.18014	22751
39.72445	-84.18017	22945
39.72445	-84.18018	22723
39.72444	-84.18021	22198
39.72443	-84.18022	23730
39.72441	-84.18023	22691
39.72441	-84.18023	22930
39.72441	-84.18023	23102
39.72441	-84.18023	22592
39.72429	-84.18039	23181
39.72429	-84.18039	23326
39.72429	-84.18040	23528
39.72426	-84.18042	24155
39.72426	-84.18043	23413
39.72428	-84.18042	23375
39.72428	-84.18041	23632
39.72428	-84.18041	24366
39.72428	-84.18041	23554
39.72439	-84.18028	22123
39.72439	-84.18028	22606
39.72439	-84.18028	21613
39.72438	-84.18027	22745
39.72440	-84.18025	23752
39.72441	-84.18024	22260
39.72442	-84.18023	23497
39.72443	-84.18022	23036
39.72445	-84.18021	23339
39.72446	-84.18019	22713
39.72446	-84.18019	23476
39.72447	-84.18018	21525
39.72447	-84.18017	21934
39.72448	-84.18017	22371

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72500	-84.17984	18569
39.72499	-84.17985	18949
39.72498	-84.17985	18107
39.72497	-84.17985	18955
39.72496	-84.17985	19777
39.72495	-84.17985	19992
39.72494	-84.17986	19699
39.72525	-84.17981	19749
39.72524	-84.17981	20168
39.72523	-84.17981	19411
39.72522	-84.17981	20424
39.72521	-84.17982	19767
39.72520	-84.17982	20488
39.72519	-84.17982	19841
39.72518	-84.17982	19665
39.72517	-84.17982	20718
39.72516	-84.17982	21157
39.72515	-84.17983	21057
39.72514	-84.17983	21408
39.72513	-84.17983	21695
39.72512	-84.17983	20961
39.72511	-84.17983	22076
39.72510	-84.17984	21245
39.72509	-84.17984	20526
39.72508	-84.17984	21180
39.72507	-84.17984	19718
39.72506	-84.17984	17841
39.72505	-84.17985	19016
39.72503	-84.17985	19916
39.72503	-84.17985	19674
39.72502	-84.17985	19900
39.72500	-84.17986	20069
39.72499	-84.17986	19753
39.72499	-84.17986	20213
39.72497	-84.17986	19712
39.72496	-84.17986	20204
39.72495	-84.17987	18959
39.72525	-84.17982	18755
39.72524	-84.17982	19800
39.72523	-84.17982	19811

39.72448	-84.18020	21680
39.72447	-84.18021	21630
39.72448	-84.18017	21943
39.72447	-84.18018	20494
39.72446	-84.18019	21711
39.72445	-84.18021	22931
39.72444	-84.18023	23917
39.72443	-84.18024	23140
39.72442	-84.18024	23572
39.72441	-84.18027	22418
39.72441	-84.18027	22201
39.72441	-84.18027	22052
39.72428	-84.18042	21392
39.72428	-84.18042	22433
39.72428	-84.18042	24459
39.72428	-84.18043	26446
39.72428	-84.18043	25268
39.72428	-84.18043	24214
39.72435	-84.18034	20624
39.72435	-84.18034	22229
39.72435	-84.18034	21568
39.72435	-84.18034	22096
39.72436	-84.18034	21896
39.72436	-84.18032	21960
39.72437	-84.18031	23298
39.72437	-84.18031	22711
39.72438	-84.18030	21624
39.72438	-84.18030	20791
39.72438	-84.18030	21385
39.72442	-84.18025	21848
39.72442	-84.18025	21648
39.72442	-84.18025	21305
39.72443	-84.18024	21764
39.72446	-84.18022	23084
39.72447	-84.18021	23594
39.72448	-84.18018	21776
39.72449	-84.18017	21904
39.72450	-84.18016	21867
39.72450	-84.18016	20852
39.72448	-84.18019	21781

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72522	-84.17983	19730
39.72521	-84.17983	17020
39.72520	-84.17983	18505
39.72519	-84.17983	17307
39.72518	-84.17983	18437
39.72517	-84.17984	17656
39.72516	-84.17984	18128
39.72515	-84.17984	19132
39.72514	-84.17984	19752
39.72513	-84.17985	18752
39.72512	-84.17985	19395
39.72511	-84.17985	20062
39.72510	-84.17985	19975
39.72509	-84.17985	18855
39.72508	-84.17985	19857
39.72507	-84.17986	20308
39.72506	-84.17986	20067
39.72505	-84.17986	19542
39.72504	-84.17986	20943
39.72503	-84.17986	19933
39.72502	-84.17987	20802
39.72501	-84.17987	20491
39.72500	-84.17987	20872
39.72498	-84.17987	20542
39.72498	-84.17987	21124
39.72497	-84.17988	21063
39.72495	-84.17988	21037
39.72525	-84.17983	23097
39.72524	-84.17984	22221
39.72522	-84.17984	21687
39.72521	-84.17984	21470
39.72520	-84.17984	21218
39.72519	-84.17984	20310
39.72518	-84.17985	20773
39.72517	-84.17985	19144
39.72516	-84.17985	18304
39.72515	-84.17985	19083
39.72514	-84.17986	19426
39.72513	-84.17986	18255
39.72512	-84.17986	19091

39.72447	-84.18022	22427
39.72447	-84.18022	23988
39.72445	-84.18023	23510
39.72444	-84.18025	22470
39.72444	-84.18025	23190
39.72443	-84.18027	21928
39.72442	-84.18029	21778
39.72442	-84.18029	22767
39.72440	-84.18031	22190
39.72440	-84.18031	22372
39.72440	-84.18031	24002
39.72431	-84.18040	22209
39.72431	-84.18040	20684
39.72430	-84.18040	22148
39.72429	-84.18041	21251
39.72429	-84.18042	21570
39.72429	-84.18042	21754
39.72430	-84.18042	22028
39.72431	-84.18041	22092
39.72432	-84.18041	20266
39.72432	-84.18041	19681
39.72432	-84.18041	23338
39.72441	-84.18029	22967
39.72441	-84.18029	21892
39.72441	-84.18029	22645
39.72442	-84.18028	23190
39.72443	-84.18027	21107
39.72444	-84.18027	21086
39.72445	-84.18026	23605
39.72445	-84.18025	22403
39.72447	-84.18023	23774
39.72448	-84.18021	22995
39.72449	-84.18019	22934
39.72449	-84.18019	23006
39.72448	-84.18022	23460
39.72447	-84.18024	23488
39.72447	-84.18024	24278
39.72447	-84.18024	26348
39.72447	-84.18024	24416
39.72440	-84.18033	23351

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72511	-84.17986	19050
39.72510	-84.17986	18073
39.72509	-84.17987	18754
39.72508	-84.17987	19526
39.72507	-84.17987	18872
39.72506	-84.17987	19641
39.72505	-84.17988	17828
39.72504	-84.17988	17224
39.72503	-84.17988	16539
39.72502	-84.17988	18462
39.72501	-84.17988	18217
39.72500	-84.17989	17193
39.72499	-84.17989	17891
39.72498	-84.17989	18083
39.72497	-84.17989	18052
39.72496	-84.17989	19802
39.72525	-84.17985	18880
39.72524	-84.17985	18395
39.72523	-84.17985	20524
39.72522	-84.17985	19758
39.72520	-84.17985	20727
39.72519	-84.17986	19390
39.72519	-84.17986	18943
39.72517	-84.17986	21833
39.72516	-84.17986	20190
39.72516	-84.17987	19548
39.72514	-84.17987	18629
39.72513	-84.17987	20173
39.72512	-84.17987	20598
39.72511	-84.17987	19924
39.72510	-84.17988	19225
39.72509	-84.17988	19333
39.72508	-84.17988	20133
39.72507	-84.17988	19701
39.72506	-84.17989	19484
39.72505	-84.17989	21184
39.72504	-84.17989	19970
39.72503	-84.17989	17385
39.72502	-84.17989	17937
39.72501	-84.17990	17710

39.72440	-84.18033	22335
39.72440	-84.18033	22538
39.72439	-84.18034	22390
39.72439	-84.18034	22418
39.72439	-84.18034	22133
39.72438	-84.18036	22272
39.72438	-84.18036	23133
39.72438	-84.18036	22227
39.72437	-84.18039	22872
39.72437	-84.18039	23664
39.72437	-84.18039	23066
39.72441	-84.18030	22802
39.72441	-84.18030	22969
39.72441	-84.18030	22170
39.72441	-84.18030	22496
39.72441	-84.18030	22100
39.72441	-84.18030	22477
39.72443	-84.18030	23631
39.72443	-84.18030	23906
39.72443	-84.18030	24190
39.72442	-84.18032	23188
39.72443	-84.18031	21377
39.72443	-84.18030	22135
39.72444	-84.18029	23942
39.72444	-84.18027	24321
39.72445	-84.18025	23575
39.72446	-84.18024	23112
39.72447	-84.18021	22802
39.72448	-84.18020	23293
39.72449	-84.18018	22494
39.72449	-84.18018	22736
39.72449	-84.18018	22849
39.72457	-84.18020	23619
39.72457	-84.18020	21330
39.72457	-84.18020	19371
39.72456	-84.18019	20487
39.72455	-84.18019	23126
39.72454	-84.18018	24459
39.72452	-84.18017	22889
39.72452	-84.18016	22740

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72500	-84.17990	16983
39.72499	-84.17990	15887
39.72498	-84.17990	16158
39.72497	-84.17991	18445
39.72524	-84.17986	16609
39.72523	-84.17987	16924
39.72522	-84.17987	17135
39.72521	-84.17987	17602
39.72520	-84.17987	17566
39.72519	-84.17988	18712
39.72518	-84.17988	19759
39.72517	-84.17988	21199
39.72516	-84.17988	20013
39.72514	-84.17988	20519
39.72514	-84.17988	19215
39.72512	-84.17988	20289
39.72511	-84.17989	19414
39.72510	-84.17989	20096
39.72509	-84.17989	19323
39.72508	-84.17989	19556
39.72507	-84.17990	19367
39.72506	-84.17990	20021
39.72505	-84.17990	19732
39.72504	-84.17990	19338
39.72503	-84.17990	21671
39.72502	-84.17991	19594
39.72501	-84.17991	19272
39.72500	-84.17991	20570
39.72499	-84.17991	20688
39.72498	-84.17992	20202
39.72497	-84.17992	19081
39.72524	-84.17988	19433
39.72523	-84.17988	18558
39.72522	-84.17988	18475
39.72521	-84.17988	17547
39.72520	-84.17989	17473
39.72519	-84.17989	18570
39.72518	-84.17989	17181
39.72517	-84.17989	18182
39.72516	-84.17989	20178

39.72451	-84.18016	23104
39.72451	-84.18016	22821
39.72451	-84.18016	21830
39.72455	-84.18016	23917
39.72455	-84.18016	23165
39.72455	-84.18016	23187
39.72455	-84.18016	23261
39.72455	-84.18016	21946
39.72462	-84.18023	22610
39.72462	-84.18023	25174
39.72462	-84.18023	25224
39.72462	-84.18024	26051
39.72462	-84.18026	26298
39.72463	-84.18027	27640
39.72462	-84.18029	26338
39.72461	-84.18030	26479
39.72459	-84.18030	25798
39.72458	-84.18030	24574
39.72457	-84.18029	23246
39.72457	-84.18027	20805
39.72457	-84.18026	21835
39.72457	-84.18025	22309
39.72457	-84.18023	21912
39.72458	-84.18022	23151
39.72459	-84.18022	23154
39.72460	-84.18022	25013
39.72461	-84.18024	26209
39.72461	-84.18026	26609
39.72461	-84.18028	26157
39.72460	-84.18030	26061
39.72458	-84.18031	23995
39.72457	-84.18030	24950
39.72456	-84.18029	23002
39.72457	-84.18028	22760
39.72457	-84.18027	22168
39.72457	-84.18026	23357
39.72458	-84.18025	23490
39.72459	-84.18024	23643
39.72460	-84.18025	24048
39.72461	-84.18026	24318

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72515	-84.17990	19169
39.72514	-84.17990	20041
39.72513	-84.17990	20039
39.72512	-84.17990	20617
39.72511	-84.17991	20450
39.72509	-84.17991	20690
39.72509	-84.17991	20541
39.72507	-84.17991	20158
39.72506	-84.17991	19976
39.72505	-84.17991	19615
39.72504	-84.17991	18908
39.72503	-84.17992	20147
39.72502	-84.17992	22073
39.72501	-84.17992	19793
39.72500	-84.17992	18324
39.72499	-84.17993	18592
39.72498	-84.17993	19743
39.72523	-84.17989	21075
39.72522	-84.17989	21100
39.72521	-84.17990	20304
39.72520	-84.17990	20103
39.72519	-84.17990	21126
39.72518	-84.17990	18917
39.72517	-84.17990	18476
39.72516	-84.17991	18188
39.72515	-84.17991	17961
39.72514	-84.17991	17849
39.72513	-84.17991	17990
39.72512	-84.17992	18030
39.72511	-84.17992	19359
39.72510	-84.17992	19314
39.72509	-84.17992	21160
39.72508	-84.17992	19949
39.72507	-84.17993	19372
39.72506	-84.17993	20503
39.72504	-84.17993	19071
39.72504	-84.17993	18682
39.72503	-84.17994	19112
39.72501	-84.17994	18821
39.72500	-84.17994	19809

39.72461	-84.18028	23562
39.72461	-84.18029	23622
39.72459	-84.18029	23939
39.72458	-84.18028	22084
39.72457	-84.18027	20892
39.72457	-84.18027	20882
39.72458	-84.18027	21205
39.72459	-84.18027	22080
39.72460	-84.18027	22217
39.72460	-84.18027	23356
39.72460	-84.18027	24046
39.72460	-84.18027	23835
39.72452	-84.18018	20676
39.72452	-84.18018	23272
39.72452	-84.18018	22802
39.72451	-84.18017	22735
39.72448	-84.18017	21777
39.72447	-84.18016	22389
39.72446	-84.18016	22437
39.72444	-84.18016	23303
39.72442	-84.18017	22936
39.72441	-84.18018	22627
39.72441	-84.18019	23617
39.72439	-84.18020	24917
39.72438	-84.18021	23117
39.72436	-84.18022	22707
39.72435	-84.18022	23084
39.72433	-84.18023	23651
39.72431	-84.18024	23558
39.72429	-84.18025	23063
39.72426	-84.18026	23254
39.72425	-84.18027	22466
39.72424	-84.18028	22408
39.72423	-84.18029	22352
39.72420	-84.18030	22283
39.72418	-84.18031	23805
39.72416	-84.18032	22793
39.72414	-84.18035	24148
39.72412	-84.18035	24926
39.72411	-84.18034	23578

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72499	-84.17994	19821
39.72498	-84.17994	20137
39.72523	-84.17990	19189
39.72522	-84.17991	20909
39.72521	-84.17991	19634
39.72520	-84.17991	20980
39.72519	-84.17991	21876
39.72518	-84.17991	22284
39.72517	-84.17992	22389
39.72516	-84.17992	23139
39.72515	-84.17992	23170
39.72514	-84.17992	23539
39.72513	-84.17993	23519
39.72512	-84.17993	23953
39.72511	-84.17993	21968
39.72510	-84.17993	22573
39.72509	-84.17993	23006
39.72508	-84.17994	23168
39.72507	-84.17994	25800
39.72506	-84.17994	24905
39.72505	-84.17994	24111
39.72504	-84.17995	22542
39.72503	-84.17995	21407
39.72502	-84.17995	20028
39.72501	-84.17995	22204
39.72499	-84.17995	21703
39.72499	-84.17996	22045
39.72522	-84.17992	21983
39.72521	-84.17992	24373
39.72520	-84.17993	23947
39.72519	-84.17993	23933
39.72518	-84.17993	23314
39.72517	-84.17993	23120
39.72516	-84.17993	22393
39.72515	-84.17993	21453
39.72514	-84.17994	22466
39.72513	-84.17994	24150
39.72512	-84.17994	22647
39.72511	-84.17994	21967
39.72510	-84.17994	21085

39.72410	-84.18033	23536
39.72410	-84.18033	24387
39.72515	-84.18031	14595
39.72515	-84.18031	15081
39.72516	-84.18031	14687
39.72516	-84.18031	14305
39.72516	-84.18031	13418
39.72515	-84.18031	13455
39.72515	-84.18032	15337
39.72514	-84.18033	18327
39.72514	-84.18034	20488
39.72514	-84.18033	21332
39.72514	-84.18034	21548
39.72513	-84.18034	20684
39.72512	-84.18034	19763
39.72512	-84.18034	22100
39.72511	-84.18034	21774
39.72509	-84.18034	21818
39.72508	-84.18034	22520
39.72507	-84.18035	23467
39.72506	-84.18035	22723
39.72505	-84.18036	22427
39.72504	-84.18037	22969
39.72501	-84.18036	23522
39.72500	-84.18036	24282
39.72499	-84.18036	23325
39.72497	-84.18036	22680
39.72496	-84.18036	21744
39.72496	-84.18036	22385
39.72495	-84.18037	23549
39.72493	-84.18037	21781
39.72491	-84.18037	22018
39.72491	-84.18038	22483
39.72489	-84.18038	22637
39.72487	-84.18038	22813
39.72486	-84.18038	22368
39.72485	-84.18038	22015
39.72484	-84.18038	22301
39.72484	-84.18038	22567
39.72483	-84.18038	21834

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72509	-84.17995	22384
39.72508	-84.17995	21827
39.72507	-84.17995	22199
39.72506	-84.17995	22541
39.72505	-84.17996	23028
39.72504	-84.17996	22731
39.72503	-84.17996	23201
39.72502	-84.17996	22925
39.72501	-84.17996	22423
39.72500	-84.17997	23254
39.72523	-84.17993	23612
39.72521	-84.17994	23697
39.72520	-84.17994	24219
39.72520	-84.17994	23524
39.72518	-84.17994	22645
39.72517	-84.17995	22263
39.72516	-84.17995	22167
39.72515	-84.17995	22245
39.72514	-84.17995	22831
39.72513	-84.17995	21894
39.72512	-84.17996	22518
39.72511	-84.17996	21706
39.72510	-84.17996	21011
39.72509	-84.17996	21272
39.72508	-84.17996	20614
39.72507	-84.17997	20401
39.72506	-84.17997	21153
39.72505	-84.17997	21474
39.72504	-84.17997	22592
39.72503	-84.17997	21928
39.72502	-84.17997	21445
39.72501	-84.17998	22092
39.72500	-84.17998	22048
39.72522	-84.17995	19286
39.72521	-84.17995	20721
39.72520	-84.17995	20238
39.72519	-84.17996	20048
39.72518	-84.17996	18941
39.72516	-84.17996	19717
39.72515	-84.17996	17507

39.72482	-84.18037	21801
39.72482	-84.18037	23957
39.72482	-84.18037	23218
39.72482	-84.18037	23837
39.72482	-84.18036	23738
39.72484	-84.18036	24878
39.72483	-84.18036	22907
39.72483	-84.18036	22493
39.72485	-84.18037	23000
39.72484	-84.18035	22924
39.72485	-84.18035	22546
39.72488	-84.18036	23748
39.72487	-84.18034	23541
39.72490	-84.18036	23239
39.72491	-84.18035	23512
39.72491	-84.18034	23096
39.72492	-84.18033	23702
39.72492	-84.18032	22097
39.72495	-84.18034	21808
39.72496	-84.18033	21450
39.72498	-84.18034	21063
39.72498	-84.18033	22117
39.72501	-84.18034	22235
39.72502	-84.18034	23722
39.72504	-84.18034	24830
39.72505	-84.18034	24815
39.72506	-84.18034	23924
39.72507	-84.18034	23986
39.72508	-84.18034	23206
39.72509	-84.18033	22098
39.72509	-84.18032	22600
39.72510	-84.18031	22135
39.72511	-84.18032	21927
39.72512	-84.18032	22527
39.72512	-84.18032	20248
39.72513	-84.18031	19744
39.72512	-84.18031	20716
39.72512	-84.18031	20677
39.72511	-84.18032	21082
39.72510	-84.18032	20998

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72515	-84.17996	16724
39.72513	-84.17997	16133
39.72512	-84.17997	16442
39.72511	-84.17997	15828
39.72510	-84.17997	17905
39.72509	-84.17998	17191
39.72508	-84.17998	17312
39.72507	-84.17998	17837
39.72506	-84.17998	18957
39.72505	-84.17998	17527
39.72504	-84.17999	17712
39.72503	-84.17999	18242
39.72502	-84.17999	17481
39.72501	-84.17999	17675
39.72500	-84.17999	17726
39.72522	-84.17996	16943
39.72521	-84.17996	17298
39.72520	-84.17997	17418
39.72519	-84.17997	16521
39.72518	-84.17997	16570
39.72517	-84.17997	18795
39.72516	-84.17997	18393
39.72515	-84.17998	17918
39.72514	-84.17998	18360
39.72513	-84.17998	17779
39.72512	-84.17998	19072
39.72510	-84.17999	18745
39.72510	-84.17999	19707
39.72508	-84.17999	21073
39.72507	-84.17999	20553
39.72506	-84.17999	19458
39.72505	-84.18000	19826
39.72504	-84.18000	19207
39.72503	-84.18000	20685
39.72502	-84.18000	20878
39.72501	-84.18001	20141
39.72500	-84.18001	20577
39.72522	-84.17998	20222
39.72521	-84.17998	19577
39.72520	-84.17998	20077

39.72509	-84.18032	21606
39.72508	-84.18032	21689
39.72507	-84.18032	22147
39.72507	-84.18033	23094
39.72506	-84.18033	23815
39.72505	-84.18034	24322
39.72504	-84.18034	24473
39.72503	-84.18034	23518
39.72501	-84.18033	23978
39.72500	-84.18033	22796
39.72497	-84.18033	22511
39.72499	-84.18034	22034
39.72496	-84.18034	20896
39.72496	-84.18034	21508
39.72494	-84.18034	21028
39.72495	-84.18034	20293
39.72493	-84.18034	21681
39.72492	-84.18034	21402
39.72491	-84.18034	22503
39.72490	-84.18035	22975
39.72488	-84.18035	22744
39.72487	-84.18035	22934
39.72486	-84.18035	23107
39.72485	-84.18036	22668
39.72485	-84.18036	23381
39.72485	-84.18036	23511
39.72484	-84.18035	23400
39.72486	-84.18035	22887
39.72486	-84.18034	22022
39.72487	-84.18034	21860
39.72488	-84.18033	21885
39.72490	-84.18033	22693
39.72491	-84.18033	23261
39.72493	-84.18033	21900
39.72493	-84.18032	21951
39.72494	-84.18032	21192
39.72494	-84.18031	21240
39.72495	-84.18031	21951
39.72497	-84.18031	21773
39.72498	-84.18031	21256

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72519	-84.17998	21122
39.72518	-84.17999	19276
39.72517	-84.17999	19378
39.72516	-84.17999	18905
39.72515	-84.17999	20461
39.72514	-84.17999	20119
39.72513	-84.17999	19724
39.72512	-84.18000	20197
39.72511	-84.18000	19164
39.72510	-84.18000	18479
39.72509	-84.18000	17997
39.72508	-84.18000	18353
39.72507	-84.18001	18459
39.72505	-84.18001	18318
39.72505	-84.18001	18160
39.72504	-84.18001	18408
39.72502	-84.18002	17968
39.72501	-84.18002	18118
39.72521	-84.17999	19517
39.72520	-84.17999	19275
39.72519	-84.18000	19154
39.72518	-84.18000	19639
39.72517	-84.18000	19549
39.72516	-84.18000	19852
39.72515	-84.18000	19686
39.72514	-84.18001	20212
39.72513	-84.18001	20561
39.72512	-84.18001	20057
39.72511	-84.18001	19557
39.72510	-84.18002	18987
39.72509	-84.18002	18670
39.72508	-84.18002	18777
39.72507	-84.18002	20185
39.72506	-84.18002	20501
39.72505	-84.18002	19578
39.72503	-84.18003	19871
39.72503	-84.18003	19643
39.72502	-84.18003	19985
39.72521	-84.18000	20179
39.72520	-84.18001	20508

39.72500	-84.18031	21472
39.72502	-84.18031	22533
39.72503	-84.18031	22349
39.72505	-84.18031	22248
39.72506	-84.18030	22759
39.72507	-84.18031	22275
39.72509	-84.18030	23504
39.72510	-84.18030	22682
39.72512	-84.18030	20387
39.72513	-84.18031	20049
39.72512	-84.18029	19357
39.72513	-84.18030	19045
39.72512	-84.18029	17790
39.72513	-84.18029	18903
39.72512	-84.18029	19039
39.72511	-84.18029	18457
39.72511	-84.18030	18757
39.72510	-84.18030	20187
39.72510	-84.18030	20014
39.72508	-84.18031	21395
39.72507	-84.18031	22155
39.72506	-84.18031	22792
39.72504	-84.18031	22691
39.72503	-84.18030	22962
39.72501	-84.18031	23823
39.72501	-84.18031	22390
39.72500	-84.18031	22488
39.72498	-84.18031	21950
39.72496	-84.18032	22616
39.72497	-84.18032	21631
39.72496	-84.18032	21487
39.72495	-84.18032	21335
39.72494	-84.18032	20973
39.72493	-84.18032	21594
39.72491	-84.18032	22118
39.72490	-84.18033	22472
39.72488	-84.18032	23456
39.72487	-84.18033	22993
39.72487	-84.18033	23501
39.72487	-84.18033	23298

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72519	-84.18001	20960
39.72518	-84.18001	21338
39.72517	-84.18001	19199
39.72516	-84.18002	19814
39.72515	-84.18002	18710
39.72514	-84.18002	17391
39.72513	-84.18002	17452
39.72512	-84.18002	19690
39.72511	-84.18003	19237
39.72510	-84.18003	19568
39.72509	-84.18003	19649
39.72508	-84.18003	20594
39.72507	-84.18004	20757
39.72506	-84.18004	20297
39.72505	-84.18004	21379
39.72504	-84.18004	20828
39.72503	-84.18004	20309
39.72502	-84.18005	21835
39.72521	-84.18002	20002
39.72521	-84.18002	22765
39.72519	-84.18002	24071
39.72518	-84.18002	22187
39.72517	-84.18003	22066
39.72516	-84.18003	23095
39.72515	-84.18003	22655
39.72514	-84.18003	21364
39.72513	-84.18003	21753
39.72512	-84.18004	21194
39.72511	-84.18004	21455
39.72510	-84.18004	20958
39.72509	-84.18004	19592
39.72508	-84.18005	19692
39.72507	-84.18005	20341
39.72506	-84.18005	20348
39.72505	-84.18005	18744
39.72504	-84.18005	19483
39.72503	-84.18006	17754
39.72521	-84.18003	18528
39.72520	-84.18004	19005
39.72519	-84.18004	20131

39.72487	-84.18033	23307
39.72488	-84.18032	23742
39.72489	-84.18032	23692
39.72491	-84.18031	23182
39.72492	-84.18031	23134
39.72493	-84.18031	22305
39.72494	-84.18030	21545
39.72495	-84.18029	21055
39.72495	-84.18028	21708
39.72500	-84.18030	20995
39.72500	-84.18029	21826
39.72500	-84.18028	22465
39.72502	-84.18028	23012
39.72505	-84.18029	23619
39.72507	-84.18029	24086
39.72509	-84.18029	22467
39.72510	-84.18028	20909
39.72511	-84.18028	20155
39.72511	-84.18028	18422
39.72511	-84.18027	18246
39.72511	-84.18027	18453
39.72512	-84.18027	18459
39.72512	-84.18027	17858
39.72512	-84.18028	18341
39.72512	-84.18027	17955
39.72512	-84.18025	18253
39.72512	-84.18025	18145
39.72512	-84.18027	18103
39.72512	-84.18027	19353
39.72511	-84.18026	18828
39.72511	-84.18026	17809
39.72511	-84.18028	19301
39.72511	-84.18029	17959
39.72511	-84.18029	18405
39.72511	-84.18028	19292
39.72511	-84.18028	19607
39.72510	-84.18028	18893
39.72510	-84.18029	19868
39.72509	-84.18029	21517
39.72508	-84.18029	21418

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72517	-84.18004	19281
39.72516	-84.18004	18531
39.72516	-84.18005	18978
39.72514	-84.18005	19750
39.72513	-84.18005	19915
39.72512	-84.18005	20778
39.72511	-84.18005	19693
39.72510	-84.18005	21223
39.72509	-84.18006	20162
39.72508	-84.18006	21136
39.72507	-84.18006	22191
39.72506	-84.18006	22060
39.72505	-84.18006	22809
39.72504	-84.18007	24010
39.72503	-84.18007	21961
39.72521	-84.18005	22556
39.72520	-84.18005	22308
39.72519	-84.18005	20359
39.72518	-84.18005	20417
39.72517	-84.18006	20832
39.72516	-84.18006	19361
39.72515	-84.18006	19054
39.72514	-84.18006	18870
39.72512	-84.18006	19822
39.72511	-84.18007	19859
39.72511	-84.18007	18655
39.72509	-84.18007	17811
39.72508	-84.18007	17995
39.72507	-84.18008	18058
39.72506	-84.18008	17965
39.72505	-84.18008	19024
39.72504	-84.18008	19492
39.72503	-84.18008	20856
39.72521	-84.18006	22327
39.72520	-84.18006	21071
39.72519	-84.18006	20349
39.72518	-84.18007	21406
39.72517	-84.18007	22911
39.72516	-84.18007	22815
39.72515	-84.18007	22482

39.72507	-84.18029	21930
39.72506	-84.18030	21634
39.72505	-84.18030	24114
39.72504	-84.18030	23388
39.72502	-84.18029	24807
39.72501	-84.18029	22524
39.72500	-84.18029	22200
39.72498	-84.18029	23076
39.72497	-84.18029	23555
39.72495	-84.18030	21854
39.72494	-84.18030	21759
39.72493	-84.18030	21961
39.72492	-84.18031	22265
39.72491	-84.18031	22878
39.72491	-84.18031	23129
39.72491	-84.18030	22681
39.72491	-84.18030	22312
39.72491	-84.18030	21953
39.72490	-84.18031	23050
39.72491	-84.18031	24152
39.72490	-84.18030	23714
39.72491	-84.18031	23233
39.72491	-84.18029	22499
39.72492	-84.18029	22563
39.72493	-84.18029	22162
39.72495	-84.18029	22208
39.72496	-84.18028	22813
39.72498	-84.18028	22234
39.72499	-84.18028	21378
39.72500	-84.18027	22589
39.72501	-84.18027	23569
39.72502	-84.18026	23519
39.72504	-84.18027	24069
39.72505	-84.18026	21939
39.72506	-84.18027	21388
39.72506	-84.18026	22818
39.72506	-84.18026	22210
39.72507	-84.18025	21729
39.72506	-84.18026	21676
39.72507	-84.18026	22440

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72514	-84.18008	22792
39.72513	-84.18008	19612
39.72512	-84.18008	19284
39.72511	-84.18008	19991
39.72509	-84.18008	18763
39.72509	-84.18009	18209
39.72508	-84.18009	18869
39.72506	-84.18009	18371
39.72506	-84.18009	17232
39.72504	-84.18009	18172
39.72503	-84.18010	18069
39.72520	-84.18007	17739
39.72519	-84.18008	17513
39.72518	-84.18008	19036
39.72517	-84.18008	19984
39.72516	-84.18008	18611
39.72515	-84.18009	19296
39.72514	-84.18009	21485
39.72513	-84.18009	20434
39.72512	-84.18009	21471
39.72511	-84.18009	21772
39.72510	-84.18010	22079
39.72509	-84.18010	22081
39.72508	-84.18010	21634
39.72507	-84.18010	22664
39.72506	-84.18011	21620
39.72504	-84.18011	22305
39.72520	-84.18009	20651
39.72519	-84.18009	21786
39.72518	-84.18009	21451
39.72517	-84.18010	20910
39.72516	-84.18010	21953
39.72515	-84.18010	22488
39.72514	-84.18010	22775
39.72513	-84.18011	22682
39.72512	-84.18010	21331
39.72511	-84.18011	21305
39.72510	-84.18011	21592
39.72509	-84.18011	22137
39.72508	-84.18011	20819

39.72507	-84.18026	22600
39.72507	-84.18027	22447
39.72506	-84.18027	22051
39.72504	-84.18027	22705
39.72504	-84.18027	22823
39.72502	-84.18027	24356
39.72502	-84.18027	22642
39.72501	-84.18027	23967
39.72499	-84.18028	23718
39.72497	-84.18027	22387
39.72497	-84.18028	22352
39.72495	-84.18028	20307
39.72494	-84.18028	21752
39.72493	-84.18028	22530
39.72493	-84.18028	22713
39.72493	-84.18029	22982
39.72493	-84.18028	22682
39.72493	-84.18028	23439
39.72494	-84.18028	22461
39.72495	-84.18027	21831
39.72496	-84.18026	21380
39.72498	-84.18027	21047
39.72498	-84.18026	21258
39.72500	-84.18026	20848
39.72501	-84.18025	22713
39.72503	-84.18025	24457
39.72504	-84.18024	23827
39.72505	-84.18024	23470
39.72505	-84.18024	22240
39.72505	-84.18024	21865
39.72504	-84.18025	21561
39.72504	-84.18025	22399
39.72504	-84.18024	22276
39.72503	-84.18025	23046
39.72502	-84.18024	24119
39.72501	-84.18025	23807
39.72501	-84.18025	22825
39.72502	-84.18025	22802
39.72504	-84.18024	24033
39.72508	-84.18022	24771

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72507	-84.18012	20786
39.72506	-84.18012	18390
39.72505	-84.18012	18650
39.72520	-84.18010	19336
39.72519	-84.18010	18036
39.72518	-84.18011	17208
39.72517	-84.18011	18576
39.72516	-84.18011	18912
39.72515	-84.18011	18675
39.72514	-84.18012	18530
39.72513	-84.18012	19762
39.72512	-84.18012	19819
39.72511	-84.18012	21774
39.72510	-84.18012	20596
39.72509	-84.18013	20284
39.72508	-84.18013	20017
39.72507	-84.18013	19479
39.72506	-84.18013	18856
39.72505	-84.18014	19098
39.72520	-84.18012	20129
39.72518	-84.18012	19077
39.72517	-84.18012	19508
39.72517	-84.18012	20117
39.72515	-84.18013	20505
39.72514	-84.18013	19877
39.72513	-84.18013	18998
39.72512	-84.18013	19251
39.72511	-84.18013	19298
39.72510	-84.18014	19391
39.72509	-84.18014	19063
39.72508	-84.18014	17723
39.72507	-84.18014	19343
39.72506	-84.18015	19080
39.72505	-84.18015	18591
39.72520	-84.18013	18024
39.72519	-84.18013	18561
39.72518	-84.18013	18194
39.72517	-84.18014	18294
39.72515	-84.18014	18170
39.72515	-84.18014	18226

39.72508	-84.18022	22998
39.72505	-84.18023	22683
39.72504	-84.18024	23727
39.72505	-84.18023	23224
39.72505	-84.18023	23081
39.72505	-84.18023	24114
39.72502	-84.18025	23118
39.72503	-84.18024	23261
39.72503	-84.18024	24081
39.72503	-84.18024	23091
39.72503	-84.18024	21676
39.72504	-84.18023	22433
39.72503	-84.18023	23394
39.72505	-84.18024	24304
39.72505	-84.18023	23944
39.72506	-84.18023	24119
39.72505	-84.18023	22053
39.72504	-84.18024	24640
39.72505	-84.18024	23547
39.72505	-84.18024	24033
39.72505	-84.18024	22904
39.72506	-84.18024	23943
39.72506	-84.18027	22339
39.72508	-84.18027	23566
39.72508	-84.18029	22598
39.72510	-84.18029	20001
39.72511	-84.18029	20056
39.72512	-84.18029	19619
39.72513	-84.18028	17718
39.72515	-84.18027	12557
39.72515	-84.18027	13100
39.72515	-84.18027	12631
39.72515	-84.18027	13128
39.72498	-84.18063	16327
39.72498	-84.18063	16425
39.72498	-84.18063	16361
39.72498	-84.18063	17642
39.72499	-84.18062	15713
39.72501	-84.18059	16464
39.72500	-84.18060	15472

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72513	-84.18014	19056
39.72512	-84.18015	18659
39.72512	-84.18015	17327
39.72510	-84.18015	17177
39.72509	-84.18015	18222
39.72508	-84.18015	17690
39.72507	-84.18016	18048
39.72506	-84.18016	18087
39.72505	-84.18016	17703
39.72520	-84.18015	17378
39.72519	-84.18015	18035
39.72518	-84.18015	18290
39.72533	-84.18017	19888
39.72532	-84.18017	19592
39.72532	-84.18017	18568
39.72533	-84.18017	18729
39.72533	-84.18016	19587
39.72533	-84.18016	19110
39.72533	-84.18016	18877
39.72533	-84.18015	19055
39.72533	-84.18013	19326
39.72533	-84.18012	19017
39.72533	-84.18011	19103
39.72533	-84.18013	19714
39.72531	-84.18012	20235
39.72532	-84.17990	25393
39.72533	-84.17989	28577
39.72533	-84.17988	29865
39.72534	-84.17988	27317
39.72534	-84.17988	24383
39.72534	-84.17988	23304
39.72535	-84.17989	23849
39.72534	-84.17989	23435
39.72534	-84.17989	23283
39.72535	-84.17989	23492
39.72536	-84.17989	23235
39.72536	-84.17989	23097
39.72537	-84.17989	23331
39.72536	-84.17988	23608
39.72537	-84.17991	22997

39.72502	-84.18057	17375
39.72503	-84.18057	15823
39.72502	-84.18057	15089
39.72502	-84.18058	15633
39.72503	-84.18057	15086
39.72503	-84.18059	15811
39.72502	-84.18061	17242
39.72500	-84.18062	16734
39.72501	-84.18063	18197
39.72500	-84.18063	17515
39.72500	-84.18063	17171
39.72497	-84.18061	17654
39.72497	-84.18061	16776
39.72497	-84.18061	17292
39.72498	-84.18061	16677
39.72499	-84.18061	16334
39.72500	-84.18059	15942
39.72502	-84.18058	17052
39.72502	-84.18057	16936
39.72503	-84.18057	15481
39.72503	-84.18058	15810
39.72502	-84.18059	16972
39.72502	-84.18059	17377
39.72501	-84.18060	16481
39.72501	-84.18062	16407
39.72500	-84.18064	16039
39.72500	-84.18064	17439
39.72500	-84.18064	17241
39.72501	-84.18064	17258
39.72501	-84.18064	18349
39.72501	-84.18064	19484
39.72501	-84.18064	19567
39.72502	-84.18062	19125
39.72503	-84.18061	18026
39.72504	-84.18059	18432
39.72504	-84.18058	17933
39.72505	-84.18059	16755
39.72505	-84.18060	16781
39.72504	-84.18061	17482
39.72503	-84.18063	20367

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72536	-84.17991	23628
39.72537	-84.17993	23537
39.72535	-84.17993	23263
39.72535	-84.17994	22960
39.72534	-84.17995	21266
39.72535	-84.17996	21333
39.72533	-84.17994	22025
39.72534	-84.17997	22290
39.72534	-84.17997	21168
39.72534	-84.17998	22603
39.72533	-84.17998	21729
39.72533	-84.17998	21459
39.72533	-84.17998	22031
39.72532	-84.17999	22628
39.72532	-84.17999	22140
39.72532	-84.17999	20839
39.72531	-84.18000	19691
39.72531	-84.18000	21578
39.72531	-84.18000	21770
39.72531	-84.18000	22134
39.72531	-84.18000	22293
39.72531	-84.18000	21727
39.72532	-84.18000	21834
39.72533	-84.18001	21760
39.72534	-84.18002	20884
39.72534	-84.18002	21112
39.72534	-84.18001	22299
39.72534	-84.18000	20791
39.72534	-84.17999	21084
39.72532	-84.17996	21607
39.72535	-84.18000	21807
39.72535	-84.18001	22092
39.72535	-84.18002	22507
39.72535	-84.18004	22619
39.72535	-84.18004	21079
39.72535	-84.18005	20205
39.72536	-84.18005	19713
39.72536	-84.18006	19805
39.72536	-84.18006	21446
39.72536	-84.18007	21471

39.72502	-84.18064	21462
39.72502	-84.18065	22903
39.72502	-84.18065	22167
39.72501	-84.18066	21635
39.72501	-84.18066	23063
39.72501	-84.18066	21664
39.72501	-84.18066	23522
39.72501	-84.18066	24217
39.72500	-84.18066	26204
39.72500	-84.18066	26226
39.72501	-84.18065	25507
39.72502	-84.18063	25586
39.72503	-84.18061	24052
39.72503	-84.18060	23501
39.72504	-84.18060	20620
39.72506	-84.18060	17993
39.72505	-84.18058	17164
39.72506	-84.18057	17559
39.72506	-84.18057	16322
39.72506	-84.18057	16246
39.72507	-84.18057	17546
39.72507	-84.18057	16186
39.72506	-84.18057	16133
39.72507	-84.18057	16997
39.72507	-84.18058	17013
39.72508	-84.18059	16673
39.72507	-84.18060	15370
39.72506	-84.18061	15952
39.72506	-84.18062	19246
39.72506	-84.18063	22927
39.72506	-84.18065	25587
39.72505	-84.18065	27033
39.72504	-84.18066	27772
39.72503	-84.18067	29700
39.72503	-84.18068	28271
39.72502	-84.18070	27704
39.72502	-84.18070	28783
39.72501	-84.18070	28028
39.72501	-84.18070	27589
39.72501	-84.18070	30715

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72536	-84.18007	21586
39.72536	-84.18007	21388
39.72536	-84.18008	20458
39.72536	-84.18008	20209
39.72536	-84.18008	20758
39.72535	-84.18007	22572
39.72534	-84.18006	22231
39.72533	-84.18004	21397
39.72532	-84.18002	21600
39.72531	-84.18002	19672
39.72531	-84.18002	19874
39.72532	-84.18002	22400
39.72532	-84.18002	22576
39.72533	-84.18001	22677
39.72533	-84.18001	22724
39.72533	-84.18000	23081
39.72533	-84.18000	24247
39.72534	-84.18002	21979
39.72535	-84.18002	22338
39.72535	-84.18002	22251
39.72534	-84.18002	21889
39.72535	-84.18003	21462
39.72535	-84.18003	21375
39.72536	-84.18003	21026
39.72536	-84.18004	21689
39.72536	-84.18005	22200
39.72536	-84.18006	21062
39.72536	-84.18006	20077
39.72536	-84.18006	21307
39.72537	-84.18007	20921
39.72537	-84.18007	21862
39.72537	-84.18008	22547
39.72537	-84.18009	21533
39.72537	-84.18009	21036
39.72537	-84.18009	20995
39.72537	-84.18009	20939
39.72538	-84.18010	21552
39.72538	-84.18010	23160
39.72538	-84.18010	22693
39.72539	-84.18010	23058

39.72502	-84.18070	29257
39.72502	-84.18070	27688
39.72502	-84.18069	29726
39.72503	-84.18068	27198
39.72504	-84.18067	25905
39.72505	-84.18066	26969
39.72505	-84.18065	26754
39.72505	-84.18063	25465
39.72506	-84.18062	24657
39.72507	-84.18061	22736
39.72507	-84.18060	21506
39.72508	-84.18059	18066
39.72509	-84.18058	15577
39.72509	-84.18059	15211
39.72509	-84.18059	15237
39.72508	-84.18060	17501
39.72507	-84.18061	20649
39.72507	-84.18062	22048
39.72508	-84.18063	22803
39.72506	-84.18064	24111
39.72506	-84.18065	24915
39.72505	-84.18067	24545
39.72505	-84.18066	25414
39.72506	-84.18067	24331
39.72505	-84.18067	23750
39.72506	-84.18068	23596
39.72505	-84.18069	24705
39.72504	-84.18070	24457
39.72503	-84.18071	25218
39.72503	-84.18072	24971
39.72503	-84.18071	25083
39.72503	-84.18072	24638
39.72503	-84.18072	25049
39.72503	-84.18072	24496
39.72504	-84.18071	24341
39.72505	-84.18070	24197
39.72507	-84.18069	23857
39.72507	-84.18068	21257
39.72507	-84.18067	23111
39.72507	-84.18067	22677

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72539	-84.18010	22676
39.72539	-84.18009	24028
39.72539	-84.18009	23253
39.72539	-84.18008	22758
39.72539	-84.18008	21932
39.72540	-84.18007	22790
39.72540	-84.18007	22362
39.72540	-84.18007	22366
39.72540	-84.18006	22356
39.72540	-84.18005	22169
39.72540	-84.18005	21442
39.72540	-84.18005	21520
39.72540	-84.18005	22349
39.72540	-84.18005	21818
39.72540	-84.18005	21763
39.72540	-84.18006	21341
39.72540	-84.18006	20669
39.72540	-84.18006	21818
39.72540	-84.18006	21376
39.72540	-84.18006	21111
39.72540	-84.18006	22389
39.72540	-84.18007	22365
39.72540	-84.18007	23061
39.72540	-84.18007	21887
39.72539	-84.18007	23334
39.72539	-84.18007	22622
39.72539	-84.18007	21970
39.72539	-84.18008	23170
39.72539	-84.18008	23201
39.72539	-84.18008	22622
39.72539	-84.18008	22081
39.72539	-84.18008	22305
39.72540	-84.18008	21652
39.72540	-84.18007	22439
39.72539	-84.18007	23249
39.72539	-84.18007	23658
39.72539	-84.18007	23304
39.72539	-84.18006	23799
39.72539	-84.18006	22707
39.72539	-84.18006	22626

39.72507	-84.18067	22583
39.72506	-84.18069	21878
39.72505	-84.18070	22755
39.72505	-84.18072	22766
39.72504	-84.18072	23740
39.72505	-84.18072	24468
39.72506	-84.18073	23230
39.72506	-84.18073	23773
39.72505	-84.18072	23049
39.72505	-84.18072	22805
39.72506	-84.18071	23558
39.72507	-84.18070	22798
39.72507	-84.18069	22552
39.72508	-84.18068	22270
39.72507	-84.18070	22101
39.72507	-84.18070	22071
39.72507	-84.18070	22630
39.72507	-84.18070	22512
39.72507	-84.18069	22396
39.72507	-84.18069	21593
39.72507	-84.18069	20025
39.72508	-84.18069	20679
39.72509	-84.18070	20283
39.72510	-84.18071	20640
39.72511	-84.18072	21704
39.72511	-84.18073	22202
39.72511	-84.18073	21157
39.72510	-84.18073	21007
39.72510	-84.18073	21696
39.72509	-84.18072	21872
39.72509	-84.18071	21438
39.72508	-84.18070	22271
39.72508	-84.18070	21351
39.72508	-84.18071	21050
39.72507	-84.18071	23123
39.72508	-84.18072	22077
39.72508	-84.18072	20816
39.72509	-84.18073	19980
39.72509	-84.18073	20186
39.72510	-84.18074	21931

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72539	-84.18005	21189
39.72539	-84.18005	22976
39.72539	-84.18004	21499
39.72540	-84.18003	21675
39.72540	-84.18003	21294
39.72540	-84.18002	20966
39.72540	-84.18001	20961
39.72540	-84.18001	21483
39.72540	-84.18000	21083
39.72540	-84.17999	20407
39.72540	-84.17999	21567
39.72540	-84.17998	21189
39.72541	-84.17997	20824
39.72541	-84.17997	19596
39.72541	-84.17996	20973
39.72541	-84.17995	20517
39.72541	-84.17995	20665
39.72541	-84.17995	20885
39.72541	-84.17995	21042
39.72541	-84.17994	19514
39.72541	-84.17994	19472
39.72541	-84.17994	19274
39.72539	-84.17993	19717
39.72539	-84.17993	21151
39.72538	-84.17992	20431
39.72537	-84.17992	20253
39.72536	-84.17991	21861
39.72535	-84.17991	21817
39.72535	-84.17991	22624
39.72535	-84.17992	23828
39.72535	-84.17992	22537
39.72535	-84.17992	22365
39.72535	-84.17992	22207
39.72536	-84.17992	22352
39.72536	-84.17993	22404
39.72535	-84.17993	22663
39.72535	-84.17993	23950
39.72535	-84.17993	22901
39.72534	-84.17993	23208
39.72534	-84.17994	22651

39.72510	-84.18075	21279
39.72510	-84.18075	22073
39.72509	-84.18074	22048
39.72508	-84.18073	21351
39.72507	-84.18072	23208
39.72506	-84.18071	22129
39.72506	-84.18072	22583
39.72506	-84.18073	22714
39.72507	-84.18073	22744
39.72508	-84.18074	23000
39.72509	-84.18075	21808
39.72510	-84.18076	21442
39.72509	-84.18075	20403
39.72508	-84.18074	20828
39.72507	-84.18073	21738
39.72506	-84.18073	23195
39.72506	-84.18073	23207
39.72506	-84.18073	22992
39.72507	-84.18073	23550
39.72508	-84.18073	21503
39.72510	-84.18074	21107
39.72510	-84.18075	22229
39.72511	-84.18075	21891
39.72512	-84.18075	20963
39.72512	-84.18073	23384
39.72511	-84.18072	23306
39.72510	-84.18070	21629
39.72509	-84.18069	21716
39.72508	-84.18069	21242
39.72507	-84.18067	22132
39.72506	-84.18066	22491
39.72504	-84.18065	25067
39.72504	-84.18065	26905
39.72504	-84.18065	27479
39.72504	-84.18065	25895
39.72504	-84.18065	26313
39.72504	-84.18065	25494
39.72505	-84.18065	25769
39.72504	-84.18064	24266
39.72505	-84.18065	24468

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72534	-84.17993	24458
39.72535	-84.17995	24913
39.72533	-84.17995	23650
39.72534	-84.17997	22601
39.72534	-84.17999	22677
39.72533	-84.17998	22337
39.72534	-84.17999	21785
39.72534	-84.17999	22627
39.72534	-84.17999	22439
39.72534	-84.17999	23322
39.72534	-84.17999	23580
39.72534	-84.17998	22829
39.72534	-84.17998	22491
39.72534	-84.17999	22282
39.72534	-84.18000	22136
39.72534	-84.18000	23215
39.72534	-84.18000	22164
39.72534	-84.18000	22644
39.72534	-84.18001	22651
39.72534	-84.18001	22246
39.72534	-84.18002	22761
39.72535	-84.18003	22540
39.72536	-84.18000	22664
39.72536	-84.18001	22457
39.72540	-84.18003	22438
39.72540	-84.18005	22167
39.72540	-84.18006	23043
39.72538	-84.18001	22680
39.72536	-84.18003	22526
39.72536	-84.18004	21622
39.72537	-84.18005	23049
39.72538	-84.18005	21319
39.72537	-84.18005	22223
39.72537	-84.18006	22246
39.72537	-84.18007	21714
39.72538	-84.18007	21286
39.72539	-84.18008	21670
39.72539	-84.18008	23287
39.72540	-84.18009	22359
39.72540	-84.18009	22383

39.72506	-84.18066	24362
39.72507	-84.18067	23777
39.72508	-84.18067	20948
39.72509	-84.18068	21150
39.72509	-84.18069	21628
39.72510	-84.18070	21485
39.72511	-84.18070	21557
39.72511	-84.18070	21641
39.72511	-84.18070	21637
39.72511	-84.18070	21009
39.72511	-84.18069	20606
39.72511	-84.18069	20007
39.72510	-84.18068	20189
39.72509	-84.18067	20991
39.72508	-84.18066	20642
39.72506	-84.18065	23020
39.72505	-84.18064	23741
39.72505	-84.18063	24768
39.72505	-84.18063	23030
39.72506	-84.18063	23707
39.72505	-84.18062	23495
39.72506	-84.18064	25607
39.72507	-84.18065	25288
39.72508	-84.18066	23442
39.72509	-84.18067	21470
39.72510	-84.18067	21769
39.72511	-84.18068	21859
39.72511	-84.18068	21142
39.72510	-84.18068	21367
39.72509	-84.18068	21620
39.72509	-84.18069	20388
39.72508	-84.18068	22768
39.72507	-84.18068	22700
39.72509	-84.18069	22125
39.72510	-84.18070	21390
39.72509	-84.18069	21338
39.72507	-84.18068	22317
39.72506	-84.18066	21704
39.72505	-84.18065	21694
39.72504	-84.18065	23739

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72540	-84.18009	22097
39.72541	-84.18007	21896
39.72541	-84.18007	22949
39.72541	-84.18007	22334
39.72541	-84.18007	22008
39.72541	-84.18007	23522
39.72541	-84.18007	22226
39.72541	-84.18007	21110
39.72541	-84.18006	21939
39.72541	-84.18006	21819
39.72541	-84.18006	21193
39.72541	-84.18005	21531
39.72541	-84.18005	21668
39.72541	-84.18005	21876
39.72541	-84.18005	21365
39.72541	-84.18005	22348
39.72541	-84.18005	21896
39.72541	-84.18005	21713
39.72541	-84.18005	21584
39.72541	-84.18005	21070
39.72541	-84.18005	21408
39.72541	-84.18005	22432
39.72541	-84.18005	22609
39.72541	-84.18005	23454
39.72541	-84.18005	22602
39.72542	-84.18005	20842
39.72542	-84.18005	20859
39.72542	-84.18005	20293
39.72542	-84.18005	19457
39.72542	-84.18005	20804
39.72542	-84.18005	21457
39.72542	-84.18005	20748
39.72542	-84.18005	21264
39.72542	-84.18005	21384
39.72542	-84.18005	20414
39.72541	-84.18004	19931
39.72541	-84.18004	20945
39.72541	-84.18005	20783
39.72541	-84.18006	21382
39.72541	-84.18005	21619

39.72504	-84.18065	25511
39.72504	-84.18065	26034
39.72506	-84.18066	25169
39.72507	-84.18068	22957
39.72509	-84.18069	21815
39.72511	-84.18071	21195
39.72511	-84.18073	21805
39.72511	-84.18073	21173
39.72511	-84.18073	22788
39.72511	-84.18073	21593
39.72510	-84.18074	20747
39.72509	-84.18075	21424
39.72509	-84.18077	20919
39.72507	-84.18078	22263
39.72507	-84.18079	22320
39.72506	-84.18080	22178
39.72505	-84.18080	23353
39.72504	-84.18082	23406
39.72504	-84.18082	22599
39.72504	-84.18082	23234
39.72504	-84.18083	23276
39.72504	-84.18083	24494
39.72504	-84.18083	23739
39.72504	-84.18083	23073
39.72504	-84.18083	23162
39.72504	-84.18083	23853
39.72505	-84.18082	23119
39.72505	-84.18082	21639
39.72506	-84.18081	21372
39.72506	-84.18080	22069
39.72507	-84.18079	21843
39.72507	-84.18078	22309
39.72508	-84.18076	22125
39.72510	-84.18075	21934
39.72510	-84.18074	21412
39.72511	-84.18073	20291
39.72511	-84.18074	22413
39.72511	-84.18074	20722
39.72511	-84.18073	20707
39.72511	-84.18073	20934

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72541	-84.18006	22638
39.72541	-84.18006	21823
39.72541	-84.18006	22299
39.72540	-84.18006	22821
39.72540	-84.18006	22968
39.72540	-84.18007	23584
39.72541	-84.18007	22821
39.72540	-84.18008	22285
39.72540	-84.18007	22878
39.72539	-84.18007	21652
39.72540	-84.18007	21540
39.72540	-84.18006	22051
39.72540	-84.18005	22502
39.72540	-84.18005	22713
39.72541	-84.18004	20744
39.72541	-84.18003	20879
39.72541	-84.18002	20989
39.72541	-84.18002	21935
39.72540	-84.18001	20727
39.72540	-84.18001	21614
39.72540	-84.18001	21553
39.72539	-84.18000	21364
39.72539	-84.18000	21870
39.72539	-84.18000	21114
39.72538	-84.17999	20294
39.72538	-84.17999	20159
39.72539	-84.17997	20223
39.72539	-84.17997	19699
39.72539	-84.17997	20473
39.72539	-84.17997	20239
39.72540	-84.17997	21035
39.72542	-84.17997	20408
39.72543	-84.17997	20672
39.72542	-84.17997	20557
39.72541	-84.17996	20588
39.72540	-84.17996	20448
39.72540	-84.17996	20692
39.72539	-84.17995	21553
39.72539	-84.17995	21527
39.72538	-84.17994	20884

39.72511	-84.18074	21246
39.72510	-84.18075	20529
39.72510	-84.18077	21200
39.72509	-84.18078	21562
39.72508	-84.18079	21957
39.72507	-84.18080	22152
39.72507	-84.18082	23360
39.72506	-84.18083	23888
39.72505	-84.18085	22928
39.72504	-84.18086	23646
39.72504	-84.18086	23526
39.72504	-84.18086	22992
39.72503	-84.18087	22238
39.72503	-84.18087	22484
39.72503	-84.18085	23581
39.72505	-84.18085	23539
39.72510	-84.18087	22153
39.72506	-84.18083	20737
39.72506	-84.18081	21600
39.72509	-84.18080	22760
39.72509	-84.18079	21457
39.72510	-84.18078	21279
39.72511	-84.18076	23002
39.72512	-84.18075	22647
39.72512	-84.18075	22441
39.72512	-84.18075	22434
39.72512	-84.18075	22541
39.72512	-84.18075	22850
39.72512	-84.18075	22434
39.72511	-84.18076	22331
39.72510	-84.18078	22631
39.72509	-84.18080	22736
39.72508	-84.18082	22761
39.72508	-84.18083	20555
39.72508	-84.18084	22006
39.72506	-84.18086	22276
39.72505	-84.18087	23828
39.72505	-84.18087	22633
39.72505	-84.18087	22273
39.72506	-84.18087	23321

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72537	-84.17993	21153
39.72537	-84.17993	20683
39.72537	-84.17993	20779
39.72537	-84.17993	21434
39.72537	-84.17993	21614
39.72535	-84.17994	21175
39.72535	-84.17993	21438
39.72535	-84.17993	21022
39.72535	-84.17993	21912
39.72535	-84.17993	22616
39.72535	-84.17994	22256
39.72534	-84.17995	22457
39.72534	-84.17996	23182
39.72535	-84.17997	23084
39.72535	-84.17997	23620
39.72536	-84.17997	23653
39.72536	-84.17997	22892
39.72534	-84.17997	23139
39.72534	-84.17998	23497
39.72535	-84.17999	23529
39.72536	-84.18000	22213
39.72536	-84.18001	20897
39.72537	-84.18002	22327
39.72537	-84.18003	22413
39.72538	-84.18004	22830
39.72537	-84.18003	22187
39.72537	-84.18004	21764
39.72531	-84.18012	20557
39.72531	-84.18012	19620
39.72529	-84.18011	19653
39.72529	-84.18010	18436
39.72528	-84.18009	19974
39.72529	-84.18009	19258
39.72529	-84.18008	21243
39.72528	-84.18007	20244
39.72528	-84.18006	21076
39.72528	-84.18006	20805
39.72528	-84.18005	21457
39.72528	-84.18005	20321
39.72528	-84.18005	20807

39.72506	-84.18085	22282
39.72507	-84.18084	21367
39.72509	-84.18082	21800
39.72509	-84.18081	21737
39.72510	-84.18080	21393
39.72511	-84.18078	20855
39.72512	-84.18077	20512
39.72512	-84.18076	20404
39.72513	-84.18076	21435
39.72513	-84.18077	22180
39.72513	-84.18078	22185
39.72513	-84.18078	22389
39.72513	-84.18077	23307
39.72513	-84.18077	21369
39.72512	-84.18078	21486
39.72512	-84.18078	22152
39.72513	-84.18077	21945
39.72512	-84.18078	21329
39.72512	-84.18078	22660
39.72513	-84.18079	22580
39.72512	-84.18078	22633
39.72513	-84.18078	21736
39.72513	-84.18078	21922
39.72513	-84.18077	22631
39.72513	-84.18078	22273
39.72512	-84.18078	22740
39.72510	-84.18079	21971
39.72510	-84.18080	21468
39.72511	-84.18080	21438
39.72510	-84.18081	22783
39.72511	-84.18082	22906
39.72512	-84.18083	22165
39.72513	-84.18083	22691
39.72514	-84.18082	23382
39.72514	-84.18081	22748
39.72514	-84.18082	23427
39.72514	-84.18083	23146
39.72514	-84.18083	21944
39.72512	-84.18083	21785
39.72512	-84.18083	22264

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72528	-84.18005	19624
39.72528	-84.18004	20220
39.72528	-84.18004	20316
39.72528	-84.18004	21691
39.72528	-84.18004	21266
39.72528	-84.18004	20327
39.72527	-84.18004	19621
39.72527	-84.18004	19106
39.72527	-84.18004	19214
39.72527	-84.18003	18969
39.72527	-84.18003	20196
39.72527	-84.18003	20937
39.72527	-84.18003	20655
39.72527	-84.18003	21312
39.72527	-84.18003	20962
39.72527	-84.18003	20772
39.72527	-84.18002	20088
39.72527	-84.18002	20280
39.72527	-84.18002	20134
39.72527	-84.18002	20005
39.72527	-84.18002	20606
39.72527	-84.18002	19993
39.72527	-84.18002	19195
39.72527	-84.18001	18915
39.72526	-84.18001	18870
39.72527	-84.18001	18807
39.72528	-84.18001	19400
39.72528	-84.18001	19398
39.72528	-84.18001	19283
39.72528	-84.18001	20127
39.72528	-84.18001	18433
39.72528	-84.18001	19584
39.72528	-84.18001	19328
39.72528	-84.18000	20197
39.72528	-84.18000	21000
39.72528	-84.17999	21432
39.72528	-84.17999	20554
39.72528	-84.17998	20291
39.72528	-84.17997	19904
39.72527	-84.17997	20262

39.72511	-84.18083	21329
39.72511	-84.18084	21422
39.72510	-84.18085	20490
39.72510	-84.18086	20014
39.72508	-84.18088	20111
39.72508	-84.18089	21778
39.72507	-84.18089	21108
39.72507	-84.18090	20245
39.72508	-84.18090	19827
39.72508	-84.18089	20415
39.72509	-84.18087	20353
39.72509	-84.18086	18965
39.72510	-84.18085	20338
39.72511	-84.18083	21564
39.72511	-84.18083	22376
39.72511	-84.18083	22108
39.72512	-84.18083	20954
39.72511	-84.18083	22116
39.72511	-84.18084	21527
39.72511	-84.18085	21376
39.72510	-84.18087	20917
39.72509	-84.18088	19571
39.72509	-84.18089	19421
39.72509	-84.18090	19840
39.72509	-84.18090	20706
39.72509	-84.18091	20520
39.72509	-84.18091	20757
39.72509	-84.18091	20320
39.72509	-84.18090	19362
39.72510	-84.18090	19454
39.72510	-84.18089	19790
39.72511	-84.18087	20497
39.72512	-84.18086	20908
39.72513	-84.18084	21644
39.72513	-84.18084	22963
39.72513	-84.18084	23032
39.72512	-84.18086	20984
39.72512	-84.18087	21629
39.72511	-84.18088	21364
39.72510	-84.18090	20719

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72528	-84.17995	20332
39.72529	-84.17994	18783
39.72529	-84.17993	20393
39.72528	-84.17993	18792
39.72529	-84.17992	19773
39.72528	-84.17991	19465
39.72529	-84.17990	20052
39.72528	-84.17988	19927
39.72529	-84.17988	19848
39.72529	-84.17987	20583
39.72529	-84.17986	20581
39.72529	-84.17985	20374
39.72529	-84.17984	21453
39.72530	-84.17984	20215
39.72530	-84.17985	19572
39.72530	-84.17984	19291
39.72530	-84.17986	20100
39.72531	-84.17987	20982
39.72531	-84.17988	21108
39.72531	-84.17990	20618
39.72531	-84.17991	20269
39.72531	-84.17992	21205
39.72531	-84.17992	21905
39.72531	-84.17994	21258
39.72531	-84.17995	20487
39.72530	-84.17995	21169
39.72531	-84.17997	20192
39.72530	-84.17998	19428
39.72530	-84.17999	20076
39.72530	-84.17999	21155
39.72530	-84.17999	20602
39.72529	-84.18000	20293
39.72529	-84.18000	21291
39.72528	-84.18001	20527
39.72528	-84.18001	22428
39.72528	-84.18001	23695
39.72528	-84.18002	22087
39.72528	-84.18002	21821
39.72528	-84.18003	22314
39.72528	-84.18003	22134

39.72511	-84.18089	20743
39.72509	-84.18091	21268
39.72509	-84.18092	20721
39.72511	-84.18090	19406
39.72512	-84.18092	20398
39.72511	-84.18091	20026
39.72510	-84.18091	20354
39.72512	-84.18089	20730
39.72513	-84.18087	22515
39.72513	-84.18086	21619
39.72514	-84.18084	22179
39.72514	-84.18083	22087
39.72515	-84.18082	23423
39.72515	-84.18082	21739
39.72514	-84.18083	21508
39.72515	-84.18081	21350
39.72515	-84.18082	21914
39.72513	-84.18083	21282
39.72513	-84.18084	22911
39.72513	-84.18084	23519
39.72513	-84.18083	23096
39.72514	-84.18083	22661
39.72514	-84.18082	22887
39.72514	-84.18083	23058
39.72514	-84.18084	23853
39.72515	-84.18083	22842
39.72517	-84.18081	22111
39.72516	-84.18081	20827
39.72515	-84.18083	20044
39.72515	-84.18083	21508
39.72513	-84.18086	21920
39.72513	-84.18086	22518
39.72512	-84.18088	21014
39.72511	-84.18089	20283
39.72512	-84.18091	21629
39.72511	-84.18092	20714
39.72511	-84.18093	20369
39.72510	-84.18093	21685
39.72510	-84.18093	20814
39.72512	-84.18093	21878

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GAMMA SURVEY RESULTS

39.72527	-84.18003	22031
39.72527	-84.18004	22510
39.72527	-84.18004	21835
39.72526	-84.18004	21683
39.72527	-84.18004	21659
39.72527	-84.18004	22186
39.72527	-84.18004	22655
39.72527	-84.18005	21278
39.72527	-84.18005	21138
39.72528	-84.18006	21882
39.72530	-84.18006	23088
39.72531	-84.18007	22675
39.72532	-84.18008	21089
39.72532	-84.18009	21280
39.72533	-84.18009	19855
39.72533	-84.18010	19444
39.72534	-84.18011	19956
39.72534	-84.18012	20141
39.72535	-84.18013	20077
39.72535	-84.18014	20035
39.72536	-84.18014	20382
39.72536	-84.18015	19643
39.72535	-84.18016	19337
39.72535	-84.18016	19837
39.72536	-84.18014	20650
39.72535	-84.18013	19561
39.72534	-84.18015	19079
39.72535	-84.18013	21025
39.72534	-84.18012	20046
39.72533	-84.18010	20459
39.72533	-84.18011	19969
39.72533	-84.18011	20017
39.72532	-84.18014	21152
39.72531	-84.18013	21582
39.72531	-84.18012	21826
39.72530	-84.18011	21281
39.72530	-84.18010	21947
39.72529	-84.18009	22567
39.72528	-84.18008	21867
39.72528	-84.18006	22329

39.72511	-84.18091	21138
39.72512	-84.18090	22238
39.72513	-84.18088	22176
39.72513	-84.18087	21563
39.72514	-84.18086	21439
39.72515	-84.18084	21917
39.72515	-84.18084	21487
39.72516	-84.18083	20269
39.72516	-84.18084	19217
39.72518	-84.18084	18474
39.72516	-84.18084	18579
39.72516	-84.18085	20201
39.72515	-84.18086	21572
39.72514	-84.18087	23902
39.72513	-84.18089	21652
39.72513	-84.18090	22320
39.72514	-84.18091	23280
39.72512	-84.18092	22721
39.72512	-84.18093	21612
39.72511	-84.18094	21018
39.72511	-84.18094	20960
39.72511	-84.18095	21119
39.72512	-84.18096	21134
39.72512	-84.18095	20818
39.72512	-84.18093	21069
39.72513	-84.18092	21256
39.72514	-84.18090	21538
39.72515	-84.18089	21958
39.72515	-84.18088	22399
39.72517	-84.18087	22518
39.72517	-84.18086	21698
39.72517	-84.18086	19581
39.72517	-84.18086	18244
39.72517	-84.18085	18389
39.72517	-84.18087	19298
39.72516	-84.18089	21420
39.72515	-84.18090	21000
39.72514	-84.18091	22211
39.72513	-84.18093	21064
39.72512	-84.18095	22071

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72528	-84.18005	21271
39.72529	-84.18002	21846
39.72528	-84.18002	21307
39.72528	-84.18002	22443
39.72529	-84.18001	21355
39.72529	-84.18000	20954
39.72530	-84.17999	20731
39.72530	-84.17999	20222
39.72530	-84.17998	20056
39.72529	-84.17997	20620
39.72531	-84.17995	21691
39.72530	-84.17994	20557
39.72531	-84.17994	21263
39.72531	-84.17994	22232
39.72531	-84.17993	22907
39.72531	-84.17993	23197
39.72531	-84.17991	22366
39.72532	-84.17991	22432
39.72532	-84.17990	21561
39.72532	-84.17989	21358
39.72531	-84.17987	21781
39.72532	-84.17986	22106
39.72532	-84.17985	20016
39.72532	-84.17985	20525
39.72532	-84.17985	18675
39.72533	-84.17987	17776
39.72532	-84.17988	19864
39.72532	-84.17988	20837
39.72531	-84.17988	21508
39.72531	-84.17988	21660
39.72531	-84.17988	23190
39.72531	-84.17990	22716
39.72531	-84.17991	21933
39.72531	-84.17992	22804
39.72532	-84.17993	22035
39.72532	-84.17995	21579
39.72532	-84.17996	21082
39.72532	-84.17997	20949
39.72532	-84.17998	20901
39.72533	-84.17999	21045

39.72512	-84.18096	21859
39.72512	-84.18097	20459
39.72512	-84.18098	21642
39.72513	-84.18097	22473
39.72513	-84.18096	22395
39.72513	-84.18094	22339
39.72515	-84.18093	21405
39.72515	-84.18092	22912
39.72516	-84.18090	23129
39.72517	-84.18089	23731
39.72517	-84.18088	23089
39.72518	-84.18087	19970
39.72518	-84.18088	17280
39.72518	-84.18087	17013
39.72518	-84.18089	17502
39.72517	-84.18090	19747
39.72516	-84.18091	22149
39.72515	-84.18093	21726
39.72514	-84.18094	22815
39.72513	-84.18096	22990
39.72513	-84.18097	24316
39.72513	-84.18098	23332
39.72512	-84.18099	22605
39.72512	-84.18099	22414
39.72513	-84.18098	22318
39.72514	-84.18097	22808
39.72515	-84.18096	22876
39.72515	-84.18095	22713
39.72516	-84.18093	21413
39.72517	-84.18092	22288
39.72517	-84.18090	22753
39.72517	-84.18094	20588
39.72520	-84.18092	20425
39.72517	-84.18091	20163
39.72518	-84.18093	21297
39.72516	-84.18094	23202
39.72516	-84.18096	22882
39.72515	-84.18098	22771
39.72516	-84.18100	22741
39.72516	-84.18101	23361

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72533	-84.17999	22290
39.72533	-84.18000	22705
39.72533	-84.18000	21387
39.72533	-84.18001	21268
39.72532	-84.18001	22265
39.72532	-84.18002	22043
39.72532	-84.18002	21293
39.72532	-84.18003	20558
39.72531	-84.18003	22046
39.72531	-84.18003	21270
39.72531	-84.18004	22618
39.72531	-84.18004	22801
39.72531	-84.18004	21827
39.72530	-84.18004	22485
39.72530	-84.18004	22477
39.72527	-84.18002	22641
39.72530	-84.18005	22419
39.72531	-84.18005	20927
39.72532	-84.18006	21817
39.72532	-84.18006	21226
39.72533	-84.18007	21652
39.72534	-84.18008	20255
39.72533	-84.18007	20214
39.72532	-84.18006	20009
39.72534	-84.18008	19866
39.72533	-84.18008	19353
39.72532	-84.18007	20715
39.72535	-84.18009	20633
39.72535	-84.18011	20039
39.72535	-84.18010	20758
39.72535	-84.18011	21182
39.72536	-84.18012	20626
39.72536	-84.18014	21593
39.72536	-84.18015	20418
39.72537	-84.18014	19568
39.72537	-84.18015	18770
39.72538	-84.18015	17737
39.72537	-84.18018	17591
39.72538	-84.18018	18792
39.72541	-84.18013	20887

39.72515	-84.18102	22762
39.72512	-84.18100	23138
39.72516	-84.18101	21739
39.72516	-84.18099	21521
39.72515	-84.18096	22285
39.72516	-84.18095	23322
39.72518	-84.18094	22335
39.72519	-84.18094	22751
39.72518	-84.18094	20635
39.72518	-84.18095	20160
39.72518	-84.18095	20322
39.72519	-84.18095	21854
39.72519	-84.18096	21731
39.72517	-84.18096	21972
39.72516	-84.18097	22331
39.72517	-84.18099	22026
39.72517	-84.18100	23403
39.72516	-84.18101	21210
39.72516	-84.18102	22183
39.72515	-84.18102	22183
39.72516	-84.18102	22140
39.72516	-84.18101	22095
39.72520	-84.18101	22748
39.72518	-84.18098	22124
39.72518	-84.18097	22747
39.72517	-84.18094	23279
39.72517	-84.18094	20603
39.72517	-84.18094	20852
39.72516	-84.18094	21324
39.72516	-84.18094	20047
39.72519	-84.18098	21183
39.72518	-84.18099	20753
39.72519	-84.18102	21967
39.72518	-84.18103	21660
39.72518	-84.18104	22046
39.72518	-84.18104	21705
39.72518	-84.18103	22274
39.72518	-84.18102	22377
39.72517	-84.18099	21950
39.72517	-84.18097	20902

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72542	-84.18012	20398
39.72542	-84.18015	21245
39.72542	-84.18008	19533
39.72543	-84.18007	20124
39.72543	-84.18005	20921
39.72544	-84.18006	21364
39.72544	-84.18004	19852
39.72544	-84.18004	20060
39.72545	-84.18003	20561
39.72545	-84.18001	20074
39.72545	-84.18000	18339
39.72545	-84.17999	18114
39.72544	-84.17997	18338
39.72544	-84.17996	18101
39.72543	-84.17994	17730
39.72542	-84.17992	18053
39.72541	-84.17991	18487
39.72540	-84.17990	18068
39.72539	-84.17990	17669
39.72538	-84.17989	18637
39.72536	-84.17988	18761
39.72535	-84.17987	19316
39.72534	-84.17986	20130
39.72533	-84.17985	20607
39.72534	-84.17987	19895
39.72534	-84.17987	21516
39.72534	-84.17988	22531
39.72534	-84.17988	22748
39.72534	-84.17988	22919
39.72534	-84.17988	22948
39.72534	-84.17989	24906
39.72532	-84.17987	26419
39.72533	-84.17987	26512
39.72534	-84.17986	26710
39.72533	-84.17985	24630
39.72533	-84.17985	22627
39.72532	-84.17985	21813
39.72531	-84.17986	22840
39.72531	-84.17988	22488
39.72531	-84.17990	23611

39.72519	-84.18098	19916
39.72516	-84.18093	20815
39.72516	-84.18093	19616
39.72517	-84.18094	19527
39.72517	-84.18097	20244
39.72518	-84.18100	20640
39.72518	-84.18102	20701
39.72517	-84.18103	21254
39.72517	-84.18104	22048
39.72517	-84.18105	22566
39.72517	-84.18105	21914
39.72517	-84.18105	22220
39.72518	-84.18105	21745
39.72518	-84.18103	22823
39.72517	-84.18101	21585
39.72519	-84.18101	22119
39.72519	-84.18101	20957
39.72519	-84.18101	20635
39.72519	-84.18100	21199
39.72519	-84.18100	20531
39.72518	-84.18100	20699
39.72520	-84.18100	20533
39.72520	-84.18100	17493
39.72517	-84.18098	16613
39.72516	-84.18092	16926
39.72518	-84.18096	16838
39.72517	-84.18094	16570
39.72518	-84.18091	16147
39.72517	-84.18089	16168
39.72517	-84.18087	15411
39.72517	-84.18085	15016
39.72516	-84.18083	16110
39.72516	-84.18080	16651
39.72515	-84.18079	16067
39.72515	-84.18077	17734
39.72515	-84.18075	17023
39.72515	-84.18074	16265
39.72514	-84.18073	16792
39.72514	-84.18071	16087
39.72514	-84.18070	16010

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72531	-84.17991	22505
39.72532	-84.17992	21220
39.72532	-84.17991	22357
39.72532	-84.17991	23454
39.72532	-84.17991	22450
39.72532	-84.17991	23947
39.72532	-84.17991	22345
39.72532	-84.17991	22363
39.72532	-84.17991	23176
39.72532	-84.17991	24024
39.72531	-84.17991	23643
39.72532	-84.17991	22303
39.72532	-84.17992	21670
39.72532	-84.17992	21520
39.72532	-84.17992	21364
39.72532	-84.17992	21633
39.72533	-84.17992	22557
39.72534	-84.17993	22846
39.72533	-84.17994	22597
39.72532	-84.17994	22826
39.72531	-84.17994	22495
39.72531	-84.17995	21185
39.72531	-84.17996	21353
39.72531	-84.17996	20965
39.72531	-84.17996	21523
39.72531	-84.17997	21511
39.72531	-84.17997	20943
39.72531	-84.17997	21111
39.72532	-84.17997	20208
39.72532	-84.17998	21208
39.72532	-84.17998	22295
39.72532	-84.17999	20929
39.72532	-84.17999	22562
39.72532	-84.18000	21497
39.72533	-84.18001	20733
39.72533	-84.18001	21176
39.72532	-84.18000	20947
39.72532	-84.17998	22200
39.72532	-84.17999	22548
39.72533	-84.18002	23259

39.72514	-84.18069	16047
39.72514	-84.18068	15891
39.72514	-84.18068	15637
39.72515	-84.18068	14760
39.72515	-84.18068	14327
39.72515	-84.18069	15787
39.72515	-84.18071	15518
39.72515	-84.18072	15025
39.72516	-84.18074	14687
39.72516	-84.18075	15640
39.72517	-84.18077	15618
39.72517	-84.18079	15526
39.72518	-84.18081	14332
39.72518	-84.18083	15046
39.72518	-84.18085	15184
39.72518	-84.18087	15914
39.72519	-84.18089	14704
39.72519	-84.18091	15991
39.72520	-84.18092	14611
39.72520	-84.18092	14283
39.72517	-84.18093	14550
39.72516	-84.18094	14332
39.72516	-84.18094	14708
39.72517	-84.18093	14927
39.72518	-84.18094	14632
39.72517	-84.18093	14481
39.72518	-84.18092	14096
39.72519	-84.18090	13997
39.72517	-84.18090	13245
39.72518	-84.18087	14049
39.72518	-84.18085	14669
39.72518	-84.18083	14512
39.72517	-84.18081	14238
39.72517	-84.18078	14221
39.72516	-84.18076	14613
39.72516	-84.18074	14177
39.72516	-84.18073	14212
39.72517	-84.18072	14936
39.72517	-84.18072	13613
39.72517	-84.18073	14618

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72534	-84.18004	22147
39.72533	-84.18004	21836
39.72533	-84.18004	21101
39.72533	-84.18004	20693
39.72533	-84.18004	20086
39.72533	-84.18004	20592
39.72533	-84.18004	21481
39.72532	-84.18004	20803
39.72532	-84.18004	20880
39.72532	-84.18004	20786
39.72532	-84.18004	20594
39.72532	-84.18004	21226
39.72531	-84.18004	19909
39.72531	-84.18004	20739
39.72531	-84.18004	20720
39.72531	-84.18004	20294
39.72535	-84.18006	20994
39.72537	-84.18008	21099
39.72537	-84.18009	20437
39.72537	-84.18010	21416
39.72533	-84.18007	20737
39.72534	-84.18008	21044
39.72538	-84.18011	20997
39.72538	-84.18011	20127
39.72538	-84.18011	19980
39.72537	-84.18010	20081
39.72536	-84.18007	19288
39.72536	-84.18009	18783
39.72537	-84.18013	19004
39.72535	-84.18012	20058
39.72536	-84.18011	19112
39.72537	-84.18011	21105
39.72538	-84.18011	22586
39.72538	-84.18011	22971
39.72539	-84.18009	21750
39.72539	-84.18010	22703
39.72540	-84.18009	21888
39.72540	-84.18009	22235
39.72540	-84.18007	22147
39.72541	-84.18007	22735

39.72517	-84.18075	13388
39.72518	-84.18077	14469
39.72518	-84.18079	14609
39.72519	-84.18080	14453
39.72519	-84.18082	13519
39.72519	-84.18084	14091
39.72520	-84.18086	13674
39.72520	-84.18088	14168
39.72520	-84.18088	14248
39.72520	-84.18092	13749
39.72520	-84.18095	14148
39.72520	-84.18095	15119
39.72520	-84.18095	13946
39.72520	-84.18095	14256
39.72520	-84.18094	14638
39.72520	-84.18094	14823
39.72520	-84.18093	14811
39.72519	-84.18092	14029
39.72519	-84.18091	15407
39.72519	-84.18088	14943
39.72519	-84.18086	14579
39.72519	-84.18084	14673
39.72519	-84.18082	14686
39.72518	-84.18080	14458
39.72519	-84.18077	15427
39.72519	-84.18076	14242
39.72518	-84.18073	14672
39.72518	-84.18072	15341
39.72517	-84.18071	14006
39.72517	-84.18071	14227
39.72518	-84.18072	14636
39.72518	-84.18074	14756
39.72518	-84.18074	15112
39.72518	-84.18076	15537
39.72518	-84.18077	15420
39.72519	-84.18079	15782
39.72520	-84.18081	16170
39.72520	-84.18082	15771
39.72520	-84.18083	17518
39.72520	-84.18085	15271

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72541	-84.18006	20845
39.72541	-84.18005	21458
39.72541	-84.18005	21485
39.72542	-84.18004	21477
39.72542	-84.18004	21183
39.72542	-84.18003	21150
39.72542	-84.18002	20610
39.72543	-84.18002	21776
39.72543	-84.18001	21755
39.72543	-84.18000	20862
39.72543	-84.17999	20295
39.72543	-84.17999	19009
39.72543	-84.17998	19976
39.72543	-84.17998	20633
39.72542	-84.17997	19155
39.72542	-84.17997	19122
39.72542	-84.17997	18902
39.72542	-84.17996	18145
39.72542	-84.17994	20185
39.72542	-84.17994	19958
39.72542	-84.17993	20532
39.72541	-84.17994	20152
39.72541	-84.17993	19733
39.72540	-84.17992	19650
39.72539	-84.17991	19762
39.72538	-84.17991	20483
39.72537	-84.17990	19958
39.72535	-84.17989	20370
39.72534	-84.17988	21813
39.72534	-84.17988	22835
39.72533	-84.17988	22116
39.72532	-84.17989	23120
39.72533	-84.17989	25326
39.72534	-84.17988	24145
39.72533	-84.17989	22579
39.72537	-84.18004	21515
39.72537	-84.18004	21355
39.72537	-84.18004	21249
39.72537	-84.18004	21380
39.72537	-84.18004	21110

39.72521	-84.18086	14879
39.72520	-84.18088	14672
39.72520	-84.18088	15143
39.72520	-84.18088	14823
39.72521	-84.18098	14537
39.72521	-84.18098	13708
39.72521	-84.18098	13045
39.72521	-84.18098	14075
39.72485	-84.18074	21935
39.72485	-84.18074	21857
39.72485	-84.18074	20552
39.72484	-84.18074	19972
39.72483	-84.18074	20316
39.72482	-84.18074	20161
39.72481	-84.18074	19581
39.72480	-84.18074	20128
39.72478	-84.18074	21984
39.72477	-84.18075	23223
39.72476	-84.18075	25615
39.72474	-84.18075	26354
39.72473	-84.18075	26007
39.72472	-84.18075	25789
39.72471	-84.18075	24179
39.72469	-84.18075	24280
39.72469	-84.18075	24988
39.72468	-84.18075	23168
39.72468	-84.18075	22395
39.72468	-84.18076	21996
39.72468	-84.18076	22519
39.72468	-84.18076	23521
39.72469	-84.18076	23041
39.72470	-84.18076	23455
39.72472	-84.18075	23796
39.72473	-84.18075	24597
39.72474	-84.18075	24628
39.72476	-84.18075	25001
39.72478	-84.18074	25069
39.72479	-84.18074	24011
39.72480	-84.18074	22430
39.72480	-84.18074	21357

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72537	-84.18003	21458
39.72538	-84.18003	21983
39.72538	-84.18003	21490
39.72538	-84.18002	22131
39.72538	-84.18002	22865
39.72538	-84.18002	22423
39.72539	-84.18001	22377
39.72539	-84.18001	22303
39.72539	-84.18000	22294
39.72539	-84.18000	22891
39.72539	-84.18000	22479
39.72540	-84.17999	21661
39.72540	-84.17999	22194
39.72540	-84.17998	21200
39.72540	-84.17998	21240
39.72540	-84.17998	20230
39.72538	-84.17995	21364
39.72538	-84.17994	20926
39.72538	-84.17994	20223
39.72537	-84.17993	20515
39.72536	-84.17992	20885
39.72536	-84.17990	20791
39.72535	-84.17991	20793
39.72535	-84.17992	21290
39.72535	-84.17992	22417
39.72534	-84.17993	22527
39.72534	-84.17994	21381
39.72534	-84.17995	21909
39.72534	-84.17996	22026
39.72534	-84.17996	21969
39.72534	-84.17997	23447
39.72535	-84.17998	21756
39.72535	-84.17998	23131
39.72536	-84.17998	23197
39.72536	-84.17999	22681
39.72536	-84.18000	22868
39.72538	-84.18001	22870
39.72538	-84.18002	21703
39.72537	-84.18002	21824
39.72538	-84.18002	22495

39.72482	-84.18073	21540
39.72484	-84.18073	20416
39.72484	-84.18073	19664
39.72485	-84.18073	19823
39.72486	-84.18074	20107
39.72488	-84.18074	22177
39.72488	-84.18075	22819
39.72488	-84.18075	23023
39.72487	-84.18074	24371
39.72486	-84.18073	23249
39.72486	-84.18073	22257
39.72487	-84.18073	22326
39.72484	-84.18071	23491
39.72483	-84.18070	22511
39.72483	-84.18070	21958
39.72484	-84.18076	19917
39.72484	-84.18076	19191
39.72484	-84.18076	20902
39.72483	-84.18076	20236
39.72482	-84.18076	20271
39.72481	-84.18075	18880
39.72480	-84.18075	19604
39.72479	-84.18075	19903
39.72478	-84.18075	23312
39.72477	-84.18076	23770
39.72476	-84.18076	25015
39.72474	-84.18077	25503
39.72473	-84.18077	25058
39.72472	-84.18077	24962
39.72470	-84.18077	23543
39.72470	-84.18078	22838
39.72470	-84.18078	24915
39.72470	-84.18078	24005
39.72470	-84.18078	23378
39.72471	-84.18079	24582
39.72472	-84.18079	23545
39.72472	-84.18079	23072
39.72473	-84.18078	24851
39.72475	-84.18078	24812
39.72476	-84.18077	25217

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72538	-84.18003	22888
39.72538	-84.18003	22811
39.72538	-84.18003	23723
39.72539	-84.18003	22567
39.72539	-84.18003	22928
39.72538	-84.18003	22561
39.72538	-84.18003	22664
39.72538	-84.18002	23058
39.72539	-84.18002	23365
39.72539	-84.18001	22625
39.72539	-84.18001	24675
39.72539	-84.18000	21984
39.72539	-84.17999	21596
39.72539	-84.17999	21703
39.72539	-84.17998	20982
39.72540	-84.17998	21371
39.72540	-84.17997	21146
39.72540	-84.17997	20732
39.72540	-84.17996	20594
39.72540	-84.17995	19605
39.72539	-84.17995	21336
39.72538	-84.17995	21900
39.72539	-84.17994	22020
39.72539	-84.17995	21977
39.72538	-84.17994	22172
39.72539	-84.17995	21455
39.72539	-84.17995	21911
39.72539	-84.17996	21276
39.72539	-84.17997	21475
39.72538	-84.17997	22793
39.72540	-84.17997	23276
39.72538	-84.17998	23403
39.72539	-84.17997	22908
39.72539	-84.17997	23753
39.72538	-84.17998	22584
39.72538	-84.17998	21476
39.72539	-84.17998	21491
39.72540	-84.17998	21948
39.72540	-84.17998	24077
39.72540	-84.17998	21781

39.72477	-84.18077	25523
39.72477	-84.18077	25672
39.72477	-84.18077	24844
39.72477	-84.18077	24628
39.72477	-84.18077	24127
39.72477	-84.18077	24837
39.72477	-84.18078	24733
39.72477	-84.18078	22888
39.72476	-84.18078	23689
39.72475	-84.18078	24487
39.72474	-84.18079	24630
39.72473	-84.18079	24817
39.72472	-84.18080	23868
39.72471	-84.18080	24022
39.72471	-84.18080	23178
39.72471	-84.18080	24727
39.72474	-84.18080	22355
39.72474	-84.18080	22353
39.72475	-84.18080	22094
39.72475	-84.18079	21937
39.72475	-84.18079	22247
39.72476	-84.18078	23328
39.72476	-84.18077	23878
39.72477	-84.18077	23891
39.72477	-84.18075	23920
39.72478	-84.18074	24227
39.72480	-84.18074	22036
39.72481	-84.18073	20823
39.72481	-84.18073	19782
39.72483	-84.18076	20021
39.72485	-84.18078	21191
39.72486	-84.18078	22539
39.72487	-84.18077	24085
39.72487	-84.18077	24704
39.72486	-84.18077	24458
39.72485	-84.18077	23491
39.72484	-84.18077	22386
39.72483	-84.18077	21013
39.72482	-84.18078	20148
39.72483	-84.18078	20732

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72541	-84.17999	22460
39.72541	-84.18000	21814
39.72541	-84.18001	22637
39.72542	-84.18001	21799
39.72542	-84.18000	21339
39.72541	-84.18001	21782
39.72540	-84.18001	21911
39.72540	-84.18001	21905
39.72541	-84.18003	22530
39.72539	-84.18001	22762
39.72539	-84.18001	23374
39.72539	-84.18000	23261
39.72538	-84.18000	23013
39.72538	-84.17999	21952
39.72538	-84.17999	21503
39.72537	-84.17998	21537
39.72537	-84.17997	22107
39.72538	-84.17996	22082
39.72538	-84.17996	22791
39.72539	-84.17996	21890
39.72540	-84.17997	22432
39.72540	-84.17998	21655
39.72539	-84.17997	19852
39.72538	-84.17997	20370
39.72538	-84.17997	20418
39.72538	-84.17998	20601
39.72539	-84.18000	21548
39.72539	-84.18000	21378
39.72539	-84.18000	22082
39.72539	-84.18000	22223
39.72539	-84.18000	20688
39.72539	-84.18000	21541
39.72539	-84.17999	21694
39.72539	-84.17999	22362
39.72539	-84.17999	21633
39.72539	-84.17998	21633
39.72539	-84.17998	21017
39.72539	-84.17998	22161
39.72538	-84.17998	22585
39.72538	-84.17997	22047

39.72483	-84.18079	21342
39.72483	-84.18079	21572
39.72483	-84.18079	21208
39.72483	-84.18079	21805
39.72483	-84.18075	22567
39.72483	-84.18075	22886
39.72482	-84.18076	21900
39.72481	-84.18077	21770
39.72481	-84.18078	21155
39.72481	-84.18078	21955
39.72481	-84.18079	22204
39.72482	-84.18079	22293
39.72483	-84.18080	21854
39.72484	-84.18080	19999
39.72485	-84.18081	21630
39.72485	-84.18081	23366
39.72485	-84.18081	22828
39.72484	-84.18081	22892
39.72485	-84.18082	22646
39.72483	-84.18081	21880
39.72482	-84.18081	20729
39.72481	-84.18081	20855
39.72481	-84.18081	20340
39.72481	-84.18081	20320
39.72484	-84.18083	19398
39.72484	-84.18083	20254
39.72484	-84.18083	23037
39.72484	-84.18083	22786
39.72484	-84.18083	23040
39.72488	-84.18071	25584
39.72488	-84.18071	25142
39.72488	-84.18071	25375
39.72490	-84.18072	23671
39.72490	-84.18072	23868
39.72490	-84.18068	22865
39.72491	-84.18064	22784
39.72491	-84.18064	24205
39.72491	-84.18064	23241
39.72491	-84.18064	21974
39.72498	-84.18058	17493

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72539	-84.17996	22421
39.72539	-84.17996	20823
39.72539	-84.17996	20962
39.72540	-84.17996	20924
39.72540	-84.17997	21503
39.72541	-84.17997	22115
39.72541	-84.17998	23113
39.72541	-84.17998	22299
39.72540	-84.17998	21807
39.72540	-84.17998	21904
39.72539	-84.17998	22262
39.72537	-84.17998	22529
39.72540	-84.17997	22479
39.72540	-84.17997	22323
39.72538	-84.17999	23433
39.72537	-84.18000	21765
39.72537	-84.18000	21717
39.72538	-84.18000	21579
39.72538	-84.18000	20674
39.72539	-84.18000	22024
39.72539	-84.18000	21070
39.72539	-84.18000	21847
39.72539	-84.18000	22126
39.72539	-84.18000	23279
39.72538	-84.17999	23241
39.72538	-84.17999	23059
39.72539	-84.18000	23323
39.72540	-84.18000	21910
39.72540	-84.18000	22735
39.72539	-84.17999	22664
39.72539	-84.17999	22954
39.72538	-84.17999	24062
39.72538	-84.17999	25068
39.72538	-84.17998	23118
39.72539	-84.17998	21870
39.72538	-84.17996	22560
39.72537	-84.17994	22334
39.72536	-84.17992	21950
39.72535	-84.17990	21199
39.72534	-84.17988	21906

39.72498	-84.18058	15783
39.72499	-84.18058	14700
39.72502	-84.18057	15662
39.72504	-84.18056	15751
39.72506	-84.18056	16385
39.72508	-84.18055	16758
39.72508	-84.18055	15470
39.72510	-84.18051	14464
39.72512	-84.18047	13704
39.72513	-84.18045	13511
39.72514	-84.18043	14858
39.72515	-84.18039	15318
39.72516	-84.18038	17083
39.72516	-84.18036	19641
39.72516	-84.18033	19425
39.72518	-84.18032	14148
39.72518	-84.18032	15212
39.72518	-84.18032	13377
39.72518	-84.18032	13257
39.72518	-84.18032	13394
39.72518	-84.18032	14753
39.72518	-84.18032	14401
39.72518	-84.18032	14778
39.72518	-84.18033	15231
39.72518	-84.18034	16306
39.72519	-84.18036	18904
39.72520	-84.18037	19172
39.72521	-84.18037	19980
39.72522	-84.18036	18874
39.72523	-84.18036	17720
39.72525	-84.18036	17340
39.72526	-84.18035	16227
39.72526	-84.18036	15299
39.72525	-84.18037	16318
39.72525	-84.18039	16846
39.72525	-84.18040	17929
39.72525	-84.18041	17103
39.72525	-84.18042	16734
39.72525	-84.18042	18950
39.72525	-84.18042	18910

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72533	-84.17987	22762
39.72531	-84.17986	22031
39.72530	-84.17985	21229
39.72530	-84.17984	19935
39.72531	-84.17985	17222
39.72532	-84.17986	15322
39.72533	-84.17985	16110
39.72534	-84.17987	17085
39.72535	-84.17987	17789
39.72536	-84.17987	16764
39.72537	-84.17988	16920
39.72536	-84.17988	17692
39.72536	-84.17988	17633
39.72537	-84.17988	16703
39.72537	-84.17988	17501
39.72538	-84.17989	18838
39.72539	-84.17989	16652
39.72540	-84.17990	17257
39.72542	-84.17991	16931
39.72542	-84.17992	16923
39.72543	-84.17993	15797
39.72545	-84.17994	16228
39.72545	-84.17994	15429
39.72545	-84.17994	14971
39.72546	-84.17994	16514
39.72546	-84.17994	16315
39.72546	-84.17995	16493
39.72546	-84.17996	16466
39.72546	-84.17997	16787
39.72546	-84.17998	17109
39.72546	-84.17997	18016
39.72545	-84.17999	17312
39.72545	-84.18000	16272
39.72545	-84.18001	16069
39.72545	-84.18001	16659
39.72545	-84.18002	17570
39.72545	-84.18003	18319
39.72545	-84.18004	18072
39.72545	-84.18005	17236
39.72545	-84.18005	16765

39.72523	-84.18063	20507
39.72523	-84.18063	21379
39.72523	-84.18063	20978
39.72523	-84.18064	20226
39.72523	-84.18064	21794
39.72523	-84.18063	20092
39.72523	-84.18061	21432
39.72523	-84.18062	20336
39.72523	-84.18063	21903
39.72523	-84.18063	20661
39.72523	-84.18064	20737
39.72524	-84.18065	19972
39.72524	-84.18065	19436
39.72523	-84.18063	19695
39.72523	-84.18063	20016
39.72523	-84.18064	19165
39.72523	-84.18064	18987
39.72523	-84.18064	19933
39.72523	-84.18066	19841
39.72523	-84.18067	20076
39.72523	-84.18068	19988
39.72523	-84.18068	19039
39.72523	-84.18068	19906
39.72527	-84.18065	19180
39.72527	-84.18065	19411
39.72527	-84.18065	18915
39.72527	-84.18065	20290
39.72527	-84.18067	20771
39.72526	-84.18068	18895
39.72525	-84.18070	18157
39.72525	-84.18072	19517
39.72525	-84.18074	19986
39.72524	-84.18076	19776
39.72525	-84.18076	20715
39.72525	-84.18078	19256
39.72525	-84.18079	18087
39.72526	-84.18081	16978
39.72525	-84.18081	14373
39.72526	-84.18084	13560
39.72526	-84.18081	12678

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72544	-84.18007	16013
39.72544	-84.18008	16492
39.72543	-84.18009	17645
39.72544	-84.18010	17953
39.72543	-84.18010	17737
39.72543	-84.18011	18014
39.72543	-84.18012	18189
39.72543	-84.18012	18231
39.72543	-84.18013	18426
39.72542	-84.18013	19199
39.72541	-84.18014	18538
39.72540	-84.18015	16989
39.72539	-84.18015	16720
39.72539	-84.18015	16710
39.72538	-84.18016	16829
39.72537	-84.18016	17664
39.72537	-84.18016	17438
39.72537	-84.18016	17411
39.72536	-84.18016	18561
39.72536	-84.18016	17138
39.72535	-84.18016	18023
39.72535	-84.18016	17310
39.72535	-84.18016	16927
39.72534	-84.18015	16515
39.72534	-84.18015	15899
39.72534	-84.18015	16405
39.72535	-84.18015	16012
39.72535	-84.18015	15735
39.72536	-84.18015	15716
39.72536	-84.18015	16106
39.72535	-84.18015	16990
39.72535	-84.18015	15940
39.72535	-84.18015	16282
39.72536	-84.18016	16582
39.72536	-84.18016	16678
39.72536	-84.18016	15381
39.72536	-84.18016	16564
39.72537	-84.18016	16599
39.72537	-84.18016	16762
39.72538	-84.18016	15512

39.72527	-84.18081	13130
39.72526	-84.18079	14491
39.72526	-84.18078	15933
39.72526	-84.18078	18660
39.72526	-84.18077	18134
39.72526	-84.18076	18752
39.72525	-84.18074	18912
39.72525	-84.18074	20182
39.72525	-84.18074	20516
39.72526	-84.18075	21247
39.72526	-84.18075	19968
39.72526	-84.18075	19581
39.72527	-84.18076	20792
39.72527	-84.18077	19695
39.72528	-84.18077	19425
39.72525	-84.18076	19000
39.72525	-84.18074	19185
39.72525	-84.18073	19200
39.72525	-84.18073	19943
39.72526	-84.18074	20150
39.72527	-84.18075	19916
39.72526	-84.18074	20048
39.72526	-84.18073	20408
39.72526	-84.18073	20719
39.72527	-84.18073	19933
39.72527	-84.18073	20844
39.72527	-84.18073	20781
39.72526	-84.18072	20047
39.72526	-84.18072	20560
39.72527	-84.18070	19916
39.72529	-84.18069	19118
39.72529	-84.18069	19848
39.72529	-84.18068	22024
39.72529	-84.18066	21255
39.72529	-84.18064	22025
39.72528	-84.18062	20322
39.72528	-84.18060	19606
39.72528	-84.18058	20271
39.72528	-84.18058	20187
39.72528	-84.18058	19346

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72539	-84.18016	15606
39.72540	-84.18015	16832
39.72541	-84.18015	16916
39.72542	-84.18014	17355
39.72542	-84.18014	17042
39.72542	-84.18014	17718
39.72542	-84.18014	17597
39.72542	-84.18014	17848
39.72543	-84.18014	17510
39.72543	-84.18014	17131
39.72543	-84.18013	17424
39.72543	-84.18012	18180
39.72543	-84.18012	17408
39.72543	-84.18011	17769
39.72543	-84.18011	16948
39.72543	-84.18010	16328
39.72543	-84.18009	16548
39.72543	-84.18009	17231
39.72543	-84.18008	18058
39.72543	-84.18008	17662
39.72544	-84.18007	16507
39.72544	-84.18007	17039
39.72544	-84.18007	15198
39.72544	-84.18006	16890
39.72544	-84.18006	17210
39.72544	-84.18005	16611
39.72544	-84.18005	17597
39.72544	-84.18005	16941
39.72544	-84.18004	16717
39.72545	-84.18004	16871
39.72545	-84.18004	16350
39.72545	-84.18004	17202
39.72545	-84.18004	17097
39.72545	-84.18004	17245
39.72545	-84.18003	17338
39.72545	-84.18003	16859
39.72545	-84.18003	17978
39.72545	-84.18003	17772
39.72545	-84.18003	17255
39.72545	-84.18002	17141

39.72528	-84.18058	18971
39.72528	-84.18057	19536
39.72528	-84.18056	19169
39.72527	-84.18056	19139
39.72527	-84.18056	20036
39.72528	-84.18054	20834
39.72528	-84.18052	19135
39.72528	-84.18049	18332
39.72528	-84.18047	17359
39.72528	-84.18045	16968
39.72527	-84.18042	17338
39.72528	-84.18040	17846
39.72528	-84.18038	15989
39.72528	-84.18038	14480
39.72528	-84.18038	14703
39.72528	-84.18038	15806
39.72528	-84.18039	15659
39.72528	-84.18040	17994
39.72528	-84.18042	17161
39.72528	-84.18044	17451
39.72528	-84.18045	17632
39.72527	-84.18046	17504
39.72527	-84.18048	18644
39.72527	-84.18049	19796
39.72527	-84.18051	18208
39.72527	-84.18052	18371
39.72526	-84.18050	17994
39.72526	-84.18048	18112
39.72527	-84.18046	18697
39.72527	-84.18044	19003
39.72527	-84.18042	18104
39.72527	-84.18040	16410
39.72527	-84.18039	16684
39.72527	-84.18039	16705
39.72527	-84.18039	16398
39.72527	-84.18040	18020
39.72528	-84.18042	18038
39.72526	-84.18044	17911
39.72527	-84.18044	18523
39.72526	-84.18046	18541

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72545	-84.18002	18299
39.72545	-84.18002	17979
39.72545	-84.18002	17933
39.72545	-84.18001	18772
39.72545	-84.18001	17596
39.72545	-84.18000	16041
39.72545	-84.18000	16776
39.72545	-84.18000	17096
39.72545	-84.17999	16756
39.72545	-84.17999	15903
39.72545	-84.17999	16650
39.72544	-84.17998	16293
39.72544	-84.17998	17310
39.72544	-84.17998	16461
39.72544	-84.17998	15415
39.72544	-84.17997	15853
39.72544	-84.17997	16528
39.72544	-84.17997	16291
39.72544	-84.17996	15536
39.72544	-84.17996	15116
39.72544	-84.17996	15394
39.72544	-84.17995	16739
39.72543	-84.17995	16441
39.72543	-84.17995	16784
39.72543	-84.17994	16496
39.72543	-84.17994	17293
39.72543	-84.17994	17833
39.72543	-84.17993	18321
39.72543	-84.17993	17244
39.72543	-84.17993	16271
39.72543	-84.17992	15509
39.72543	-84.17992	15779
39.72543	-84.17992	15000
39.72542	-84.17991	15336
39.72542	-84.17991	16285
39.72542	-84.17991	16989
39.72542	-84.17990	17258
39.72542	-84.17990	16387
39.72542	-84.17990	15651
39.72542	-84.17990	16039

39.72526	-84.18047	19363
39.72526	-84.18049	18962
39.72526	-84.18051	18507
39.72526	-84.18051	19546
39.72526	-84.18050	19560
39.72527	-84.18048	19258
39.72527	-84.18045	18227
39.72527	-84.18043	17944
39.72527	-84.18041	16365
39.72527	-84.18038	16402
39.72528	-84.18037	15046
39.72528	-84.18038	15764
39.72527	-84.18038	16222
39.72527	-84.18038	15116
39.72528	-84.18038	13951
39.72527	-84.18038	13605
39.72527	-84.18036	15480
39.72527	-84.18035	13275
39.72527	-84.18036	13311
39.72527	-84.18037	13256
39.72528	-84.18039	14033
39.72528	-84.18041	14504
39.72528	-84.18043	16263
39.72528	-84.18045	17032
39.72528	-84.18047	16965
39.72528	-84.18049	17079
39.72527	-84.18051	17450
39.72527	-84.18053	17840
39.72527	-84.18055	17852
39.72527	-84.18057	18941
39.72527	-84.18059	19757
39.72527	-84.18060	19287
39.72527	-84.18062	21344
39.72527	-84.18064	19855
39.72527	-84.18066	20345
39.72527	-84.18067	19991
39.72527	-84.18068	18441
39.72527	-84.18069	17026
39.72527	-84.18072	17207
39.72527	-84.18074	15529

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72542	-84.17989	16363
39.72542	-84.17989	15937
39.72541	-84.17989	16068
39.72541	-84.17989	16640
39.72541	-84.17988	16721
39.72540	-84.17988	16117
39.72540	-84.17987	16288
39.72539	-84.17987	17289
39.72538	-84.17986	16611
39.72538	-84.17986	17322
39.72537	-84.17986	16984
39.72537	-84.17985	16248
39.72537	-84.17985	16917
39.72536	-84.17985	16624
39.72536	-84.17985	16419
39.72536	-84.17985	16539
39.72535	-84.17984	17337
39.72535	-84.17984	17808
39.72535	-84.17984	18478
39.72534	-84.17983	17971
39.72533	-84.17983	17511
39.72532	-84.17983	16684
39.72531	-84.17982	16234
39.72530	-84.17981	15874
39.72530	-84.17981	16588
39.72531	-84.17981	16893
39.72532	-84.17982	17238
39.72534	-84.17983	16565
39.72534	-84.17983	16651
39.72535	-84.17984	16947
39.72537	-84.17985	17048
39.72537	-84.17985	17906
39.72538	-84.17986	17044
39.72538	-84.17986	16292
39.72539	-84.17986	16173
39.72540	-84.17987	16114
39.72541	-84.17987	16689
39.72542	-84.17987	16677
39.72542	-84.17988	15411
39.72543	-84.17988	15570

39.72527	-84.18077	15314
39.72528	-84.18077	14440
39.72528	-84.18080	13524
39.72526	-84.18082	13766
39.72527	-84.18084	13417
39.72527	-84.18084	13990
39.72527	-84.18084	12590
39.72527	-84.18084	13926
39.72527	-84.18084	14425
39.72527	-84.18082	13967
39.72527	-84.18080	13800
39.72528	-84.18078	14091
39.72527	-84.18076	13708
39.72527	-84.18073	12776
39.72527	-84.18071	13290
39.72527	-84.18069	14147
39.72527	-84.18067	14055
39.72527	-84.18064	14952
39.72528	-84.18062	16489
39.72528	-84.18061	16217
39.72528	-84.18059	17418
39.72528	-84.18057	18194
39.72530	-84.18055	17564
39.72530	-84.18053	17776
39.72528	-84.18051	18316
39.72529	-84.18049	17723
39.72528	-84.18047	17103
39.72528	-84.18046	18377
39.72528	-84.18044	17506
39.72528	-84.18042	15902
39.72529	-84.18040	14396
39.72529	-84.18038	13383
39.72528	-84.18036	13371
39.72528	-84.18035	13206
39.72528	-84.18033	13255
39.72528	-84.18033	13193
39.72528	-84.18034	12366
39.72528	-84.18034	12695
39.72527	-84.18034	12523
39.72527	-84.18033	13594

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72544	-84.17989	16965
39.72545	-84.17989	15580
39.72546	-84.17989	15038
39.72546	-84.17990	16466
39.72546	-84.17991	16330
39.72546	-84.17992	17060
39.72546	-84.17992	16129
39.72547	-84.17993	15461
39.72546	-84.17994	15896
39.72546	-84.17995	15902
39.72545	-84.17996	16298
39.72544	-84.17997	16191
39.72545	-84.17997	17087
39.72545	-84.17997	15447
39.72545	-84.17997	16298
39.72545	-84.17997	15643
39.72545	-84.17997	15921
39.72545	-84.17998	17074
39.72546	-84.17998	17191
39.72546	-84.17999	17758
39.72546	-84.17999	16418
39.72547	-84.17999	16697
39.72547	-84.17999	16325
39.72547	-84.17999	15289
39.72548	-84.17999	16328
39.72548	-84.17999	16098
39.72548	-84.18000	16007
39.72548	-84.18000	15486
39.72546	-84.17999	16579
39.72546	-84.17999	17405
39.72544	-84.18001	16926
39.72545	-84.18002	16829
39.72542	-84.18004	17583
39.72541	-84.18005	16911
39.72541	-84.18006	16577
39.72541	-84.18008	17725
39.72541	-84.18009	17117
39.72540	-84.18010	16911
39.72541	-84.18011	17359
39.72543	-84.18012	17122

39.72527	-84.18033	13158
39.72527	-84.18033	13530
39.72527	-84.18033	13313
39.72527	-84.18033	13381
39.72527	-84.18033	13734
39.72527	-84.18033	14559
39.72527	-84.18033	14760
39.72527	-84.18033	12802
39.72527	-84.18033	12793
39.72527	-84.18033	13445
39.72527	-84.18033	14043
39.72527	-84.18033	14639
39.72528	-84.18034	14273
39.72528	-84.18033	13190
39.72528	-84.18034	12972
39.72528	-84.18035	12988
39.72529	-84.18038	12496
39.72529	-84.18040	12183
39.72529	-84.18042	13209
39.72529	-84.18044	14621
39.72529	-84.18046	15801
39.72529	-84.18047	16023
39.72529	-84.18049	16586
39.72529	-84.18051	16470
39.72528	-84.18053	16293
39.72528	-84.18055	16277
39.72528	-84.18056	15779
39.72528	-84.18058	15391
39.72528	-84.18060	14962
39.72528	-84.18061	15431
39.72528	-84.18064	15468
39.72528	-84.18066	14211
39.72528	-84.18068	13840
39.72528	-84.18070	13379
39.72528	-84.18072	13022
39.72528	-84.18075	13865
39.72529	-84.18076	14349
39.72528	-84.18079	13747
39.72528	-84.18081	13717
39.72528	-84.18083	13108

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72542	-84.18014	16942
39.72541	-84.18015	17712
39.72541	-84.18016	18312
39.72540	-84.18016	17643
39.72539	-84.18017	17217
39.72538	-84.18017	16348
39.72537	-84.18018	16368
39.72537	-84.18018	16148
39.72536	-84.18018	16854
39.72535	-84.18018	16415
39.72535	-84.18018	15550
39.72534	-84.18019	15807
39.72533	-84.18019	15566
39.72533	-84.18019	16744
39.72532	-84.18019	16619
39.72532	-84.18019	15921
39.72533	-84.18019	16000
39.72533	-84.18019	18057
39.72534	-84.18019	16826
39.72534	-84.18019	17390
39.72534	-84.18019	16877
39.72535	-84.18019	16791
39.72535	-84.18019	17394
39.72536	-84.18019	15960
39.72536	-84.18019	16372
39.72537	-84.18019	16823
39.72537	-84.18019	16413
39.72538	-84.18019	17267
39.72538	-84.18019	18050
39.72538	-84.18019	16590
39.72539	-84.18019	16662
39.72539	-84.18018	16521
39.72540	-84.18018	17656
39.72540	-84.18018	17234
39.72541	-84.18017	17687
39.72541	-84.18017	16583
39.72542	-84.18016	17749
39.72542	-84.18015	16979
39.72542	-84.18015	17673
39.72542	-84.18013	18000

39.72528	-84.18084	13487
39.72529	-84.18084	12962
39.72529	-84.18082	13162
39.72529	-84.18081	14331
39.72529	-84.18079	13676
39.72529	-84.18077	13638
39.72529	-84.18075	13430
39.72528	-84.18074	14122
39.72528	-84.18071	13991
39.72529	-84.18069	14996
39.72528	-84.18067	12970
39.72528	-84.18065	13077
39.72528	-84.18063	13333
39.72528	-84.18060	13933
39.72528	-84.18058	13897
39.72528	-84.18056	14228
39.72528	-84.18054	13033
39.72529	-84.18051	12993
39.72529	-84.18049	13378
39.72529	-84.18047	13672
39.72529	-84.18045	14125
39.72530	-84.18043	14319
39.72530	-84.18041	12826
39.72530	-84.18040	13463
39.72530	-84.18040	12299
39.72529	-84.18039	13015
39.72529	-84.18036	13428
39.72529	-84.18034	12607
39.72529	-84.18032	12495
39.72528	-84.18031	12645
39.72528	-84.18032	13365
39.72529	-84.18034	13742
39.72529	-84.18036	13897
39.72530	-84.18038	13845
39.72530	-84.18040	12936
39.72530	-84.18042	12715
39.72530	-84.18044	12752
39.72530	-84.18047	12721
39.72530	-84.18049	13790
39.72531	-84.18051	14026

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72543	-84.18013	16577
39.72543	-84.18012	17402
39.72543	-84.18012	17043
39.72543	-84.18011	16672
39.72543	-84.18011	16933
39.72543	-84.18010	16762
39.72543	-84.18009	17630
39.72543	-84.18009	17485
39.72543	-84.18008	17814
39.72544	-84.18008	18063
39.72545	-84.18008	17927
39.72544	-84.18008	18750
39.72544	-84.18008	17427
39.72543	-84.18007	17452
39.72545	-84.18007	16453
39.72546	-84.18008	16722
39.72546	-84.18008	16657
39.72543	-84.18008	17160
39.72542	-84.18009	17930
39.72543	-84.18009	17777
39.72546	-84.18010	17331
39.72546	-84.18010	17914
39.72545	-84.18010	17077
39.72546	-84.18010	17896
39.72544	-84.18013	17004
39.72541	-84.18013	17177
39.72542	-84.18013	17263
39.72544	-84.18014	18122
39.72543	-84.18016	18464
39.72542	-84.18016	18932
39.72541	-84.18017	18535
39.72541	-84.18018	16765
39.72540	-84.18018	16935
39.72539	-84.18018	16646
39.72538	-84.18019	16932
39.72538	-84.18019	17448
39.72537	-84.18019	16980
39.72536	-84.18019	16010
39.72536	-84.18019	16142
39.72536	-84.18019	15819

39.72530	-84.18053	13484
39.72529	-84.18056	13466
39.72529	-84.18058	14987
39.72529	-84.18060	14502
39.72529	-84.18062	13827
39.72529	-84.18064	13555
39.72529	-84.18067	13590
39.72529	-84.18069	13579
39.72529	-84.18072	13202
39.72528	-84.18073	15217
39.72529	-84.18075	12967
39.72529	-84.18078	13218
39.72529	-84.18080	13061
39.72529	-84.18082	13257
39.72530	-84.18083	14066
39.72530	-84.18083	13186
39.72530	-84.18082	12963
39.72530	-84.18080	13722
39.72530	-84.18077	14799
39.72530	-84.18075	15354
39.72530	-84.18073	14115
39.72530	-84.18071	13652
39.72530	-84.18069	12900
39.72529	-84.18066	13884
39.72529	-84.18064	13650
39.72529	-84.18062	13501
39.72529	-84.18060	12749
39.72529	-84.18057	13840
39.72530	-84.18055	12621
39.72530	-84.18053	12317
39.72530	-84.18050	12533
39.72530	-84.18048	13992
39.72530	-84.18046	13022
39.72530	-84.18043	11703
39.72531	-84.18041	13533
39.72530	-84.18039	13727
39.72530	-84.18036	13461
39.72530	-84.18034	13225
39.72530	-84.18032	12819
39.72530	-84.18030	13953

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72536	-84.18019	16548
39.72537	-84.18019	16961
39.72537	-84.18019	16370
39.72538	-84.18018	16468
39.72538	-84.18018	16659
39.72539	-84.18018	16805
39.72539	-84.18018	16476
39.72539	-84.18017	16584
39.72540	-84.18017	16557
39.72540	-84.18017	16254
39.72541	-84.18017	15122
39.72541	-84.18017	16146
39.72542	-84.18016	17610
39.72542	-84.18015	18029
39.72542	-84.18015	17737
39.72542	-84.18014	17983
39.72542	-84.18013	18065
39.72542	-84.18012	17655
39.72543	-84.18012	16954
39.72543	-84.18011	17190
39.72543	-84.18010	18972
39.72543	-84.18010	18294
39.72542	-84.18010	17769
39.72543	-84.18010	18311
39.72543	-84.18009	17255
39.72544	-84.18009	18224
39.72544	-84.18008	17444
39.72544	-84.18008	17435
39.72545	-84.18006	18538
39.72545	-84.18006	18288
39.72545	-84.18006	17021
39.72545	-84.18005	17158
39.72545	-84.18005	16383
39.72545	-84.18004	16888
39.72545	-84.18004	16407
39.72546	-84.18003	16733
39.72546	-84.18003	17529
39.72546	-84.18002	16905
39.72546	-84.18002	16201
39.72546	-84.18001	17968

39.72529	-84.18030	13591
39.72530	-84.18031	14733
39.72530	-84.18033	14041
39.72530	-84.18036	13281
39.72531	-84.18038	12588
39.72531	-84.18040	13413
39.72531	-84.18042	12461
39.72531	-84.18044	12196
39.72531	-84.18047	13090
39.72531	-84.18049	12489
39.72531	-84.18051	12309
39.72531	-84.18053	13189
39.72531	-84.18056	14384
39.72530	-84.18058	14066
39.72530	-84.18060	15938
39.72530	-84.18063	14670
39.72530	-84.18065	14711
39.72530	-84.18068	15514
39.72530	-84.18070	14253
39.72530	-84.18072	14718
39.72530	-84.18075	15052
39.72531	-84.18077	14763
39.72530	-84.18079	13557
39.72530	-84.18081	14028
39.72531	-84.18083	14159
39.72531	-84.18083	14396
39.72531	-84.18082	14023
39.72531	-84.18080	13784
39.72531	-84.18078	14098
39.72531	-84.18078	14113
39.72531	-84.18078	13693
39.72531	-84.18078	14988
39.72531	-84.18077	15827
39.72531	-84.18075	15658
39.72531	-84.18075	16627
39.72531	-84.18075	15389
39.72531	-84.18075	15270
39.72531	-84.18074	14996
39.72530	-84.18072	14866
39.72530	-84.18070	14742

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72546	-84.18001	16633
39.72546	-84.18001	17356
39.72546	-84.18001	17951
39.72546	-84.18001	17130
39.72546	-84.18000	16894
39.72546	-84.18000	15910
39.72546	-84.18001	15743
39.72546	-84.18001	16488
39.72546	-84.18000	16533
39.72546	-84.18000	17362
39.72548	-84.18000	17873
39.72547	-84.18000	16307
39.72547	-84.17999	16331
39.72547	-84.17999	17317
39.72546	-84.17999	17615
39.72546	-84.17999	18309
39.72546	-84.17998	17522
39.72547	-84.17998	16508
39.72548	-84.17997	17422
39.72548	-84.17997	16798
39.72548	-84.17997	15901
39.72546	-84.17996	17583
39.72548	-84.17996	16806
39.72548	-84.17996	16866
39.72548	-84.17996	16788
39.72547	-84.17996	16555
39.72547	-84.17996	15564
39.72547	-84.17996	16209
39.72547	-84.17996	16998
39.72545	-84.17995	17008
39.72546	-84.17995	17110
39.72546	-84.17996	16586
39.72545	-84.17995	15929
39.72545	-84.17995	16136
39.72545	-84.17995	16507
39.72545	-84.17994	15088
39.72545	-84.17994	15682
39.72544	-84.17994	15901
39.72544	-84.17993	15935
39.72543	-84.17992	15185

39.72530	-84.18068	14763
39.72530	-84.18066	14932
39.72530	-84.18064	14845
39.72531	-84.18061	14184
39.72530	-84.18059	13586
39.72530	-84.18057	13320
39.72530	-84.18055	13021
39.72531	-84.18052	13289
39.72531	-84.18050	13298
39.72531	-84.18048	13801
39.72531	-84.18045	13375
39.72531	-84.18043	12461
39.72532	-84.18041	12858
39.72532	-84.18038	12920
39.72531	-84.18036	14094
39.72531	-84.18034	13984
39.72531	-84.18033	14557
39.72531	-84.18033	15033
39.72532	-84.18030	14168
39.72532	-84.18030	16171
39.72532	-84.18031	17070
39.72532	-84.18032	16139
39.72532	-84.18033	15535
39.72532	-84.18035	14397
39.72532	-84.18037	14877
39.72533	-84.18039	14597
39.72533	-84.18041	13312
39.72533	-84.18044	13002
39.72532	-84.18046	12496
39.72532	-84.18048	12192
39.72533	-84.18051	13045
39.72532	-84.18053	13811
39.72532	-84.18055	13426
39.72531	-84.18057	13996
39.72531	-84.18059	13721
39.72532	-84.18062	12417
39.72531	-84.18064	13031
39.72531	-84.18065	15589
39.72531	-84.18066	15794
39.72531	-84.18066	14962

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72543	-84.17991	15525
39.72544	-84.17991	16768
39.72545	-84.17991	16775
39.72544	-84.17991	15784
39.72544	-84.17991	16153
39.72544	-84.17990	15635
39.72545	-84.17990	15293
39.72545	-84.17990	15978
39.72545	-84.17989	15671
39.72543	-84.17988	16997
39.72542	-84.17988	16205
39.72541	-84.17987	15774
39.72540	-84.17986	15943
39.72540	-84.17986	15961
39.72539	-84.17986	15967
39.72538	-84.17986	16498
39.72538	-84.17986	16872
39.72537	-84.17986	17262
39.72536	-84.17985	16910
39.72537	-84.17985	16959
39.72537	-84.17985	18229
39.72536	-84.17985	17185
39.72535	-84.17985	16827
39.72534	-84.17984	16214
39.72533	-84.17984	16931
39.72532	-84.17983	16555
39.72531	-84.17983	16834
39.72530	-84.17982	15616
39.72530	-84.17982	15661
39.72530	-84.17981	18031
39.72530	-84.17981	16344
39.72530	-84.17981	16100
39.72530	-84.17980	16430
39.72530	-84.17980	15601
39.72530	-84.17980	16681
39.72530	-84.17979	15834
39.72530	-84.17980	16345
39.72530	-84.17981	15212
39.72530	-84.17981	16366
39.72531	-84.17981	17256

39.72531	-84.18067	15283
39.72531	-84.18069	16179
39.72532	-84.18071	18584
39.72532	-84.18072	18146
39.72532	-84.18073	18142
39.72532	-84.18075	16483
39.72532	-84.18076	15878
39.72532	-84.18078	14826
39.72532	-84.18078	15862
39.72532	-84.18078	16253
39.72532	-84.18076	15915
39.72532	-84.18076	17091
39.72532	-84.18076	17097
39.72532	-84.18076	17318
39.72532	-84.18076	17835
39.72532	-84.18076	16752
39.72532	-84.18076	15591
39.72532	-84.18076	16287
39.72532	-84.18076	17424
39.72532	-84.18076	18522
39.72532	-84.18076	16736
39.72532	-84.18075	15842
39.72532	-84.18075	16798
39.72532	-84.18075	16689
39.72532	-84.18074	17627
39.72533	-84.18073	19268
39.72534	-84.18072	21342
39.72534	-84.18072	21205
39.72536	-84.18069	21176
39.72538	-84.18066	21501
39.72538	-84.18066	21947
39.72538	-84.18065	21795
39.72538	-84.18065	23082
39.72538	-84.18064	22449
39.72537	-84.18065	22217
39.72537	-84.18066	21688
39.72536	-84.18068	22115
39.72535	-84.18069	22083
39.72534	-84.18070	21009
39.72534	-84.18072	21000

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72531	-84.17980	17427
39.72532	-84.17980	18162
39.72532	-84.17981	17117
39.72532	-84.17982	16865
39.72532	-84.17982	16193
39.72532	-84.17981	16178
39.72533	-84.17980	16047
39.72533	-84.17980	16961
39.72533	-84.17981	17472
39.72533	-84.17982	16955
39.72533	-84.17983	16545
39.72534	-84.17982	16461
39.72535	-84.17982	16630
39.72535	-84.17982	16556
39.72535	-84.17984	17278
39.72535	-84.17983	17240
39.72536	-84.17983	18108
39.72536	-84.17982	17607
39.72536	-84.17982	18616
39.72536	-84.17982	19035
39.72536	-84.17983	17833
39.72535	-84.17984	17178
39.72535	-84.17984	17699
39.72535	-84.17984	17761
39.72535	-84.17984	18774
39.72535	-84.17984	18345
39.72535	-84.17984	17988
39.72535	-84.17983	16497
39.72535	-84.17983	15565
39.72535	-84.17982	16524
39.72535	-84.17982	17475
39.72535	-84.17982	17727
39.72535	-84.17983	16640
39.72535	-84.17983	16775
39.72535	-84.17983	17550
39.72535	-84.17983	18739
39.72535	-84.17983	18883
39.72535	-84.17983	19679
39.72535	-84.17984	18415
39.72535	-84.17984	17233

39.72533	-84.18073	21054
39.72532	-84.18073	20489
39.72531	-84.18073	19993
39.72531	-84.18073	19467
39.72532	-84.18073	18720
39.72532	-84.18072	20297
39.72534	-84.18070	19355
39.72535	-84.18069	20701
39.72536	-84.18067	23252
39.72536	-84.18067	22594
39.72536	-84.18067	22605
39.72536	-84.18065	21853
39.72536	-84.18064	20302
39.72536	-84.18065	21718
39.72536	-84.18065	21956
39.72536	-84.18065	20919
39.72537	-84.18064	22266
39.72537	-84.18063	20739
39.72537	-84.18064	20066
39.72536	-84.18065	22378
39.72536	-84.18063	20833
39.72536	-84.18063	20477
39.72537	-84.18063	20884
39.72537	-84.18063	21075
39.72536	-84.18063	20364
39.72535	-84.18064	20868
39.72535	-84.18063	20227
39.72536	-84.18063	19900
39.72536	-84.18063	21038
39.72536	-84.18063	19773
39.72536	-84.18063	20876
39.72536	-84.18063	19856
39.72537	-84.18065	20186
39.72536	-84.18067	22233
39.72535	-84.18068	22448
39.72535	-84.18068	21494
39.72533	-84.18070	21390
39.72532	-84.18071	20740
39.72532	-84.18071	19203
39.72531	-84.18071	19361

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72535	-84.17985	17108
39.72536	-84.17984	17215
39.72536	-84.17985	17341
39.72536	-84.17985	17811
39.72536	-84.17985	16860
39.72536	-84.17984	16606
39.72537	-84.17985	17024
39.72537	-84.17985	16457
39.72538	-84.17985	17503
39.72538	-84.17985	16726
39.72538	-84.17985	17617
39.72539	-84.17985	17279
39.72539	-84.17985	16142
39.72539	-84.17985	18588
39.72539	-84.17985	18305
39.72538	-84.17984	18016
39.72538	-84.17984	19193
39.72537	-84.17984	18246
39.72536	-84.17983	17066
39.72536	-84.17984	18112
39.72536	-84.17984	17807
39.72536	-84.17985	17240
39.72536	-84.17985	17828
39.72537	-84.17985	17351
39.72538	-84.17986	17605
39.72538	-84.17986	18256
39.72539	-84.17986	18384
39.72539	-84.17986	17454
39.72540	-84.17986	16838
39.72540	-84.17986	16526
39.72541	-84.17986	16736
39.72541	-84.17985	16447
39.72542	-84.17986	17302
39.72542	-84.17986	16908
39.72543	-84.17987	15840
39.72543	-84.17987	17063
39.72544	-84.17987	16492
39.72543	-84.17987	17101
39.72543	-84.17986	17501
39.72543	-84.17986	16866

39.72531	-84.18071	18084
39.72531	-84.18071	18315
39.72532	-84.18070	19853
39.72534	-84.18069	20755
39.72533	-84.18069	20950
39.72532	-84.18069	21183
39.72532	-84.18069	22065
39.72532	-84.18069	21981
39.72532	-84.18069	20854
39.72532	-84.18068	19461
39.72532	-84.18068	18771
39.72532	-84.18069	19028
39.72533	-84.18069	19672
39.72533	-84.18069	21105
39.72532	-84.18069	20358
39.72532	-84.18070	20550
39.72532	-84.18070	19540
39.72532	-84.18070	20164
39.72532	-84.18071	19043
39.72532	-84.18071	18434
39.72532	-84.18071	18890
39.72532	-84.18071	19576
39.72531	-84.18070	19211
39.72531	-84.18069	17111
39.72531	-84.18067	15710
39.72532	-84.18065	15077
39.72532	-84.18065	14863
39.72533	-84.18066	14722
39.72533	-84.18065	15664
39.72532	-84.18063	15034
39.72533	-84.18061	14162
39.72533	-84.18059	14387
39.72533	-84.18057	14040
39.72533	-84.18054	14309
39.72533	-84.18052	14150
39.72534	-84.18050	14048
39.72534	-84.18048	13454
39.72534	-84.18045	13993
39.72534	-84.18043	13110
39.72534	-84.18041	12661

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72542	-84.17985	18075
39.72541	-84.17985	17613
39.72540	-84.17985	16978
39.72540	-84.17985	16817
39.72541	-84.17986	17437
39.72543	-84.17986	17334
39.72544	-84.17987	16980
39.72545	-84.17988	16960
39.72546	-84.17988	16407
39.72547	-84.17989	16642
39.72547	-84.17990	15984
39.72547	-84.17990	16168
39.72547	-84.17990	15689
39.72548	-84.17991	16193
39.72548	-84.17992	16286
39.72548	-84.17991	16771
39.72548	-84.17990	17137
39.72548	-84.17989	16343
39.72547	-84.17989	16136
39.72547	-84.17989	17112
39.72548	-84.17989	16942
39.72547	-84.17989	16983
39.72547	-84.17990	17080
39.72547	-84.17990	16551
39.72547	-84.17990	16728
39.72546	-84.17990	16081
39.72546	-84.17991	16683
39.72546	-84.17991	16244
39.72546	-84.17990	16039
39.72545	-84.17990	16324
39.72545	-84.17990	16996
39.72544	-84.17989	16264
39.72543	-84.17989	16744
39.72543	-84.17989	17484
39.72542	-84.17988	17576
39.72544	-84.17988	17530
39.72543	-84.17989	18278
39.72544	-84.17989	17162
39.72546	-84.17989	17403
39.72547	-84.17990	17252

39.72534	-84.18039	13224
39.72534	-84.18037	14311
39.72533	-84.18036	13920
39.72534	-84.18035	14345
39.72534	-84.18034	13955
39.72534	-84.18034	14543
39.72533	-84.18035	15450
39.72534	-84.18035	15703
39.72535	-84.18034	14896
39.72534	-84.18035	16017
39.72534	-84.18036	15686
39.72533	-84.18037	16229
39.72534	-84.18038	16543
39.72534	-84.18038	16537
39.72535	-84.18039	14781
39.72535	-84.18039	15453
39.72535	-84.18038	15141
39.72535	-84.18038	15710
39.72535	-84.18039	15726
39.72535	-84.18040	16893
39.72535	-84.18043	15502
39.72536	-84.18045	13826
39.72536	-84.18047	13683
39.72535	-84.18048	12824
39.72536	-84.18048	12967
39.72535	-84.18049	12995
39.72536	-84.18048	13454
39.72535	-84.18049	13680
39.72534	-84.18051	12127
39.72534	-84.18052	11626
39.72534	-84.18054	12401
39.72534	-84.18055	12950
39.72535	-84.18057	13477
39.72535	-84.18059	13203
39.72535	-84.18060	13727
39.72535	-84.18060	13333
39.72535	-84.18061	13774
39.72535	-84.18060	14149
39.72535	-84.18059	12913
39.72535	-84.18061	14487

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72547	-84.17990	16458
39.72548	-84.17991	16428
39.72548	-84.17991	16633
39.72549	-84.17991	17149
39.72549	-84.17991	16543
39.72549	-84.17991	15790
39.72549	-84.17992	17020
39.72550	-84.17992	16824
39.72550	-84.17993	15392
39.72551	-84.17993	16477
39.72551	-84.17993	16345
39.72547	-84.17994	16703
39.72547	-84.17995	16897
39.72546	-84.17996	16443
39.72546	-84.17996	17222
39.72546	-84.17997	17384
39.72546	-84.17998	17118
39.72547	-84.17999	17510
39.72546	-84.17999	17175
39.72546	-84.18000	17598
39.72546	-84.18000	17075
39.72545	-84.18000	16555
39.72545	-84.18000	16305
39.72546	-84.18000	15704
39.72546	-84.18000	17711
39.72546	-84.18000	18817
39.72547	-84.18000	17572
39.72547	-84.18000	17210
39.72547	-84.18000	17212
39.72547	-84.18000	17753
39.72547	-84.18000	17267
39.72547	-84.18000	17168
39.72547	-84.18000	16750
39.72547	-84.18001	17924
39.72548	-84.18001	17272
39.72548	-84.18001	18751
39.72548	-84.18001	17133
39.72548	-84.18001	16980
39.72548	-84.18001	17352
39.72548	-84.18002	16556

39.72534	-84.18062	14722
39.72534	-84.18064	13944
39.72534	-84.18065	15274
39.72533	-84.18066	16034
39.72533	-84.18065	15586
39.72533	-84.18065	16809
39.72533	-84.18065	16317
39.72534	-84.18064	15606
39.72534	-84.18064	14746
39.72533	-84.18064	13938
39.72533	-84.18064	13655
39.72533	-84.18064	15211
39.72533	-84.18064	15627
39.72533	-84.18064	15482
39.72534	-84.18063	14685
39.72534	-84.18063	14468
39.72534	-84.18064	14373
39.72534	-84.18062	15246
39.72534	-84.18059	14259
39.72534	-84.18057	15019
39.72534	-84.18057	14812
39.72534	-84.18056	13841
39.72534	-84.18057	14795
39.72534	-84.18058	14492
39.72534	-84.18058	13742
39.72535	-84.18056	13687
39.72535	-84.18056	13543
39.72535	-84.18057	13606
39.72535	-84.18058	12428
39.72535	-84.18058	13285
39.72535	-84.18057	13659
39.72535	-84.18058	15112
39.72535	-84.18058	14383
39.72535	-84.18058	14879
39.72535	-84.18060	13715
39.72535	-84.18061	13424
39.72534	-84.18062	14083
39.72534	-84.18063	13366
39.72535	-84.18063	15299
39.72535	-84.18063	15845

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72548	-84.18002	16177
39.72548	-84.18003	17778
39.72547	-84.18003	17242
39.72547	-84.18004	17612
39.72548	-84.18004	17983
39.72548	-84.18005	18869
39.72546	-84.18005	17385
39.72545	-84.18005	17112
39.72545	-84.18005	17837
39.72545	-84.18005	17477
39.72547	-84.18005	18070
39.72545	-84.18005	17210
39.72545	-84.18006	16916
39.72545	-84.18006	18044
39.72547	-84.18007	18356
39.72546	-84.18008	17448
39.72546	-84.18008	17283
39.72547	-84.18009	16988
39.72547	-84.18009	17626
39.72546	-84.18010	18406
39.72547	-84.18010	18388
39.72547	-84.18011	18437
39.72547	-84.18011	17924
39.72545	-84.18011	18055
39.72545	-84.18011	16909
39.72546	-84.18012	17335
39.72546	-84.18012	16783
39.72546	-84.18012	17687
39.72545	-84.18013	17329
39.72545	-84.18013	17966
39.72545	-84.18014	17778
39.72544	-84.18015	17782
39.72544	-84.18016	17455
39.72543	-84.18016	17434
39.72543	-84.18017	17910
39.72543	-84.18018	17025
39.72542	-84.18019	16720
39.72542	-84.18020	16221
39.72541	-84.18021	16796
39.72543	-84.18020	16506

39.72535	-84.18063	14898
39.72535	-84.18063	15220
39.72535	-84.18063	14250
39.72535	-84.18062	14363
39.72535	-84.18060	13987
39.72535	-84.18058	14588
39.72535	-84.18057	14220
39.72535	-84.18057	14037
39.72535	-84.18058	14118
39.72535	-84.18058	12971
39.72536	-84.18057	13543
39.72536	-84.18056	13902
39.72536	-84.18057	15064
39.72536	-84.18058	14216
39.72536	-84.18059	13370
39.72536	-84.18061	13902
39.72536	-84.18062	14456
39.72536	-84.18063	13798
39.72536	-84.18063	13945
39.72536	-84.18063	14872
39.72536	-84.18063	15532
39.72536	-84.18063	14303
39.72537	-84.18062	14058
39.72536	-84.18062	15289
39.72537	-84.18060	15668
39.72537	-84.18058	14220
39.72537	-84.18057	14227
39.72537	-84.18057	14778
39.72537	-84.18057	15078
39.72537	-84.18056	14115
39.72537	-84.18056	14148
39.72537	-84.18056	13642
39.72537	-84.18057	14585
39.72537	-84.18057	14706
39.72537	-84.18057	14238
39.72538	-84.18056	13689
39.72538	-84.18055	13690
39.72538	-84.18056	14241
39.72538	-84.18056	13498
39.72538	-84.18056	13969

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72543	-84.18019	17626
39.72543	-84.18018	18388
39.72543	-84.18019	17508
39.72542	-84.18019	17184
39.72541	-84.18019	17143
39.72540	-84.18020	16159
39.72539	-84.18019	17319
39.72538	-84.18020	16228
39.72538	-84.18020	15942
39.72537	-84.18020	16179
39.72537	-84.18019	15251
39.72537	-84.18019	16188
39.72536	-84.18019	16586
39.72536	-84.18018	16642
39.72536	-84.18018	16269
39.72536	-84.18017	15485
39.72535	-84.18017	16668
39.72535	-84.18017	16485
39.72535	-84.18016	16679
39.72535	-84.18016	16324
39.72535	-84.18018	15789
39.72534	-84.18019	15321
39.72534	-84.18019	16021
39.72535	-84.18019	15825
39.72535	-84.18019	15891
39.72535	-84.18019	17217
39.72535	-84.18019	16847
39.72535	-84.18019	17685
39.72535	-84.18019	17113
39.72535	-84.18019	17333
39.72535	-84.18019	17158
39.72535	-84.18019	17123
39.72535	-84.18019	15901
39.72535	-84.18019	16527
39.72535	-84.18019	17412
39.72535	-84.18019	16558
39.72535	-84.18019	16869
39.72535	-84.18019	16613
39.72535	-84.18019	16408
39.72535	-84.18019	15909

39.72539	-84.18055	15426
39.72539	-84.18055	14231
39.72539	-84.18055	14661
39.72539	-84.18055	14087
39.72539	-84.18055	14924
39.72539	-84.18056	15255
39.72539	-84.18055	14617
39.72539	-84.18055	14675
39.72539	-84.18054	14779
39.72539	-84.18054	14729
39.72539	-84.18054	14815
39.72538	-84.18055	15348
39.72538	-84.18055	14985
39.72538	-84.18055	15607
39.72538	-84.18055	14416
39.72538	-84.18055	14526
39.72538	-84.18055	13856
39.72540	-84.18055	15188
39.72540	-84.18055	15060
39.72541	-84.18055	15600
39.72541	-84.18056	15863
39.72541	-84.18056	15296
39.72541	-84.18056	15363
39.72539	-84.18046	14010
39.72539	-84.18046	13688
39.72539	-84.18046	13850
39.72538	-84.18044	13606
39.72538	-84.18044	13083
39.72537	-84.18041	13803
39.72535	-84.18039	16443
39.72535	-84.18039	15379
39.72536	-84.18039	16646
39.72536	-84.18040	16086
39.72536	-84.18039	17190
39.72536	-84.18039	16617
39.72536	-84.18039	15510
39.72536	-84.18039	16425
39.72536	-84.18039	16644
39.72536	-84.18039	15602
39.72536	-84.18040	14212

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72535	-84.18019	16641
39.72535	-84.18019	17493
39.72535	-84.18019	15858
39.72535	-84.18019	16054
39.72535	-84.18019	15892
39.72535	-84.18019	15806
39.72535	-84.18019	16103
39.72535	-84.18019	15684
39.72535	-84.18019	15650
39.72535	-84.18019	16724
39.72535	-84.18019	16392
39.72535	-84.18019	16466
39.72535	-84.18019	16797
39.72535	-84.18019	16281
39.72536	-84.18019	16270
39.72536	-84.18019	15876
39.72536	-84.18019	16150
39.72536	-84.18019	17142
39.72536	-84.18019	16553
39.72536	-84.18019	16150
39.72536	-84.18019	16675
39.72536	-84.18019	16155
39.72536	-84.18019	16129
39.72536	-84.18019	16684
39.72536	-84.18019	16404
39.72536	-84.18019	17036
39.72536	-84.18019	15831
39.72536	-84.18019	16147
39.72536	-84.18019	16368
39.72536	-84.18019	17803
39.72536	-84.18019	17056
39.72536	-84.18019	16978
39.72536	-84.18019	17246
39.72536	-84.18019	16334
39.72536	-84.18019	16489
39.72536	-84.18019	16209
39.72536	-84.18019	17961
39.72536	-84.18019	15288
39.72536	-84.18019	16639
39.72536	-84.18019	16490

39.72535	-84.18040	14411
39.72535	-84.18040	15923
39.72536	-84.18042	14214
39.72536	-84.18044	13193
39.72536	-84.18045	13102
39.72536	-84.18046	12976
39.72536	-84.18045	12660
39.72537	-84.18046	13797
39.72537	-84.18045	13268
39.72537	-84.18044	13236
39.72537	-84.18042	14053
39.72536	-84.18041	14154
39.72536	-84.18041	13772
39.72537	-84.18042	13994
39.72537	-84.18044	13136
39.72538	-84.18046	12687
39.72538	-84.18045	14017
39.72537	-84.18044	14364
39.72537	-84.18042	14256
39.72537	-84.18041	14719
39.72537	-84.18040	14324
39.72537	-84.18040	14862
39.72536	-84.18039	16228
39.72536	-84.18039	15896
39.72536	-84.18039	16750
39.72536	-84.18040	16623
39.72537	-84.18040	15518
39.72538	-84.18042	14998
39.72539	-84.18044	12901
39.72540	-84.18046	13055
39.72541	-84.18049	14193
39.72542	-84.18051	13612
39.72542	-84.18053	13539
39.72543	-84.18055	12835
39.72543	-84.18056	13072
39.72543	-84.18056	15185
39.72544	-84.18056	17912
39.72544	-84.18057	18974
39.72544	-84.18057	17535
39.72544	-84.18058	19108

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72536	-84.18019	17121
39.72536	-84.18019	16855
39.72536	-84.18019	16243
39.72536	-84.18019	16271
39.72536	-84.18019	16392
39.72536	-84.18019	16209
39.72536	-84.18019	16510
39.72536	-84.18019	16084
39.72536	-84.18019	16693
39.72536	-84.18019	16141
39.72536	-84.18019	16674
39.72536	-84.18019	17123
39.72536	-84.18019	16838
39.72536	-84.18019	16245
39.72536	-84.18019	15412
39.72537	-84.18019	15926
39.72537	-84.18019	15628
39.72537	-84.18019	17024
39.72537	-84.18019	15916
39.72537	-84.18019	16091
39.72537	-84.18019	16374
39.72537	-84.18019	16942
39.72537	-84.18019	16577
39.72537	-84.18019	17056
39.72537	-84.18019	17122
39.72537	-84.18019	15829
39.72537	-84.18019	16415
39.72537	-84.18019	15820
39.72537	-84.18019	16249
39.72537	-84.18019	17677
39.72537	-84.18019	15260
39.72537	-84.18019	16352
39.72537	-84.18019	17225
39.72537	-84.18019	17756
39.72537	-84.18019	16928
39.72537	-84.18019	16523
39.72536	-84.18019	16847
39.72535	-84.18019	15742
39.72535	-84.18019	16252
39.72534	-84.18019	15650

39.72544	-84.18058	19882
39.72544	-84.18058	20981
39.72542	-84.18051	18666
39.72542	-84.18051	16411
39.72542	-84.18051	16163
39.72541	-84.18049	14478
39.72540	-84.18047	13593
39.72539	-84.18045	15231
39.72538	-84.18043	14490
39.72538	-84.18043	13260
39.72538	-84.18043	13989
39.72540	-84.18043	15855
39.72540	-84.18043	14202
39.72540	-84.18044	14215
39.72541	-84.18045	14736
39.72541	-84.18046	14165
39.72541	-84.18046	13684
39.72542	-84.18049	14214
39.72542	-84.18050	14127
39.72543	-84.18052	14097
39.72544	-84.18053	14379
39.72545	-84.18055	16749
39.72546	-84.18057	18912
39.72546	-84.18058	20237
39.72546	-84.18058	20544
39.72547	-84.18058	21522
39.72546	-84.18056	21501
39.72545	-84.18055	20436
39.72545	-84.18055	17924
39.72545	-84.18055	15465
39.72540	-84.18046	15188
39.72540	-84.18046	14868
39.72540	-84.18046	15000
39.72541	-84.18045	15951
39.72540	-84.18044	14536
39.72540	-84.18043	14328
39.72540	-84.18043	15234
39.72540	-84.18043	16053
39.72540	-84.18043	18905
39.72540	-84.18043	17662

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72533	-84.18019	15579
39.72532	-84.18019	16977
39.72533	-84.18019	16442
39.72533	-84.18019	16345
39.72533	-84.18019	16631
39.72534	-84.18019	16968
39.72535	-84.18018	16367
39.72536	-84.18018	15816
39.72537	-84.18018	15610
39.72538	-84.18018	15942
39.72539	-84.18018	16343
39.72541	-84.18018	15692
39.72542	-84.18018	15692
39.72542	-84.18017	16851
39.72543	-84.18016	17365
39.72544	-84.18015	16888
39.72544	-84.18014	17711
39.72544	-84.18013	17915
39.72545	-84.18012	17106
39.72545	-84.18011	17943
39.72545	-84.18010	18224
39.72546	-84.18009	18740
39.72546	-84.18007	17328
39.72546	-84.18007	18825
39.72547	-84.18006	18249
39.72547	-84.18004	18731
39.72547	-84.18003	18131
39.72547	-84.18002	18052
39.72547	-84.18001	17814
39.72547	-84.18000	18418
39.72547	-84.17999	16926
39.72547	-84.17998	16563
39.72546	-84.17997	16460
39.72546	-84.17996	16133
39.72546	-84.17995	15686
39.72546	-84.17995	15316
39.72546	-84.17995	15989
39.72545	-84.17995	15195
39.72546	-84.17995	15004
39.72546	-84.17995	14537

39.72540	-84.18043	16917
39.72541	-84.18044	16111
39.72542	-84.18046	15765
39.72543	-84.18047	15642
39.72543	-84.18047	14732
39.72544	-84.18051	16254
39.72545	-84.18054	16860
39.72546	-84.18055	18998
39.72546	-84.18055	21668
39.72546	-84.18055	21257
39.72547	-84.18055	20308
39.72547	-84.18055	21343
39.72548	-84.18055	21169
39.72549	-84.18054	22043
39.72549	-84.18053	21203
39.72550	-84.18052	20533
39.72549	-84.18053	20374
39.72549	-84.18053	20543
39.72549	-84.18053	21098
39.72552	-84.18053	20317
39.72552	-84.18053	19230
39.72552	-84.18053	21071
39.72551	-84.18055	22591
39.72550	-84.18056	22244
39.72550	-84.18056	21302
39.72551	-84.18055	20839
39.72551	-84.18054	22430
39.72552	-84.18053	22025
39.72553	-84.18052	21205
39.72552	-84.18053	20489
39.72551	-84.18054	21585
39.72550	-84.18056	21997
39.72550	-84.18056	21644
39.72549	-84.18055	21274
39.72548	-84.18055	21297
39.72548	-84.18055	20824
39.72548	-84.18055	20209
39.72546	-84.18048	19619
39.72546	-84.18048	19161
39.72546	-84.18048	17855

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72546	-84.17995	16040
39.72546	-84.17996	16482
39.72546	-84.17996	16700
39.72546	-84.17998	16842
39.72546	-84.17999	15783
39.72546	-84.17997	16232
39.72546	-84.17996	16338
39.72546	-84.17995	16038
39.72546	-84.17995	15572
39.72546	-84.17995	15741
39.72546	-84.17995	15496
39.72546	-84.17994	15652
39.72546	-84.17994	16318
39.72546	-84.17994	16758
39.72546	-84.17993	17495
39.72545	-84.17992	16263
39.72544	-84.17992	15801
39.72544	-84.17991	15666
39.72543	-84.17990	16071
39.72542	-84.17989	16827
39.72543	-84.17989	16540
39.72545	-84.17988	15684
39.72546	-84.17991	16569
39.72547	-84.17991	16204
39.72546	-84.17992	16151
39.72545	-84.17992	16518
39.72545	-84.17992	16899
39.72544	-84.17993	16507
39.72543	-84.17993	15239
39.72542	-84.17993	15747
39.72541	-84.17994	15996
39.72541	-84.17994	16826
39.72541	-84.17995	16639
39.72541	-84.17995	16937
39.72546	-84.17996	17415
39.72548	-84.17998	17354
39.72543	-84.17998	16577
39.72540	-84.17999	17566
39.72539	-84.18000	17387
39.72540	-84.18001	17816

39.72545	-84.18046	17971
39.72544	-84.18045	17687
39.72543	-84.18043	18020
39.72542	-84.18042	18238
39.72542	-84.18041	19044
39.72542	-84.18041	18892
39.72542	-84.18041	19022
39.72542	-84.18041	20133
39.72542	-84.18041	19057
39.72542	-84.18041	19033
39.72546	-84.18045	19015
39.72546	-84.18045	16638
39.72546	-84.18045	16388
39.72546	-84.18045	15614
39.72545	-84.18045	15205
39.72544	-84.18045	14922
39.72544	-84.18045	15406
39.72544	-84.18045	15081
39.72544	-84.18045	14645
39.72545	-84.18039	21560
39.72545	-84.18039	21689
39.72545	-84.18039	21279
39.72544	-84.18039	22751
39.72544	-84.18038	20460
39.72544	-84.18038	21044
39.72544	-84.18038	21125
39.72545	-84.18039	20250
39.72545	-84.18040	20464
39.72545	-84.18041	21163
39.72545	-84.18042	19975
39.72544	-84.18043	19668
39.72543	-84.18044	19440
39.72543	-84.18044	17034
39.72543	-84.18044	15469
39.72546	-84.18041	18815
39.72546	-84.18041	19566
39.72546	-84.18041	19380
39.72547	-84.18041	19741
39.72547	-84.18041	19385
39.72547	-84.18041	20417

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72541	-84.18003	17747
39.72542	-84.18004	17970
39.72543	-84.18005	18106
39.72543	-84.18006	17992
39.72543	-84.18006	18432
39.72543	-84.18006	17721
39.72543	-84.18006	18149
39.72544	-84.18006	17379
39.72544	-84.18006	17336
39.72544	-84.18006	18182
39.72544	-84.18006	18091
39.72544	-84.18006	18087
39.72544	-84.18006	17754
39.72546	-84.18007	17626
39.72547	-84.18007	19058
39.72548	-84.18008	18827
39.72549	-84.18008	18251
39.72549	-84.18008	19019
39.72549	-84.18009	18648
39.72549	-84.18009	18045
39.72549	-84.18010	17710
39.72549	-84.18010	18025
39.72549	-84.18011	18110
39.72548	-84.18011	17968
39.72549	-84.18011	18154
39.72548	-84.18011	18252
39.72547	-84.18011	18383
39.72547	-84.18012	18485
39.72546	-84.18012	19084
39.72546	-84.18012	17759
39.72546	-84.18013	18415
39.72547	-84.18013	18774
39.72547	-84.18014	19187
39.72548	-84.18014	18151
39.72546	-84.18014	18167
39.72548	-84.18015	17983
39.72547	-84.18016	18734
39.72545	-84.18017	18654
39.72544	-84.18018	17988
39.72545	-84.18018	17742

39.72547	-84.18042	19755
39.72547	-84.18042	19386
39.72547	-84.18042	19844
39.72547	-84.18042	19717
39.72548	-84.18042	19669
39.72548	-84.18042	20461
39.72548	-84.18042	19836
39.72549	-84.18042	19844
39.72549	-84.18042	19841
39.72548	-84.18043	18511
39.72548	-84.18044	19751
39.72547	-84.18045	17831
39.72547	-84.18045	19195
39.72552	-84.18044	19254
39.72552	-84.18044	18503
39.72552	-84.18044	20035
39.72552	-84.18044	19431
39.72552	-84.18044	19992
39.72552	-84.18044	19560
39.72552	-84.18045	20376
39.72551	-84.18046	20082
39.72551	-84.18046	20391
39.72551	-84.18046	20004
39.72554	-84.18049	19233
39.72554	-84.18049	18924
39.72554	-84.18049	20266
39.72553	-84.18048	18611
39.72552	-84.18047	19142
39.72552	-84.18047	22375
39.72557	-84.18050	20012
39.72557	-84.18050	20703
39.72557	-84.18050	21004
39.72557	-84.18050	19479
39.72556	-84.18050	19654
39.72556	-84.18050	19957
39.72556	-84.18050	20837
39.72554	-84.18050	20185
39.72552	-84.18050	20623
39.72552	-84.18050	21730
39.72552	-84.18050	20873

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72541	-84.18018	17385
39.72541	-84.18019	17845
39.72539	-84.18020	16539
39.72539	-84.18019	16267
39.72538	-84.18020	16931
39.72538	-84.18020	15944
39.72537	-84.18019	15236
39.72535	-84.18020	15595
39.72535	-84.18020	16406
39.72535	-84.18019	16893
39.72535	-84.18019	15650
39.72535	-84.18019	16308
39.72536	-84.18020	16648
39.72537	-84.18020	16576
39.72537	-84.18020	15782
39.72538	-84.18021	16346
39.72539	-84.18021	16246
39.72538	-84.18022	16873
39.72539	-84.18021	16922
39.72540	-84.18020	16252
39.72541	-84.18019	16044
39.72541	-84.18020	18001
39.72541	-84.18021	17258
39.72541	-84.18021	16142
39.72540	-84.18021	17763
39.72540	-84.18021	17283
39.72541	-84.18022	18146
39.72542	-84.18022	17729
39.72544	-84.18023	16936
39.72542	-84.18024	15657
39.72543	-84.18023	16638
39.72543	-84.18022	17056
39.72543	-84.18021	17007
39.72544	-84.18019	16031
39.72544	-84.18017	17256
39.72544	-84.18017	16933
39.72545	-84.18015	16758
39.72545	-84.18014	17889
39.72546	-84.18013	17636
39.72546	-84.18011	17565

39.72552	-84.18050	20992
39.72518	-84.18036	19877
39.72518	-84.18036	20816
39.72518	-84.18036	20184
39.72518	-84.18035	19036
39.72518	-84.18035	19245
39.72518	-84.18035	19068
39.72517	-84.18034	17962
39.72517	-84.18034	17409
39.72517	-84.18034	16203
39.72515	-84.18034	18501
39.72514	-84.18034	18371
39.72513	-84.18035	19872
39.72513	-84.18035	21542
39.72511	-84.18034	20774
39.72509	-84.18034	21591
39.72507	-84.18034	22500
39.72506	-84.18034	21954
39.72504	-84.18035	22850
39.72502	-84.18034	22036
39.72501	-84.18035	22621
39.72500	-84.18035	23406
39.72499	-84.18036	23023
39.72497	-84.18036	23289
39.72495	-84.18037	22613
39.72495	-84.18037	21200
39.72493	-84.18037	20784
39.72491	-84.18036	21547
39.72491	-84.18038	21354
39.72489	-84.18038	20769
39.72487	-84.18037	20199
39.72486	-84.18037	21274
39.72485	-84.18038	21528
39.72484	-84.18038	21963
39.72484	-84.18037	23278
39.72482	-84.18037	23363
39.72482	-84.18039	22952
39.72481	-84.18038	22487
39.72481	-84.18038	23127
39.72481	-84.18038	22526

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72547	-84.18010	16742
39.72547	-84.18009	17849
39.72547	-84.18009	18405
39.72547	-84.18009	18463
39.72548	-84.18008	19426
39.72548	-84.18007	17894
39.72548	-84.18006	16940
39.72548	-84.18006	17541
39.72548	-84.18006	17823
39.72548	-84.18005	17917
39.72548	-84.18005	16982
39.72548	-84.18004	17208
39.72547	-84.18003	17755
39.72548	-84.18003	17688
39.72548	-84.18002	17736
39.72548	-84.18001	17227
39.72548	-84.17999	17387
39.72549	-84.17999	16740
39.72548	-84.17998	16799
39.72546	-84.17996	17263
39.72545	-84.17995	17096
39.72545	-84.17993	16532
39.72545	-84.17992	16440
39.72545	-84.17991	15718
39.72546	-84.17991	16642
39.72546	-84.17991	16219
39.72546	-84.17992	15847
39.72546	-84.17992	16161
39.72546	-84.17993	16072
39.72546	-84.17993	16989
39.72546	-84.17993	15839
39.72547	-84.17993	15683
39.72547	-84.17993	16264
39.72547	-84.17993	16585
39.72548	-84.17993	17073
39.72548	-84.17993	18007
39.72548	-84.17993	18363
39.72549	-84.17993	16310
39.72549	-84.17992	17112
39.72550	-84.17992	16374

39.72481	-84.18039	21020
39.72480	-84.18039	21471
39.72480	-84.18039	22442
39.72480	-84.18039	21495
39.72481	-84.18039	21850
39.72482	-84.18039	22110
39.72483	-84.18039	22616
39.72484	-84.18039	22004
39.72484	-84.18039	22491
39.72485	-84.18039	22184
39.72486	-84.18038	22129
39.72487	-84.18038	21101
39.72489	-84.18038	21518
39.72490	-84.18038	21412
39.72492	-84.18037	19816
39.72493	-84.18037	22220
39.72493	-84.18038	21327
39.72494	-84.18038	20722
39.72495	-84.18038	20976
39.72496	-84.18037	21187
39.72498	-84.18036	21220
39.72499	-84.18036	22457
39.72500	-84.18035	20618
39.72502	-84.18035	22572
39.72503	-84.18035	21541
39.72505	-84.18035	23330
39.72506	-84.18035	21441
39.72508	-84.18034	21671
39.72510	-84.18034	21566
39.72512	-84.18034	22497
39.72513	-84.18035	21234
39.72514	-84.18035	20211
39.72515	-84.18035	18864
39.72517	-84.18035	18002
39.72518	-84.18035	19658
39.72520	-84.18035	18695
39.72520	-84.18035	18132
39.72520	-84.18035	18909
39.72520	-84.18036	17377
39.72520	-84.18037	18240

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72551	-84.17992	16363
39.72551	-84.17992	15922
39.72552	-84.17992	16188
39.72552	-84.17992	16427
39.72552	-84.17992	17022
39.72553	-84.17992	16186
39.72552	-84.17992	15861
39.72552	-84.17992	16199
39.72552	-84.17992	16380
39.72552	-84.17992	15727
39.72552	-84.17992	16847
39.72552	-84.17992	17381
39.72553	-84.17992	17264
39.72553	-84.17992	16242
39.72553	-84.17992	16615
39.72546	-84.17991	16505
39.72547	-84.17992	16207
39.72548	-84.17993	15706
39.72549	-84.17993	17206
39.72548	-84.17994	16142
39.72548	-84.17995	15568
39.72549	-84.17997	15739
39.72549	-84.17998	16718
39.72549	-84.18000	16669
39.72549	-84.18001	17179
39.72549	-84.18002	16873
39.72549	-84.18003	18381
39.72548	-84.18004	18198
39.72547	-84.18005	17858
39.72547	-84.18005	18321
39.72546	-84.18006	17947
39.72546	-84.18006	18392
39.72547	-84.18006	18213
39.72547	-84.18006	18627
39.72547	-84.18006	18489
39.72547	-84.18006	18232
39.72547	-84.18006	17876
39.72547	-84.18006	18436
39.72547	-84.18007	18441
39.72547	-84.18007	18653

39.72520	-84.18037	18119
39.72518	-84.18037	19162
39.72517	-84.18036	19889
39.72516	-84.18036	20417
39.72515	-84.18035	19632
39.72513	-84.18035	19673
39.72512	-84.18035	24102
39.72511	-84.18035	21922
39.72510	-84.18036	20389
39.72508	-84.18036	20501
39.72507	-84.18036	22059
39.72505	-84.18036	22383
39.72503	-84.18036	22316
39.72502	-84.18036	22811
39.72500	-84.18037	22280
39.72499	-84.18037	22058
39.72498	-84.18038	21136
39.72496	-84.18038	20713
39.72494	-84.18038	19433
39.72493	-84.18038	19355
39.72492	-84.18038	20151
39.72491	-84.18039	21834
39.72489	-84.18040	21518
39.72487	-84.18040	23267
39.72485	-84.18040	22775
39.72484	-84.18040	21549
39.72483	-84.18041	20980
39.72482	-84.18041	20955
39.72481	-84.18041	21150
39.72480	-84.18041	20823
39.72479	-84.18040	22241
39.72479	-84.18040	21651
39.72479	-84.18040	21526
39.72479	-84.18041	22343
39.72479	-84.18041	22229
39.72478	-84.18042	22470
39.72479	-84.18041	21226
39.72479	-84.18041	21635
39.72480	-84.18041	22138
39.72480	-84.18041	22390

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72547	-84.18007	18153
39.72547	-84.18007	18809
39.72547	-84.18008	18320
39.72547	-84.18008	17878
39.72547	-84.18008	18913
39.72547	-84.18008	17981
39.72547	-84.18009	18192
39.72547	-84.18009	18710
39.72547	-84.18009	18708
39.72547	-84.18009	17936
39.72547	-84.18010	18467
39.72547	-84.18010	18922
39.72547	-84.18010	19023
39.72547	-84.18010	19303
39.72547	-84.18010	19601
39.72547	-84.18011	19519
39.72547	-84.18011	18120
39.72547	-84.18011	18233
39.72547	-84.18011	19774
39.72547	-84.18012	19098
39.72547	-84.18012	19529
39.72547	-84.18012	19307
39.72547	-84.18012	20019
39.72547	-84.18013	18367
39.72547	-84.18013	18634
39.72547	-84.18013	18238
39.72547	-84.18013	18522
39.72547	-84.18014	17721
39.72547	-84.18014	18181
39.72547	-84.18014	19716
39.72547	-84.18014	18431
39.72547	-84.18014	18200
39.72547	-84.18015	19091
39.72547	-84.18015	17895
39.72547	-84.18015	18463
39.72546	-84.18015	17946
39.72546	-84.18016	17935
39.72546	-84.18016	18310
39.72546	-84.18016	17178
39.72546	-84.18016	18299

39.72481	-84.18041	22747
39.72481	-84.18041	22865
39.72481	-84.18041	22017
39.72485	-84.18041	23640
39.72485	-84.18041	21286
39.72485	-84.18041	23198
39.72485	-84.18041	22100
39.72486	-84.18041	22440
39.72486	-84.18041	23320
39.72487	-84.18041	24419
39.72487	-84.18041	23028
39.72488	-84.18040	22781
39.72488	-84.18040	22778
39.72488	-84.18040	22469
39.72488	-84.18040	22681
39.72492	-84.18040	21256
39.72492	-84.18040	21498
39.72492	-84.18040	21480
39.72492	-84.18039	21426
39.72493	-84.18038	20776
39.72493	-84.18039	21820
39.72494	-84.18039	19794
39.72495	-84.18039	21800
39.72495	-84.18037	22679
39.72498	-84.18038	20797
39.72499	-84.18038	21089
39.72500	-84.18038	21862
39.72502	-84.18038	21141
39.72503	-84.18037	22358
39.72504	-84.18036	22427
39.72504	-84.18035	22304
39.72506	-84.18035	22497
39.72508	-84.18036	22589
39.72509	-84.18036	20946
39.72510	-84.18036	21214
39.72512	-84.18036	20709
39.72512	-84.18036	20653
39.72513	-84.18036	19805
39.72515	-84.18037	18590
39.72516	-84.18036	19098

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72546	-84.18017	18021
39.72546	-84.18017	17614
39.72546	-84.18017	18053
39.72546	-84.18017	18566
39.72546	-84.18017	17722
39.72546	-84.18018	17719
39.72545	-84.18019	18062
39.72545	-84.18019	18913
39.72544	-84.18020	19268
39.72543	-84.18020	18115
39.72543	-84.18021	18566
39.72542	-84.18021	16971
39.72542	-84.18022	16634
39.72541	-84.18023	16806
39.72541	-84.18023	16568
39.72541	-84.18023	16447
39.72541	-84.18023	17066
39.72542	-84.18022	17431
39.72543	-84.18021	17946
39.72544	-84.18020	17261
39.72544	-84.18021	17450
39.72544	-84.18022	17866
39.72543	-84.18022	17896
39.72543	-84.18023	17581
39.72542	-84.18023	18339
39.72542	-84.18024	18491
39.72542	-84.18024	18032
39.72542	-84.18024	18135
39.72544	-84.18023	19055
39.72543	-84.18021	17741
39.72544	-84.18020	17380
39.72544	-84.18021	18048
39.72544	-84.18022	18306
39.72544	-84.18023	17700
39.72544	-84.18023	18306
39.72543	-84.18022	19042
39.72543	-84.18022	18006
39.72544	-84.18022	17414
39.72544	-84.18022	18027
39.72544	-84.18022	19673

39.72517	-84.18036	21803
39.72519	-84.18037	20175
39.72520	-84.18037	20687
39.72521	-84.18037	20023
39.72521	-84.18038	20927
39.72521	-84.18038	20927
39.72521	-84.18038	20808
39.72521	-84.18038	20921
39.72521	-84.18039	20847
39.72521	-84.18039	20486
39.72521	-84.18039	21499
39.72521	-84.18039	20436
39.72521	-84.18039	21503
39.72521	-84.18039	21111
39.72521	-84.18039	21277
39.72521	-84.18039	20468
39.72521	-84.18039	21117
39.72521	-84.18039	20986
39.72521	-84.18039	22147
39.72521	-84.18039	21605
39.72521	-84.18039	21116
39.72521	-84.18039	21977
39.72521	-84.18039	21087
39.72521	-84.18039	21449
39.72521	-84.18039	20663
39.72521	-84.18039	22791
39.72521	-84.18039	22349
39.72521	-84.18039	22516
39.72521	-84.18039	21298
39.72521	-84.18039	21016
39.72521	-84.18039	20367
39.72521	-84.18039	20748
39.72521	-84.18039	20358
39.72521	-84.18039	20879
39.72521	-84.18039	21192
39.72520	-84.18039	20831
39.72519	-84.18039	19216
39.72519	-84.18039	19788
39.72518	-84.18039	21487
39.72517	-84.18039	21719

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72544	-84.18022	18519
39.72544	-84.18020	18260
39.72545	-84.18019	17917
39.72545	-84.18017	17699
39.72544	-84.18018	17868
39.72543	-84.18018	19911
39.72544	-84.18019	18628
39.72544	-84.18018	17618
39.72544	-84.18017	19490
39.72544	-84.18015	19770
39.72545	-84.18014	18942
39.72545	-84.18014	19019
39.72546	-84.18013	18848
39.72546	-84.18012	18277
39.72547	-84.18011	18164
39.72547	-84.18010	18888
39.72547	-84.18009	18105
39.72547	-84.18008	18670
39.72547	-84.18007	18627
39.72547	-84.18006	18766
39.72547	-84.18006	18694
39.72547	-84.18005	18277
39.72547	-84.18005	18896
39.72547	-84.18005	18918
39.72547	-84.18005	19639
39.72547	-84.18005	19182
39.72548	-84.18005	19036
39.72548	-84.18005	18601
39.72548	-84.18004	17956
39.72548	-84.18004	17716
39.72548	-84.18004	17342
39.72548	-84.18004	17186
39.72548	-84.18004	17924
39.72549	-84.18004	18150
39.72549	-84.18003	18774
39.72549	-84.18002	17522
39.72550	-84.18002	18649
39.72552	-84.18002	18183
39.72551	-84.18001	17651
39.72549	-84.18000	17158

39.72516	-84.18038	18879
39.72515	-84.18038	16838
39.72514	-84.18038	15990
39.72513	-84.18038	17251
39.72512	-84.18037	18921
39.72512	-84.18038	20370
39.72511	-84.18038	21582
39.72510	-84.18038	20318
39.72509	-84.18038	20116
39.72508	-84.18038	20152
39.72506	-84.18039	21540
39.72505	-84.18039	21864
39.72503	-84.18039	23759
39.72501	-84.18039	21902
39.72500	-84.18039	21931
39.72498	-84.18040	21432
39.72497	-84.18040	20463
39.72497	-84.18040	21169
39.72496	-84.18041	19927
39.72494	-84.18041	20930
39.72493	-84.18041	21068
39.72492	-84.18041	19700
39.72492	-84.18040	20513
39.72490	-84.18041	20888
39.72488	-84.18041	20715
39.72486	-84.18042	22185
39.72484	-84.18042	20964
39.72483	-84.18042	20716
39.72481	-84.18042	20437
39.72480	-84.18042	21400
39.72478	-84.18043	20766
39.72478	-84.18043	21303
39.72478	-84.18043	22167
39.72478	-84.18043	22668
39.72478	-84.18043	22462
39.72478	-84.18044	22665
39.72478	-84.18044	23063
39.72478	-84.18044	22833
39.72478	-84.18043	22278
39.72479	-84.18043	23595

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72548	-84.17998	17167
39.72547	-84.17997	17461
39.72547	-84.17997	16533
39.72547	-84.17997	16591
39.72548	-84.17997	16127
39.72552	-84.17998	18296
39.72550	-84.17997	16818
39.72547	-84.17996	18506
39.72548	-84.17996	17391
39.72548	-84.17996	17053
39.72548	-84.17995	15934
39.72548	-84.17995	16917
39.72549	-84.17995	17617
39.72549	-84.17994	17968
39.72549	-84.17994	18615
39.72548	-84.17994	17293
39.72550	-84.17994	16312
39.72549	-84.17992	15526
39.72547	-84.17991	16564
39.72547	-84.17990	16063
39.72548	-84.17989	17312
39.72549	-84.17989	16116
39.72549	-84.17989	16818
39.72549	-84.17990	16408
39.72550	-84.17990	17195
39.72550	-84.17991	15667
39.72550	-84.17991	15776
39.72550	-84.17992	17121
39.72550	-84.17992	16353
39.72550	-84.17993	16763
39.72550	-84.17993	16751
39.72550	-84.17994	16533
39.72550	-84.17994	16803
39.72551	-84.17995	15955
39.72551	-84.17995	16993
39.72551	-84.17995	16181
39.72551	-84.17994	16944
39.72551	-84.17994	17034
39.72551	-84.17993	16635
39.72551	-84.17992	16084

39.72480	-84.18043	22582
39.72480	-84.18043	22415
39.72480	-84.18043	21810
39.72486	-84.18043	21596
39.72486	-84.18043	23508
39.72487	-84.18043	22565
39.72489	-84.18043	21952
39.72490	-84.18043	20629
39.72491	-84.18043	20299
39.72492	-84.18043	20227
39.72492	-84.18042	20680
39.72494	-84.18042	21154
39.72496	-84.18042	22131
39.72497	-84.18041	23852
39.72498	-84.18040	21994
39.72500	-84.18041	22007
39.72501	-84.18040	22480
39.72503	-84.18040	22161
39.72505	-84.18040	22309
39.72506	-84.18040	22700
39.72508	-84.18039	21259
39.72509	-84.18039	20666
39.72510	-84.18039	19983
39.72512	-84.18039	17838
39.72512	-84.18039	15246
39.72513	-84.18039	14464
39.72514	-84.18039	12820
39.72515	-84.18039	14971
39.72516	-84.18039	17316
39.72517	-84.18039	21065
39.72519	-84.18039	20725
39.72520	-84.18039	21755
39.72520	-84.18039	23168
39.72520	-84.18039	21879
39.72520	-84.18040	21052
39.72521	-84.18040	21713
39.72521	-84.18040	20843
39.72521	-84.18040	20676
39.72520	-84.18041	21942
39.72520	-84.18041	21856

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72551	-84.17991	16485
39.72552	-84.17990	16107
39.72552	-84.17990	16441
39.72552	-84.17991	15854
39.72551	-84.17991	15812
39.72551	-84.17992	16042
39.72551	-84.17992	16561
39.72551	-84.17993	16702
39.72551	-84.17993	17546
39.72551	-84.17993	16771
39.72550	-84.17993	16562
39.72551	-84.17992	16854
39.72550	-84.17991	16743
39.72548	-84.17991	16413
39.72546	-84.17990	15897
39.72546	-84.17990	15619
39.72547	-84.17990	16248
39.72547	-84.17989	16608
39.72550	-84.17988	16765
39.72549	-84.17988	19007
39.72548	-84.17989	20141
39.72549	-84.17990	20281
39.72549	-84.17991	18798
39.72550	-84.17993	17064
39.72550	-84.17994	16623
39.72551	-84.17995	17684
39.72551	-84.17996	18766
39.72550	-84.17998	20537
39.72550	-84.17999	19613
39.72550	-84.18000	18424
39.72549	-84.18002	19152
39.72548	-84.18003	18688
39.72548	-84.18004	19934
39.72547	-84.18005	18859
39.72546	-84.18006	20253
39.72545	-84.18007	20353
39.72545	-84.18009	20328
39.72544	-84.18010	20295
39.72543	-84.18011	20290
39.72542	-84.18012	19868

39.72519	-84.18041	21368
39.72519	-84.18041	20978
39.72519	-84.18041	21949
39.72518	-84.18041	22274
39.72517	-84.18041	20785
39.72517	-84.18041	20799
39.72516	-84.18041	20148
39.72515	-84.18040	18834
39.72513	-84.18040	14378
39.72512	-84.18040	13586
39.72511	-84.18040	15365
39.72510	-84.18040	17789
39.72508	-84.18040	20826
39.72507	-84.18040	21168
39.72505	-84.18040	22713
39.72504	-84.18041	23394
39.72502	-84.18041	22454
39.72501	-84.18041	20094
39.72500	-84.18042	20987
39.72498	-84.18042	21260
39.72498	-84.18042	22426
39.72496	-84.18043	22492
39.72495	-84.18043	21146
39.72494	-84.18043	20821
39.72492	-84.18043	21593
39.72491	-84.18043	21772
39.72489	-84.18044	20015
39.72487	-84.18044	21450
39.72485	-84.18044	22946
39.72484	-84.18045	21841
39.72482	-84.18044	22585
39.72481	-84.18044	23592
39.72479	-84.18044	24062
39.72477	-84.18044	23657
39.72477	-84.18044	22970
39.72477	-84.18045	22565
39.72477	-84.18045	22535
39.72477	-84.18046	23094
39.72476	-84.18046	22681
39.72476	-84.18047	23214

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72542	-84.18013	19152
39.72541	-84.18015	20655
39.72541	-84.18017	19909
39.72542	-84.18019	18663
39.72544	-84.18021	18611
39.72540	-84.18022	19244
39.72539	-84.18021	18604
39.72540	-84.18021	17510
39.72539	-84.18021	17365
39.72538	-84.18020	17119
39.72537	-84.18020	16758
39.72536	-84.18019	16896
39.72534	-84.18020	16902
39.72534	-84.18018	16677
39.72535	-84.18016	16355
39.72535	-84.18014	18702
39.72536	-84.18013	20862
39.72537	-84.18012	22876
39.72539	-84.18007	22693
39.72540	-84.18005	23140
39.72540	-84.18003	23480
39.72541	-84.18002	22155
39.72541	-84.18001	20730
39.72541	-84.18001	21539
39.72541	-84.18002	20869
39.72541	-84.18002	20038
39.72540	-84.18003	21202
39.72543	-84.18003	20970
39.72542	-84.18003	21627
39.72543	-84.18004	21647
39.72543	-84.18004	22471
39.72543	-84.18004	22766
39.72543	-84.18004	22825
39.72542	-84.18004	22542
39.72542	-84.18005	21221
39.72542	-84.18006	23622
39.72541	-84.18008	22600
39.72541	-84.18010	21265
39.72540	-84.18011	21807
39.72536	-84.18014	21531

39.72477	-84.18046	22696
39.72477	-84.18046	22527
39.72478	-84.18045	22826
39.72478	-84.18045	22636
39.72479	-84.18045	24031
39.72480	-84.18045	23653
39.72480	-84.18045	24192
39.72480	-84.18045	22807
39.72486	-84.18045	24052
39.72486	-84.18045	22951
39.72487	-84.18045	23359
39.72487	-84.18045	22283
39.72487	-84.18045	20493
39.72492	-84.18043	20207
39.72492	-84.18043	20931
39.72493	-84.18043	21550
39.72494	-84.18042	20750
39.72496	-84.18042	21038
39.72498	-84.18044	21566
39.72499	-84.18041	21624
39.72500	-84.18042	20306
39.72503	-84.18042	20933
39.72504	-84.18042	22050
39.72505	-84.18041	22546
39.72506	-84.18041	23085
39.72506	-84.18041	22111
39.72507	-84.18041	22872
39.72509	-84.18041	22383
39.72510	-84.18041	20429
39.72511	-84.18041	18965
39.72513	-84.18041	14248
39.72514	-84.18041	13053
39.72516	-84.18041	15281
39.72518	-84.18041	18774
39.72519	-84.18041	20506
39.72519	-84.18042	21000
39.72518	-84.18042	21585
39.72517	-84.18042	21830
39.72516	-84.18042	20361
39.72515	-84.18042	18485

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72536	-84.18016	19020
39.72536	-84.18018	17441
39.72536	-84.18019	17883
39.72535	-84.18021	17879
39.72535	-84.18022	19548
39.72536	-84.18023	19045
39.72533	-84.18024	19601
39.72531	-84.18024	19374
39.72533	-84.18024	20351
39.72533	-84.18025	20124
39.72535	-84.18026	19407
39.72536	-84.18027	19263
39.72536	-84.18028	18353
39.72536	-84.18029	19107
39.72537	-84.18029	20921
39.72537	-84.18030	20457
39.72538	-84.18031	20883
39.72539	-84.18030	20452
39.72539	-84.18031	21570
39.72540	-84.18031	22631
39.72540	-84.18031	22105
39.72540	-84.18032	22745
39.72543	-84.18032	23113
39.72543	-84.18033	24530
39.72543	-84.18033	23904
39.72544	-84.18034	24374
39.72545	-84.18035	24081
39.72545	-84.18035	22570
39.72546	-84.18035	22987
39.72548	-84.18035	23955
39.72549	-84.18036	24068
39.72549	-84.18036	23626
39.72550	-84.18037	23592
39.72551	-84.18037	23389
39.72550	-84.18037	22806
39.72549	-84.18037	23419
39.72549	-84.18037	22179
39.72548	-84.18037	22415
39.72548	-84.18036	22099
39.72548	-84.18036	22977

39.72514	-84.18042	15145
39.72512	-84.18042	13609
39.72512	-84.18042	12860
39.72511	-84.18042	13806
39.72510	-84.18041	17460
39.72509	-84.18041	17880
39.72508	-84.18041	20261
39.72507	-84.18040	20874
39.72506	-84.18040	21801
39.72505	-84.18041	21424
39.72504	-84.18042	22322
39.72504	-84.18042	21156
39.72503	-84.18043	21676
39.72502	-84.18043	22000
39.72501	-84.18044	22864
39.72499	-84.18044	20533
39.72499	-84.18044	20154
39.72497	-84.18045	21689
39.72496	-84.18045	19497
39.72494	-84.18046	21353
39.72493	-84.18046	21381
39.72491	-84.18046	19815
39.72489	-84.18047	20711
39.72488	-84.18047	22486
39.72486	-84.18047	23050
39.72484	-84.18047	23304
39.72482	-84.18047	22729
39.72481	-84.18048	23004
39.72480	-84.18048	20981
39.72478	-84.18048	22815
39.72477	-84.18048	23621
39.72476	-84.18047	24426
39.72476	-84.18048	24010
39.72475	-84.18048	22346
39.72475	-84.18049	22934
39.72475	-84.18049	22405
39.72475	-84.18049	21773
39.72475	-84.18049	23384
39.72475	-84.18049	22978
39.72475	-84.18049	22892

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72549	-84.18035	23974
39.72549	-84.18035	24836
39.72549	-84.18035	24694
39.72548	-84.18034	24385
39.72547	-84.18034	23849
39.72546	-84.18033	23456
39.72545	-84.18033	23527
39.72545	-84.18032	24364
39.72544	-84.18032	22924
39.72543	-84.18031	24194
39.72544	-84.18032	24141
39.72542	-84.18031	23276
39.72544	-84.18031	24206
39.72543	-84.18031	23534
39.72543	-84.18031	22644
39.72543	-84.18030	21770
39.72542	-84.18030	21137
39.72541	-84.18030	21472
39.72540	-84.18029	20063
39.72537	-84.18029	19527
39.72534	-84.18028	19095
39.72536	-84.18028	18453
39.72537	-84.18028	19714
39.72537	-84.18028	19355
39.72534	-84.18027	19205
39.72535	-84.18026	18425
39.72535	-84.18026	18588
39.72534	-84.18026	19632
39.72534	-84.18025	18812
39.72534	-84.18025	19848
39.72534	-84.18026	19197
39.72534	-84.18024	19859
39.72535	-84.18023	22225
39.72535	-84.18022	21818
39.72536	-84.18022	20035
39.72537	-84.18021	20359
39.72537	-84.18021	18754
39.72537	-84.18022	17963
39.72537	-84.18024	19319
39.72536	-84.18025	19034

39.72475	-84.18049	25790
39.72475	-84.18049	23733
39.72475	-84.18049	22748
39.72476	-84.18049	23131
39.72477	-84.18049	23167
39.72479	-84.18049	23130
39.72479	-84.18049	20979
39.72479	-84.18049	21879
39.72483	-84.18048	22652
39.72486	-84.18048	22738
39.72486	-84.18048	21399
39.72486	-84.18048	21177
39.72486	-84.18048	21163
39.72494	-84.18046	18974
39.72494	-84.18046	18848
39.72494	-84.18046	19225
39.72496	-84.18046	19316
39.72497	-84.18046	19407
39.72499	-84.18046	20105
39.72500	-84.18045	20348
39.72501	-84.18043	20362
39.72503	-84.18044	20833
39.72504	-84.18045	21949
39.72505	-84.18046	20229
39.72505	-84.18047	20703
39.72506	-84.18047	20366
39.72506	-84.18047	21183
39.72507	-84.18047	20281
39.72507	-84.18047	20871
39.72508	-84.18047	19349
39.72507	-84.18047	18910
39.72508	-84.18047	19457
39.72508	-84.18047	18416
39.72511	-84.18046	17853
39.72509	-84.18046	16839
39.72509	-84.18046	17101
39.72509	-84.18046	18819
39.72510	-84.18046	17077
39.72510	-84.18046	17261
39.72511	-84.18045	16871

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72536	-84.18025	20360
39.72536	-84.18025	20763
39.72537	-84.18026	20342
39.72538	-84.18026	20418
39.72539	-84.18027	19079
39.72540	-84.18027	18388
39.72540	-84.18028	18889
39.72540	-84.18028	19312
39.72540	-84.18028	18863
39.72541	-84.18028	19728
39.72541	-84.18028	19492
39.72542	-84.18028	19945
39.72542	-84.18028	19697
39.72542	-84.18029	20954
39.72542	-84.18029	21047
39.72542	-84.18030	21282
39.72541	-84.18031	21844
39.72541	-84.18031	21763
39.72541	-84.18031	21930
39.72543	-84.18031	22517
39.72543	-84.18030	23724
39.72544	-84.18031	22908
39.72545	-84.18031	22897
39.72545	-84.18032	24599
39.72545	-84.18032	25167
39.72547	-84.18032	24636
39.72547	-84.18032	24577
39.72548	-84.18032	24498
39.72549	-84.18032	23688
39.72550	-84.18032	24115
39.72549	-84.18032	24320
39.72545	-84.18032	24047
39.72542	-84.18031	24719
39.72542	-84.18031	25085
39.72547	-84.18032	24547
39.72546	-84.18031	23188
39.72543	-84.18030	23001
39.72544	-84.18030	22905
39.72541	-84.18029	23469
39.72543	-84.18030	23673

39.72512	-84.18045	14512
39.72512	-84.18044	13827
39.72514	-84.18043	12650
39.72515	-84.18044	12769
39.72516	-84.18044	13380
39.72517	-84.18044	17717
39.72517	-84.18044	19665
39.72517	-84.18045	19482
39.72517	-84.18044	19997
39.72516	-84.18044	20035
39.72516	-84.18044	20373
39.72516	-84.18045	19743
39.72516	-84.18046	20040
39.72516	-84.18046	18528
39.72516	-84.18046	20143
39.72516	-84.18047	19668
39.72516	-84.18045	19788
39.72515	-84.18046	20755
39.72515	-84.18045	20009
39.72516	-84.18044	19106
39.72516	-84.18044	18684
39.72516	-84.18044	18686
39.72515	-84.18045	18195
39.72515	-84.18044	16565
39.72513	-84.18045	14060
39.72512	-84.18045	13649
39.72511	-84.18045	13416
39.72510	-84.18046	14590
39.72510	-84.18048	16325
39.72509	-84.18048	18018
39.72509	-84.18048	18206
39.72509	-84.18048	19632
39.72509	-84.18048	19253
39.72508	-84.18048	18862
39.72507	-84.18048	19294
39.72506	-84.18048	19589
39.72506	-84.18047	19755
39.72505	-84.18047	20480
39.72504	-84.18047	20113
39.72503	-84.18046	18780

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72543	-84.18030	23739
39.72543	-84.18030	22395
39.72543	-84.18029	21706
39.72540	-84.18028	20988
39.72542	-84.18028	21334
39.72542	-84.18027	19867
39.72539	-84.18027	21278
39.72539	-84.18026	20529
39.72540	-84.18026	19755
39.72540	-84.18026	19301
39.72540	-84.18026	19810
39.72540	-84.18026	19762
39.72538	-84.18026	20183
39.72538	-84.18026	19481
39.72538	-84.18023	20039
39.72538	-84.18023	20575
39.72538	-84.18023	19623
39.72539	-84.18023	18700
39.72539	-84.18023	17760
39.72539	-84.18022	19141
39.72539	-84.18021	19761
39.72539	-84.18023	17649
39.72539	-84.18024	19234
39.72539	-84.18023	19160
39.72538	-84.18024	19267
39.72538	-84.18025	19411
39.72539	-84.18025	19586
39.72539	-84.18025	20051
39.72539	-84.18025	20472
39.72539	-84.18025	19406
39.72541	-84.18026	20427
39.72541	-84.18026	20211
39.72541	-84.18026	20188
39.72541	-84.18025	21078
39.72541	-84.18025	21055
39.72541	-84.18025	20463
39.72542	-84.18025	20584
39.72542	-84.18025	21051
39.72542	-84.18026	21054
39.72542	-84.18026	20662

39.72502	-84.18046	20101
39.72501	-84.18046	19707
39.72500	-84.18046	19625
39.72499	-84.18046	18391
39.72499	-84.18046	19251
39.72498	-84.18046	19010
39.72496	-84.18047	19084
39.72495	-84.18047	19989
39.72494	-84.18047	17805
39.72493	-84.18048	18611
39.72491	-84.18047	19533
39.72490	-84.18048	21035
39.72488	-84.18048	21668
39.72487	-84.18048	21182
39.72485	-84.18049	21139
39.72483	-84.18049	22339
39.72482	-84.18049	21334
39.72480	-84.18049	22929
39.72479	-84.18050	23338
39.72477	-84.18049	22998
39.72476	-84.18049	23970
39.72475	-84.18049	24693
39.72475	-84.18050	23645
39.72475	-84.18050	23701
39.72475	-84.18050	23388
39.72475	-84.18050	24205
39.72475	-84.18050	23869
39.72475	-84.18050	23731
39.72475	-84.18050	25033
39.72476	-84.18050	24694
39.72476	-84.18050	23819
39.72476	-84.18050	23851
39.72487	-84.18049	22915
39.72487	-84.18049	21808
39.72487	-84.18049	20254
39.72487	-84.18049	21001
39.72487	-84.18049	21328
39.72494	-84.18048	18613
39.72494	-84.18048	18237
39.72494	-84.18048	18180

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72543	-84.18026	20925
39.72543	-84.18026	21872
39.72543	-84.18026	23019
39.72543	-84.18026	23034
39.72544	-84.18027	22014
39.72544	-84.18027	22569
39.72544	-84.18026	24048
39.72544	-84.18026	24406
39.72544	-84.18027	23905
39.72545	-84.18028	24896
39.72545	-84.18028	22918
39.72546	-84.18028	23182
39.72546	-84.18028	25659
39.72545	-84.18028	24267
39.72545	-84.18028	25239
39.72545	-84.18028	24415
39.72545	-84.18028	24221
39.72545	-84.18028	24375
39.72545	-84.18028	25225
39.72545	-84.18028	25013
39.72545	-84.18028	25362
39.72545	-84.18028	24368
39.72545	-84.18028	24507
39.72544	-84.18028	23336
39.72544	-84.18028	25365
39.72544	-84.18028	25952
39.72544	-84.18028	26425
39.72544	-84.18028	26270
39.72544	-84.18028	26437
39.72544	-84.18028	27217
39.72544	-84.18028	26251
39.72543	-84.18028	26225
39.72543	-84.18028	24995
39.72540	-84.18027	23586
39.72544	-84.18028	23966
39.72539	-84.18027	23878
39.72541	-84.18026	23137
39.72541	-84.18026	22337
39.72539	-84.18026	22002
39.72540	-84.18026	20819

39.72495	-84.18047	18385
39.72496	-84.18047	17464
39.72496	-84.18046	18989
39.72498	-84.18046	18333
39.72499	-84.18046	20082
39.72500	-84.18046	19940
39.72502	-84.18046	19202
39.72503	-84.18047	20767
39.72504	-84.18047	19991
39.72505	-84.18048	20702
39.72506	-84.18048	20383
39.72507	-84.18048	20201
39.72508	-84.18048	19049
39.72508	-84.18049	18984
39.72507	-84.18048	17886
39.72510	-84.18048	17013
39.72512	-84.18047	14491
39.72513	-84.18047	14059
39.72512	-84.18046	13889
39.72513	-84.18047	13146
39.72513	-84.18047	13431
39.72513	-84.18047	13654
39.72513	-84.18047	13776
39.72512	-84.18048	12198
39.72510	-84.18048	12625
39.72508	-84.18049	14413
39.72505	-84.18046	17133
39.72506	-84.18048	18393
39.72506	-84.18049	19161
39.72506	-84.18050	19107
39.72505	-84.18049	18574
39.72504	-84.18049	19470
39.72502	-84.18049	20125
39.72501	-84.18049	19810
39.72501	-84.18049	21385
39.72499	-84.18048	20057
39.72498	-84.18049	18683
39.72497	-84.18049	18681
39.72496	-84.18049	18401
39.72495	-84.18050	17542

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72540	-84.18026	20730
39.72540	-84.18025	19933
39.72539	-84.18025	19811
39.72538	-84.18025	19072
39.72538	-84.18024	19780
39.72538	-84.18023	19824
39.72539	-84.18024	19043
39.72539	-84.18024	19707
39.72539	-84.18024	20537
39.72540	-84.18025	18719
39.72540	-84.18025	18249
39.72541	-84.18025	18584
39.72541	-84.18026	18760
39.72540	-84.18025	19689
39.72541	-84.18025	19262
39.72542	-84.18025	19452
39.72542	-84.18026	19982
39.72543	-84.18026	21320
39.72543	-84.18026	21459
39.72543	-84.18026	20006
39.72543	-84.18026	21035
39.72543	-84.18026	20689
39.72544	-84.18026	21396
39.72544	-84.18026	19991
39.72544	-84.18026	19450
39.72544	-84.18026	19585
39.72544	-84.18026	22502
39.72545	-84.18026	22113
39.72545	-84.18026	21799
39.72545	-84.18026	23550
39.72546	-84.18027	23704
39.72546	-84.18027	23658
39.72547	-84.18028	24063
39.72548	-84.18028	25401
39.72548	-84.18029	25360
39.72549	-84.18029	26054
39.72549	-84.18030	25671
39.72550	-84.18030	26113
39.72550	-84.18031	26204
39.72549	-84.18030	24893

39.72494	-84.18050	17292
39.72492	-84.18050	18505
39.72491	-84.18050	19279
39.72489	-84.18051	18411
39.72489	-84.18051	18803
39.72486	-84.18051	20878
39.72483	-84.18052	22100
39.72483	-84.18052	22669
39.72481	-84.18052	24527
39.72480	-84.18052	23506
39.72478	-84.18052	23443
39.72477	-84.18052	24510
39.72475	-84.18053	24515
39.72473	-84.18053	23471
39.72473	-84.18053	24845
39.72474	-84.18052	24839
39.72474	-84.18052	24629
39.72474	-84.18053	24530
39.72474	-84.18053	23792
39.72475	-84.18053	24328
39.72475	-84.18053	23733
39.72478	-84.18053	22894
39.72481	-84.18052	23928
39.72481	-84.18052	25482
39.72481	-84.18052	25019
39.72481	-84.18052	22916
39.72491	-84.18050	17764
39.72491	-84.18050	17574
39.72492	-84.18050	17906
39.72493	-84.18050	17804
39.72494	-84.18050	17844
39.72494	-84.18050	17251
39.72494	-84.18050	18958
39.72499	-84.18050	19412
39.72499	-84.18050	19650
39.72499	-84.18050	20110
39.72500	-84.18049	19871
39.72501	-84.18049	18864
39.72502	-84.18049	18714
39.72503	-84.18049	20421

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72546	-84.18029	24820
39.72545	-84.18028	24102
39.72543	-84.18028	23451
39.72545	-84.18028	23398
39.72546	-84.18026	24217
39.72545	-84.18026	22597
39.72544	-84.18026	22144
39.72543	-84.18026	21173
39.72542	-84.18026	19777
39.72542	-84.18025	19567
39.72541	-84.18024	19834
39.72541	-84.18024	18494
39.72540	-84.18023	19447
39.72540	-84.18024	20029
39.72544	-84.18024	19960
39.72539	-84.18024	19431
39.72541	-84.18024	19216
39.72538	-84.18023	19853
39.72538	-84.18022	18396
39.72539	-84.18022	17732
39.72539	-84.18023	19379
39.72538	-84.18023	19870
39.72540	-84.18024	19899
39.72540	-84.18023	20097
39.72538	-84.18024	19669
39.72540	-84.18023	18410
39.72540	-84.18023	19667
39.72540	-84.18026	20217
39.72539	-84.18028	20606
39.72538	-84.18029	21497
39.72540	-84.18028	21238
39.72542	-84.18026	21874
39.72544	-84.18025	23692
39.72544	-84.18026	23627
39.72543	-84.18025	23355
39.72543	-84.18024	22970
39.72543	-84.18024	22197
39.72543	-84.18024	23298
39.72543	-84.18023	23356
39.72543	-84.18023	23032

39.72505	-84.18049	19692
39.72505	-84.18049	20194
39.72506	-84.18050	19232
39.72506	-84.18050	19485
39.72507	-84.18050	19487
39.72507	-84.18051	19730
39.72508	-84.18052	19576
39.72509	-84.18052	16905
39.72509	-84.18051	14202
39.72510	-84.18050	14161
39.72509	-84.18049	14358
39.72509	-84.18049	15018
39.72510	-84.18049	13637
39.72511	-84.18048	14173
39.72512	-84.18048	14195
39.72513	-84.18048	14608
39.72513	-84.18048	13991
39.72514	-84.18049	13286
39.72514	-84.18050	13529
39.72514	-84.18050	14412
39.72514	-84.18050	13710
39.72512	-84.18049	13903
39.72512	-84.18049	13911
39.72512	-84.18049	13843
39.72511	-84.18049	13272
39.72509	-84.18049	13142
39.72511	-84.18051	13764
39.72510	-84.18052	13271
39.72509	-84.18053	13815
39.72509	-84.18053	15562
39.72507	-84.18052	17546
39.72506	-84.18051	17982
39.72506	-84.18051	19480
39.72506	-84.18050	19102
39.72506	-84.18051	18371
39.72505	-84.18053	17328
39.72505	-84.18054	16767
39.72503	-84.18053	15949
39.72505	-84.18053	16357
39.72504	-84.18053	15640

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72544	-84.18023	22403
39.72544	-84.18022	24972
39.72546	-84.18023	23903
39.72545	-84.18022	23538
39.72543	-84.18020	23755
39.72543	-84.18019	23630
39.72544	-84.18020	22473
39.72545	-84.18021	22741
39.72545	-84.18022	21857
39.72544	-84.18022	21609
39.72544	-84.18023	22227
39.72545	-84.18023	22376
39.72545	-84.18022	23348
39.72545	-84.18021	22927
39.72545	-84.18021	22535
39.72545	-84.18021	22377
39.72545	-84.18021	21211
39.72545	-84.18022	21511
39.72546	-84.18024	21256
39.72546	-84.18025	21584
39.72546	-84.18026	24096
39.72546	-84.18027	24130
39.72546	-84.18028	23795
39.72547	-84.18029	23436
39.72547	-84.18029	23958
39.72548	-84.18030	24797
39.72548	-84.18030	24016
39.72549	-84.18031	24766
39.72549	-84.18031	25004
39.72550	-84.18031	24747
39.72550	-84.18032	25200
39.72551	-84.18032	23594
39.72551	-84.18032	23014
39.72552	-84.18033	23455
39.72553	-84.18033	22293
39.72553	-84.18034	22641
39.72554	-84.18034	23501
39.72554	-84.18034	22801
39.72555	-84.18035	23281
39.72555	-84.18035	23271

39.72502	-84.18053	16003
39.72501	-84.18053	15855
39.72502	-84.18051	17578
39.72502	-84.18051	17517
39.72502	-84.18051	18948
39.72502	-84.18052	18397
39.72502	-84.18052	18800
39.72501	-84.18051	18201
39.72502	-84.18051	20246
39.72502	-84.18051	18767
39.72501	-84.18050	19526
39.72500	-84.18050	19928
39.72499	-84.18051	19704
39.72498	-84.18051	19788
39.72498	-84.18050	19742
39.72497	-84.18051	18351
39.72496	-84.18051	19900
39.72495	-84.18051	18581
39.72494	-84.18051	18968
39.72492	-84.18052	18533
39.72491	-84.18052	17718
39.72490	-84.18052	17157
39.72489	-84.18053	18406
39.72488	-84.18053	19011
39.72486	-84.18053	20656
39.72484	-84.18053	21938
39.72483	-84.18054	23733
39.72482	-84.18054	26066
39.72480	-84.18054	24478
39.72479	-84.18054	23406
39.72477	-84.18054	23094
39.72476	-84.18054	23947
39.72474	-84.18054	24460
39.72472	-84.18054	24842
39.72472	-84.18054	23327
39.72473	-84.18055	22721
39.72473	-84.18056	23160
39.72473	-84.18056	22191
39.72473	-84.18055	23089
39.72473	-84.18055	23930

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72556	-84.18035	22709
39.72556	-84.18035	23409
39.72556	-84.18036	22550
39.72557	-84.18037	22348
39.72559	-84.18037	22349
39.72559	-84.18037	23103
39.72558	-84.18037	22773
39.72559	-84.18038	21600
39.72560	-84.18038	23634
39.72559	-84.18038	24210
39.72558	-84.18037	24313
39.72555	-84.18035	22725
39.72556	-84.18034	24152
39.72554	-84.18033	24039
39.72552	-84.18032	23835
39.72550	-84.18031	25295
39.72548	-84.18030	25037
39.72547	-84.18030	24459
39.72545	-84.18029	24101
39.72543	-84.18028	23723
39.72541	-84.18027	24206
39.72542	-84.18025	22842
39.72541	-84.18023	19714
39.72541	-84.18020	18141
39.72542	-84.18019	17741
39.72543	-84.18016	16334
39.72544	-84.18013	17531
39.72545	-84.18011	17101
39.72545	-84.18009	16585
39.72547	-84.18008	17350
39.72549	-84.18007	16672
39.72552	-84.18006	17379
39.72555	-84.18005	15838
39.72554	-84.17999	17050
39.72552	-84.17995	15273
39.72551	-84.17991	15649
39.72552	-84.17990	18255
39.72552	-84.17989	20550
39.72553	-84.17988	20743
39.72553	-84.17987	22363

39.72474	-84.18055	24618
39.72474	-84.18055	24679
39.72474	-84.18055	23800
39.72486	-84.18053	23085
39.72486	-84.18053	22381
39.72486	-84.18053	21598
39.72488	-84.18053	20823
39.72489	-84.18053	19147
39.72491	-84.18053	17793
39.72492	-84.18053	17530
39.72493	-84.18053	17618
39.72494	-84.18053	18593
39.72495	-84.18052	17906
39.72496	-84.18053	18262
39.72498	-84.18053	18270
39.72499	-84.18051	17510
39.72500	-84.18051	17997
39.72501	-84.18051	18915
39.72501	-84.18053	17791
39.72502	-84.18052	16975
39.72503	-84.18053	16696
39.72504	-84.18053	17408
39.72506	-84.18053	16372
39.72506	-84.18052	17289
39.72507	-84.18052	16432
39.72507	-84.18052	16864
39.72508	-84.18052	17646
39.72509	-84.18052	18135
39.72511	-84.18051	14833
39.72512	-84.18051	12963
39.72512	-84.18051	13103
39.72512	-84.18051	14513
39.72511	-84.18051	14004
39.72511	-84.18051	13338
39.72510	-84.18051	13091
39.72509	-84.18053	13130
39.72507	-84.18053	17006
39.72506	-84.18053	16705
39.72504	-84.18053	16563
39.72502	-84.18053	17604

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72554	-84.17986	21178
39.72554	-84.17986	20402
39.72554	-84.17986	20361
39.72554	-84.17987	20588
39.72554	-84.17987	19816
39.72554	-84.17988	20704
39.72553	-84.17988	20648
39.72553	-84.17988	19522
39.72553	-84.17987	18893
39.72553	-84.17987	19547
39.72553	-84.17987	20161
39.72553	-84.17986	20223
39.72553	-84.17986	20498
39.72553	-84.17986	21487
39.72554	-84.17985	21263
39.72554	-84.17984	21898
39.72554	-84.17984	21228
39.72554	-84.17986	21562
39.72553	-84.17987	21011
39.72553	-84.17988	20292
39.72552	-84.17987	20452
39.72551	-84.17987	18846
39.72550	-84.17987	17191
39.72552	-84.17987	19401
39.72552	-84.17986	20344
39.72551	-84.17986	20448
39.72551	-84.17985	20473
39.72551	-84.17985	21042
39.72552	-84.17985	21945
39.72552	-84.17985	21972
39.72552	-84.17985	21093
39.72551	-84.17985	21020
39.72552	-84.17987	21010
39.72552	-84.17987	20204
39.72551	-84.17988	20508
39.72551	-84.17988	20179
39.72551	-84.17988	18635
39.72551	-84.17989	17934
39.72550	-84.17989	17838
39.72550	-84.17989	19426

39.72501	-84.18053	18705
39.72500	-84.18053	16502
39.72499	-84.18052	15888
39.72498	-84.18052	16433
39.72498	-84.18053	18048
39.72497	-84.18054	17286
39.72497	-84.18054	18589
39.72496	-84.18053	18933
39.72496	-84.18053	19218
39.72495	-84.18052	18848
39.72493	-84.18052	18351
39.72492	-84.18052	18379
39.72491	-84.18054	19319
39.72490	-84.18053	17986
39.72488	-84.18054	18266
39.72487	-84.18054	18605
39.72485	-84.18054	19023
39.72484	-84.18054	20906
39.72482	-84.18054	23280
39.72481	-84.18055	24394
39.72479	-84.18055	24671
39.72478	-84.18055	24675
39.72477	-84.18055	23378
39.72475	-84.18055	23947
39.72474	-84.18056	25451
39.72472	-84.18056	23598
39.72472	-84.18057	23805
39.72472	-84.18057	24216
39.72472	-84.18057	24819
39.72471	-84.18057	24972
39.72471	-84.18057	23468
39.72471	-84.18057	23448
39.72471	-84.18057	23964
39.72471	-84.18057	23674
39.72471	-84.18057	22876
39.72473	-84.18058	23032
39.72473	-84.18057	21380
39.72473	-84.18057	21559
39.72473	-84.18057	22285
39.72476	-84.18057	21677

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72551	-84.17988	19772
39.72551	-84.17987	19803
39.72551	-84.17987	20770
39.72551	-84.17986	20981
39.72551	-84.17986	21782
39.72551	-84.17985	21504
39.72551	-84.17985	20737
39.72551	-84.17986	21078
39.72551	-84.17986	22117
39.72550	-84.17986	21471
39.72550	-84.17986	21080
39.72550	-84.17987	21054
39.72550	-84.17987	21496
39.72549	-84.17988	19908
39.72549	-84.17988	19353
39.72549	-84.17989	18374
39.72549	-84.17989	16755
39.72549	-84.17990	17100
39.72549	-84.17990	17575
39.72549	-84.17989	18731
39.72549	-84.17988	19559
39.72549	-84.17988	19068
39.72550	-84.17987	19846
39.72550	-84.17986	19183
39.72550	-84.17985	20962
39.72550	-84.17985	20334
39.72550	-84.17985	21477
39.72550	-84.17985	20430
39.72550	-84.17986	19768
39.72549	-84.17986	20350
39.72549	-84.17986	20452
39.72549	-84.17986	20677
39.72548	-84.17986	20703
39.72548	-84.17986	20639
39.72548	-84.17986	18848
39.72547	-84.17986	17355
39.72547	-84.17986	16363
39.72546	-84.17986	17833
39.72546	-84.17986	19039
39.72546	-84.17986	20402

39.72476	-84.18057	23146
39.72476	-84.18057	23029
39.72476	-84.18057	22696
39.72476	-84.18057	23030
39.72490	-84.18053	22303
39.72490	-84.18053	19792
39.72490	-84.18053	18318
39.72490	-84.18053	18323
39.72492	-84.18054	17059
39.72493	-84.18054	17575
39.72494	-84.18054	18286
39.72495	-84.18053	19563
39.72496	-84.18053	19879
39.72497	-84.18054	18441
39.72498	-84.18054	15844
39.72499	-84.18055	15417
39.72499	-84.18054	15403
39.72500	-84.18054	15119
39.72502	-84.18054	15364
39.72504	-84.18055	16145
39.72505	-84.18055	17536
39.72507	-84.18054	16933
39.72509	-84.18054	18032
39.72511	-84.18053	15084
39.72512	-84.18053	13655
39.72514	-84.18052	12497
39.72514	-84.18052	13402
39.72515	-84.18053	15013
39.72515	-84.18053	14319
39.72515	-84.18053	14183
39.72515	-84.18053	13204
39.72515	-84.18053	14406
39.72515	-84.18053	13907
39.72513	-84.18054	13303
39.72513	-84.18054	12678
39.72513	-84.18054	12571
39.72511	-84.18055	12529
39.72510	-84.18055	13846
39.72508	-84.18055	14072
39.72507	-84.18056	14545

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72545	-84.17986	20726
39.72545	-84.17986	21394
39.72545	-84.17986	19747
39.72544	-84.17986	20927
39.72544	-84.17987	19279
39.72544	-84.17987	19265
39.72543	-84.17987	19640
39.72543	-84.17987	19838
39.72543	-84.17987	20604
39.72542	-84.17987	20894
39.72542	-84.17987	20111
39.72542	-84.17987	19064
39.72541	-84.17987	19514
39.72541	-84.17987	19108
39.72541	-84.17987	19649
39.72540	-84.17987	18692
39.72538	-84.17986	18979
39.72537	-84.17985	20130
39.72536	-84.17985	20139
39.72536	-84.17984	19187
39.72536	-84.17984	20321
39.72536	-84.17984	20394
39.72536	-84.17984	20402
39.72536	-84.17984	20294
39.72537	-84.17983	20432
39.72537	-84.17983	21566
39.72537	-84.17983	22203
39.72537	-84.17983	21365
39.72537	-84.17983	21069
39.72537	-84.17982	20358
39.72537	-84.17982	20496
39.72538	-84.17982	21000
39.72537	-84.17982	21852
39.72536	-84.17982	20738
39.72536	-84.17982	21300
39.72536	-84.17982	21588
39.72537	-84.17982	21071
39.72537	-84.17982	21485
39.72537	-84.17982	22403
39.72536	-84.17981	21735

39.72504	-84.18056	14714
39.72503	-84.18056	13952
39.72502	-84.18056	16451
39.72500	-84.18056	14349
39.72499	-84.18056	14071
39.72498	-84.18056	14390
39.72498	-84.18055	15652
39.72497	-84.18056	18793
39.72496	-84.18055	17962
39.72495	-84.18055	17446
39.72493	-84.18055	17631
39.72492	-84.18055	18153
39.72491	-84.18056	19185
39.72489	-84.18056	18611
39.72488	-84.18056	19498
39.72486	-84.18056	20523
39.72484	-84.18056	20720
39.72483	-84.18057	21949
39.72481	-84.18057	23606
39.72480	-84.18057	22761
39.72479	-84.18058	23933
39.72477	-84.18058	22428
39.72476	-84.18058	23756
39.72474	-84.18059	23151
39.72472	-84.18059	21665
39.72470	-84.18059	22897
39.72469	-84.18059	23684
39.72469	-84.18059	24080
39.72469	-84.18059	23222
39.72469	-84.18058	24081
39.72468	-84.18059	23730
39.72468	-84.18059	23115
39.72468	-84.18059	24082
39.72468	-84.18059	25497
39.72467	-84.18060	23175
39.72466	-84.18060	24495
39.72466	-84.18061	24874
39.72466	-84.18062	24527
39.72466	-84.18062	24341
39.72466	-84.18062	23553

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72535	-84.17981	21928
39.72535	-84.17981	20782
39.72535	-84.17981	22429
39.72534	-84.17981	22274
39.72534	-84.17980	21509
39.72534	-84.17980	20415
39.72533	-84.17980	20117
39.72533	-84.17979	19925
39.72531	-84.17978	20601
39.72531	-84.17978	20801
39.72532	-84.17977	21128
39.72532	-84.17978	20189
39.72532	-84.17978	20879
39.72532	-84.17980	20681
39.72534	-84.17980	21410
39.72535	-84.17980	21125
39.72535	-84.17980	22223
39.72536	-84.17981	22927
39.72536	-84.17981	23608
39.72538	-84.17982	23019
39.72538	-84.17982	22889
39.72538	-84.17983	21713
39.72540	-84.17984	21568
39.72540	-84.17984	22306
39.72541	-84.17984	21957
39.72542	-84.17984	21474
39.72542	-84.17985	21579
39.72543	-84.17985	20620
39.72544	-84.17986	20706
39.72545	-84.17986	19637
39.72546	-84.17986	19717
39.72547	-84.17986	19585
39.72549	-84.17986	20213
39.72549	-84.17986	20935
39.72549	-84.17986	20728
39.72549	-84.17986	21236
39.72549	-84.17985	20562
39.72549	-84.17985	21606
39.72549	-84.17984	21104
39.72549	-84.17984	20592

39.72467	-84.18061	24057
39.72467	-84.18061	22395
39.72467	-84.18061	23587
39.72468	-84.18061	24043
39.72468	-84.18061	23834
39.72468	-84.18062	24615
39.72468	-84.18062	24007
39.72469	-84.18061	25276
39.72470	-84.18061	25175
39.72471	-84.18060	23869
39.72473	-84.18060	22960
39.72474	-84.18059	22552
39.72474	-84.18059	22874
39.72474	-84.18059	23903
39.72484	-84.18058	23101
39.72484	-84.18058	22126
39.72484	-84.18058	20320
39.72486	-84.18058	19367
39.72487	-84.18058	19459
39.72488	-84.18057	17497
39.72489	-84.18058	17859
39.72489	-84.18058	18465
39.72494	-84.18057	19349
39.72494	-84.18057	18475
39.72495	-84.18057	18185
39.72496	-84.18057	17163
39.72497	-84.18057	18095
39.72498	-84.18057	16699
39.72499	-84.18057	15371
39.72502	-84.18057	14185
39.72506	-84.18056	14164
39.72506	-84.18056	14881
39.72508	-84.18056	15569
39.72510	-84.18055	14498
39.72512	-84.18055	14610
39.72513	-84.18054	13850
39.72513	-84.18054	13805
39.72513	-84.18054	13534
39.72513	-84.18055	13461
39.72513	-84.18055	12889

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72549	-84.17984	19908
39.72548	-84.17983	19901
39.72548	-84.17983	20972
39.72548	-84.17982	19758
39.72548	-84.17982	20516
39.72548	-84.17983	20063
39.72547	-84.17985	19597
39.72546	-84.17985	20911
39.72545	-84.17985	20573
39.72544	-84.17985	20726
39.72544	-84.17985	21108
39.72544	-84.17984	20759
39.72543	-84.17983	20342
39.72543	-84.17984	21106
39.72539	-84.17984	20264
39.72537	-84.17984	20066
39.72540	-84.17983	20150
39.72540	-84.17982	20684
39.72540	-84.17981	19464
39.72541	-84.17980	21536
39.72541	-84.17980	21455
39.72541	-84.17980	20400
39.72542	-84.17980	20038
39.72542	-84.17980	20117
39.72542	-84.17980	21013
39.72543	-84.17979	21414
39.72543	-84.17979	20306
39.72544	-84.17978	21572
39.72544	-84.17977	20962
39.72542	-84.17979	21491
39.72539	-84.17976	21577
39.72538	-84.17974	21093
39.72537	-84.17975	22423
39.72536	-84.17975	21917
39.72535	-84.17976	23027
39.72536	-84.17975	22595
39.72535	-84.17978	22576
39.72537	-84.17977	22497
39.72539	-84.17976	22774
39.72539	-84.17977	22143

39.72512	-84.18055	12792
39.72510	-84.18056	13021
39.72509	-84.18056	13164
39.72507	-84.18058	13912
39.72504	-84.18058	14755
39.72503	-84.18059	13941
39.72501	-84.18059	13548
39.72500	-84.18060	13598
39.72498	-84.18060	14640
39.72497	-84.18061	17497
39.72496	-84.18061	18601
39.72496	-84.18061	16468
39.72496	-84.18061	18312
39.72495	-84.18060	19297
39.72494	-84.18058	18818
39.72494	-84.18058	18558
39.72494	-84.18058	19142
39.72493	-84.18058	18666
39.72492	-84.18058	19535
39.72492	-84.18058	18549
39.72490	-84.18058	17354
39.72489	-84.18058	17966
39.72488	-84.18059	19696
39.72486	-84.18059	20500
39.72485	-84.18060	21265
39.72483	-84.18060	21245
39.72481	-84.18060	21397
39.72480	-84.18060	24350
39.72479	-84.18060	23625
39.72477	-84.18060	24161
39.72475	-84.18061	25404
39.72474	-84.18061	24667
39.72472	-84.18062	23242
39.72471	-84.18061	24711
39.72470	-84.18061	23847
39.72470	-84.18062	23085
39.72470	-84.18062	23826
39.72470	-84.18062	22962
39.72470	-84.18062	23684
39.72490	-84.18060	19275

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72539	-84.17978	22455
39.72539	-84.17979	21608
39.72539	-84.17980	21660
39.72540	-84.17982	21199
39.72539	-84.17982	21635
39.72538	-84.17981	22159
39.72537	-84.17981	22110
39.72535	-84.17980	23408
39.72534	-84.17980	24511
39.72535	-84.17979	23608
39.72534	-84.17978	22548
39.72535	-84.17979	22751
39.72535	-84.17977	22937
39.72534	-84.17976	22029
39.72535	-84.17976	21381
39.72537	-84.17977	21375
39.72538	-84.17978	21494
39.72539	-84.17979	21419
39.72540	-84.17980	21310
39.72541	-84.17980	21076
39.72542	-84.17981	22256
39.72541	-84.17980	22509
39.72540	-84.17980	22361
39.72539	-84.17979	21966
39.72538	-84.17979	21296
39.72536	-84.17979	21380
39.72535	-84.17978	21528
39.72534	-84.17978	22461
39.72534	-84.17978	21693
39.72533	-84.17978	22399
39.72533	-84.17978	21967
39.72533	-84.17978	22173
39.72533	-84.17978	22777
39.72533	-84.17978	21938
39.72537	-84.17971	17210
39.72537	-84.17971	16880
39.72537	-84.17971	16599
39.72537	-84.17971	16623
39.72537	-84.17970	18378
39.72538	-84.17971	20065

39.72490	-84.18060	19241
39.72490	-84.18060	20196
39.72490	-84.18060	18199
39.72490	-84.18060	18550
39.72505	-84.18056	14424
39.72505	-84.18056	14763
39.72506	-84.18056	15022
39.72508	-84.18056	14550
39.72510	-84.18057	14376
39.72512	-84.18056	14139
39.72513	-84.18056	13155
39.72513	-84.18056	13063
39.72511	-84.18058	12285
39.72511	-84.18058	12773
39.72511	-84.18058	13105
39.72509	-84.18058	13506
39.72507	-84.18058	12882
39.72505	-84.18058	14811
39.72503	-84.18057	13441
39.72502	-84.18058	14351
39.72502	-84.18058	14839
39.72499	-84.18058	14608
39.72497	-84.18059	15232
39.72497	-84.18059	17007
39.72496	-84.18060	18277
39.72496	-84.18059	19550
39.72495	-84.18059	18186
39.72495	-84.18059	18731
39.72494	-84.18059	19976
39.72493	-84.18059	21107
39.72493	-84.18059	20522
39.72493	-84.18059	20096
39.72491	-84.18059	19796
39.72490	-84.18060	19740
39.72489	-84.18060	20014
39.72487	-84.18060	19947
39.72487	-84.18063	19039
39.72485	-84.18063	20088
39.72484	-84.18064	20922
39.72483	-84.18064	21658

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72538	-84.17972	23160
39.72537	-84.17973	24058
39.72536	-84.17973	22519
39.72536	-84.17973	23259
39.72538	-84.17975	23107
39.72539	-84.17975	23748
39.72540	-84.17976	23870
39.72541	-84.17976	23195
39.72541	-84.17975	21389
39.72541	-84.17975	19750
39.72541	-84.17975	21146
39.72540	-84.17975	22801
39.72540	-84.17975	23048
39.72540	-84.17975	23373
39.72539	-84.17975	23679
39.72539	-84.17975	23413
39.72539	-84.17975	22049
39.72539	-84.17975	23588
39.72538	-84.17975	22247
39.72538	-84.17975	24236
39.72538	-84.17975	22069
39.72538	-84.17975	21981
39.72537	-84.17975	22014
39.72537	-84.17975	22413
39.72537	-84.17975	21894
39.72536	-84.17974	22768
39.72537	-84.17974	22069
39.72539	-84.17975	24216
39.72539	-84.17975	24184
39.72539	-84.17975	23128
39.72540	-84.17975	22925
39.72540	-84.17975	21831
39.72541	-84.17977	21959
39.72541	-84.17976	21294
39.72542	-84.17976	22156
39.72543	-84.17975	19103
39.72542	-84.17975	18960
39.72542	-84.17975	19949
39.72542	-84.17975	20188
39.72541	-84.17976	20904

39.72482	-84.18062	21570
39.72481	-84.18063	22072
39.72479	-84.18063	23541
39.72477	-84.18064	23821
39.72477	-84.18064	22526
39.72477	-84.18064	23272
39.72479	-84.18063	22092
39.72479	-84.18063	21919
39.72479	-84.18063	23203
39.72480	-84.18063	23656
39.72481	-84.18063	23971
39.72481	-84.18063	21906
39.72495	-84.18059	19725
39.72495	-84.18059	20501
39.72495	-84.18059	20281
39.72495	-84.18059	16881
39.72498	-84.18057	14505
39.72501	-84.18056	14775
39.72502	-84.18056	14272
39.72505	-84.18058	14307
39.72508	-84.18058	13901
39.72510	-84.18058	13582
39.72512	-84.18058	13679
39.72512	-84.18058	13941
39.72512	-84.18058	12313
39.72512	-84.18059	11662
39.72512	-84.18059	12093
39.72512	-84.18059	12763
39.72510	-84.18059	14998
39.72508	-84.18059	15362
39.72506	-84.18059	14554
39.72504	-84.18060	15741
39.72502	-84.18060	14445
39.72500	-84.18061	14454
39.72498	-84.18061	14721
39.72496	-84.18061	15892
39.72495	-84.18061	17831
39.72493	-84.18062	20480
39.72492	-84.18062	19688
39.72491	-84.18063	20387

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72541	-84.17976	20318
39.72539	-84.17976	21027
39.72538	-84.17976	22198
39.72537	-84.17976	22387
39.72537	-84.17976	23418
39.72536	-84.17975	24345
39.72536	-84.17975	22616
39.72535	-84.17974	22891
39.72534	-84.17971	22925
39.72536	-84.17973	22854
39.72538	-84.17974	24279
39.72539	-84.17975	22590
39.72540	-84.17974	21932
39.72541	-84.17975	21707
39.72542	-84.17976	20305
39.72543	-84.17977	20414
39.72544	-84.17977	19369
39.72545	-84.17978	20415
39.72546	-84.17978	20372
39.72547	-84.17979	20351
39.72548	-84.17980	21055
39.72548	-84.17980	20463
39.72549	-84.17981	21627
39.72549	-84.17981	21446
39.72550	-84.17982	22323
39.72551	-84.17982	21628
39.72551	-84.17983	21722
39.72551	-84.17982	22787
39.72551	-84.17982	21243
39.72551	-84.17982	20099
39.72551	-84.17982	21686
39.72551	-84.17982	21150
39.72551	-84.17982	19673
39.72551	-84.17982	19833
39.72551	-84.17978	20326
39.72550	-84.17978	20150
39.72550	-84.17979	19424
39.72549	-84.17979	19697
39.72548	-84.17978	20394
39.72547	-84.17978	21263

39.72490	-84.18063	20210
39.72488	-84.18063	20431
39.72487	-84.18064	18793
39.72486	-84.18064	18087
39.72484	-84.18064	19413
39.72483	-84.18065	20569
39.72482	-84.18065	21550
39.72481	-84.18065	23713
39.72481	-84.18065	22835
39.72477	-84.18065	22006
39.72473	-84.18065	22735
39.72473	-84.18065	23248
39.72473	-84.18065	23740
39.72473	-84.18065	23808
39.72485	-84.18065	22302
39.72485	-84.18065	20473
39.72485	-84.18065	20482
39.72486	-84.18064	20428
39.72487	-84.18064	20042
39.72487	-84.18064	20100
39.72487	-84.18064	20588
39.72506	-84.18058	15120
39.72506	-84.18058	14155
39.72506	-84.18058	14485
39.72507	-84.18059	14681
39.72508	-84.18059	16199
39.72509	-84.18059	15185
39.72509	-84.18059	13659
39.72509	-84.18059	13087
39.72512	-84.18061	13471
39.72512	-84.18061	13501
39.72512	-84.18061	12658
39.72513	-84.18061	12710
39.72513	-84.18061	12486
39.72512	-84.18061	14232
39.72511	-84.18061	13277
39.72510	-84.18061	15747
39.72509	-84.18060	17107
39.72509	-84.18060	18607
39.72498	-84.18062	16272

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72547	-84.17978	19768
39.72546	-84.17978	19501
39.72546	-84.17978	18827
39.72545	-84.17978	19388
39.72544	-84.17977	19771
39.72543	-84.17977	18968
39.72543	-84.17976	19908
39.72542	-84.17976	20555
39.72541	-84.17975	19501
39.72540	-84.17975	20519
39.72539	-84.17974	21236
39.72538	-84.17974	22101
39.72538	-84.17973	23326
39.72537	-84.17973	21810
39.72537	-84.17973	21032
39.72537	-84.17973	19282
39.72537	-84.17971	18384
39.72538	-84.17972	17431
39.72538	-84.17973	20032
39.72539	-84.17974	22545
39.72540	-84.17973	22940
39.72541	-84.17974	21944
39.72542	-84.17975	22089
39.72543	-84.17975	22386
39.72543	-84.17975	20786
39.72544	-84.17976	19650
39.72545	-84.17977	19275
39.72546	-84.17977	19176
39.72548	-84.17977	19104
39.72549	-84.17978	18634
39.72550	-84.17978	19633
39.72551	-84.17979	20424
39.72552	-84.17979	20313
39.72553	-84.17980	20144
39.72553	-84.17980	19752
39.72552	-84.17979	19396
39.72551	-84.17979	19731
39.72550	-84.17979	19428
39.72550	-84.17979	19243
39.72550	-84.17979	19107

39.72498	-84.18062	15008
39.72498	-84.18062	15297
39.72497	-84.18062	15977
39.72496	-84.18061	15853
39.72495	-84.18062	19513
39.72494	-84.18063	21085
39.72494	-84.18063	20719
39.72494	-84.18063	21331
39.72486	-84.18065	19351
39.72486	-84.18065	18565
39.72486	-84.18065	19005
39.72485	-84.18065	20112
39.72484	-84.18066	19739
39.72483	-84.18066	19997
39.72481	-84.18066	20364
39.72480	-84.18066	21840
39.72479	-84.18067	24535
39.72477	-84.18067	25378
39.72475	-84.18066	23885
39.72474	-84.18067	23708
39.72473	-84.18067	22673
39.72471	-84.18068	23583
39.72469	-84.18068	24367
39.72468	-84.18069	24141
39.72466	-84.18069	23760
39.72466	-84.18069	22831
39.72466	-84.18069	23160
39.72474	-84.18069	23596
39.72474	-84.18069	23940
39.72474	-84.18069	24609
39.72475	-84.18069	23242
39.72475	-84.18069	22753
39.72491	-84.18067	19244
39.72491	-84.18067	18642
39.72491	-84.18067	21446
39.72491	-84.18068	21339
39.72491	-84.18068	20835
39.72491	-84.18068	21103
39.72485	-84.18066	19920
39.72485	-84.18066	20105

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72550	-84.17979	19766
39.72550	-84.17978	19648
39.72549	-84.17978	19173
39.72548	-84.17977	20175
39.72548	-84.17977	20816
39.72548	-84.17977	20165
39.72548	-84.17976	20658
39.72547	-84.17975	20791
39.72547	-84.17975	21920
39.72547	-84.17974	20870
39.72547	-84.17974	20857
39.72546	-84.17974	20761
39.72546	-84.17974	20053
39.72545	-84.17974	21052
39.72544	-84.17974	20936
39.72543	-84.17974	18860
39.72542	-84.17974	20514
39.72542	-84.17974	20613
39.72542	-84.17973	22142
39.72540	-84.17973	21617
39.72539	-84.17972	22067
39.72538	-84.17972	21607
39.72538	-84.17970	21078
39.72538	-84.17970	19231
39.72539	-84.17971	20518
39.72539	-84.17971	21654
39.72540	-84.17972	21349
39.72540	-84.17972	22491
39.72541	-84.17972	22267
39.72541	-84.17972	23127
39.72542	-84.17973	22114
39.72543	-84.17973	21965
39.72544	-84.17973	19889
39.72545	-84.17972	18869
39.72547	-84.17972	19065
39.72548	-84.17973	21004
39.72548	-84.17974	21246
39.72549	-84.17975	21141
39.72550	-84.17976	20201
39.72551	-84.17976	19725

39.72485	-84.18066	18712
39.72485	-84.18067	18410
39.72484	-84.18067	18995
39.72483	-84.18068	20147
39.72483	-84.18068	18516
39.72482	-84.18069	19239
39.72481	-84.18069	18488
39.72480	-84.18069	18655
39.72479	-84.18069	20575
39.72479	-84.18069	21920
39.72477	-84.18070	21824
39.72475	-84.18070	23097
39.72475	-84.18070	24249
39.72475	-84.18070	23792
39.72475	-84.18070	24079
39.72474	-84.18070	23715
39.72474	-84.18070	23172
39.72473	-84.18070	23877
39.72472	-84.18070	24069
39.72471	-84.18070	24816
39.72470	-84.18070	25443
39.72468	-84.18070	24258
39.72466	-84.18070	23220
39.72466	-84.18070	22830
39.72466	-84.18070	23119
39.72475	-84.18069	23414
39.72475	-84.18069	23976
39.72475	-84.18069	23973
39.72475	-84.18069	23231
39.72476	-84.18070	22942
39.72477	-84.18070	22700
39.72478	-84.18070	22511
39.72478	-84.18070	21751
39.72478	-84.18070	22022
39.72478	-84.18070	21195
39.72478	-84.18070	20864
39.72488	-84.18070	21422
39.72488	-84.18070	20772
39.72488	-84.18070	20375
39.72488	-84.18070	18952

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72551	-84.17977	20040
39.72553	-84.17977	20990
39.72554	-84.17978	20354
39.72554	-84.17976	20874
39.72554	-84.17977	20111
39.72553	-84.17976	20588
39.72553	-84.17976	20912
39.72553	-84.17977	20422
39.72552	-84.17977	20851
39.72551	-84.17977	20464
39.72550	-84.17977	20992
39.72550	-84.17977	20469
39.72550	-84.17976	20347
39.72549	-84.17976	20126
39.72549	-84.17976	20678
39.72548	-84.17976	20315
39.72548	-84.17975	21131
39.72548	-84.17975	21205
39.72547	-84.17974	20578
39.72547	-84.17974	18785
39.72546	-84.17973	19323
39.72545	-84.17973	19284
39.72544	-84.17973	19170
39.72544	-84.17973	19750
39.72544	-84.17972	19616
39.72542	-84.17973	19734
39.72541	-84.17971	20959
39.72541	-84.17972	20925
39.72540	-84.17968	19396
39.72540	-84.17968	19128
39.72540	-84.17968	18750
39.72540	-84.17968	17310
39.72540	-84.17968	18918
39.72540	-84.17969	19451
39.72541	-84.17969	20856
39.72543	-84.17970	20604
39.72544	-84.17970	20645
39.72545	-84.17970	22092
39.72546	-84.17970	20924
39.72547	-84.17971	20410

39.72486	-84.18071	18779
39.72483	-84.18072	19291
39.72483	-84.18072	19019
39.72483	-84.18072	18926
39.72482	-84.18072	19347
39.72481	-84.18072	19759
39.72481	-84.18072	21105
39.72479	-84.18072	20556
39.72476	-84.18071	22486
39.72476	-84.18071	22215
39.72475	-84.18071	22567
39.72475	-84.18071	23180
39.72474	-84.18072	23427
39.72474	-84.18072	24198
39.72474	-84.18072	24839
39.72483	-84.18080	19170
39.72483	-84.18080	20270
39.72483	-84.18080	20501
39.72483	-84.18080	18573
39.72483	-84.18080	18821
39.72516	-84.18033	18645
39.72516	-84.18033	18455
39.72515	-84.18034	18549
39.72514	-84.18034	18574
39.72513	-84.18033	19330
39.72511	-84.18032	20362
39.72511	-84.18033	20861
39.72511	-84.18033	23135
39.72511	-84.18033	22159
39.72511	-84.18033	21599
39.72511	-84.18033	20039
39.72510	-84.18033	21441
39.72510	-84.18033	21270
39.72510	-84.18033	22455
39.72509	-84.18033	20513
39.72509	-84.18033	20010
39.72509	-84.18034	22428
39.72509	-84.18034	21837
39.72509	-84.18034	22623
39.72507	-84.18034	23608

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72547	-84.17972	19051
39.72549	-84.17972	19368
39.72551	-84.17973	20084
39.72551	-84.17973	20072
39.72553	-84.17973	21053
39.72553	-84.17973	20204
39.72553	-84.17973	20909
39.72553	-84.17973	20174
39.72553	-84.17973	20439
39.72553	-84.17973	20513
39.72553	-84.17973	20614
39.72552	-84.17973	20821
39.72550	-84.17973	20612
39.72551	-84.17973	20128
39.72552	-84.17974	20254
39.72553	-84.17974	20860
39.72555	-84.17975	21615
39.72554	-84.17974	20800
39.72556	-84.17975	19916
39.72557	-84.17976	19146
39.72556	-84.17976	20116
39.72555	-84.17975	20793
39.72554	-84.17974	21526
39.72553	-84.17974	20506
39.72555	-84.17975	20235
39.72554	-84.17974	21183
39.72553	-84.17973	20412
39.72552	-84.17973	20069
39.72552	-84.17973	21817
39.72550	-84.17973	20686
39.72549	-84.17973	20701
39.72550	-84.17973	20553
39.72550	-84.17974	20614
39.72550	-84.17974	20347
39.72549	-84.17973	19972
39.72549	-84.17973	19643
39.72547	-84.17972	18428
39.72547	-84.17971	18759
39.72546	-84.17970	18795
39.72544	-84.17969	19437

39.72507	-84.18034	21511
39.72507	-84.18034	21356
39.72507	-84.18034	21370
39.72507	-84.18034	21197
39.72507	-84.18034	22294
39.72506	-84.18034	23861
39.72506	-84.18034	23367
39.72506	-84.18034	22942
39.72506	-84.18034	21529
39.72506	-84.18034	21677
39.72505	-84.18033	22393
39.72505	-84.18033	23455
39.72505	-84.18033	23452
39.72505	-84.18033	22125
39.72505	-84.18034	22873
39.72505	-84.18034	22202
39.72505	-84.18034	22402
39.72505	-84.18034	23044
39.72504	-84.18034	22463
39.72504	-84.18034	22526
39.72504	-84.18034	22893
39.72503	-84.18034	22593
39.72503	-84.18034	21633
39.72503	-84.18034	22887
39.72502	-84.18034	23614
39.72502	-84.18034	22337
39.72502	-84.18034	22254
39.72502	-84.18034	22309
39.72501	-84.18034	21872
39.72501	-84.18034	21731
39.72501	-84.18034	20367
39.72501	-84.18034	21414
39.72501	-84.18034	20975
39.72501	-84.18034	20773
39.72501	-84.18034	22008
39.72500	-84.18034	22376
39.72500	-84.18034	23525
39.72500	-84.18035	22316
39.72499	-84.18035	22002
39.72499	-84.18035	21007

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72544	-84.17969	19295
39.72542	-84.17968	20028
39.72541	-84.17968	20212
39.72540	-84.17968	20286
39.72539	-84.17969	20485
39.72538	-84.17969	21401
39.72538	-84.17968	18436
39.72540	-84.17967	18582
39.72541	-84.17967	18132
39.72541	-84.17967	19536
39.72541	-84.17967	18989
39.72541	-84.17967	17839
39.72541	-84.17968	17125
39.72542	-84.17967	18840
39.72542	-84.17969	19901
39.72544	-84.17969	19541
39.72544	-84.17969	19383
39.72545	-84.17969	20043
39.72546	-84.17971	20034
39.72547	-84.17971	19476
39.72549	-84.17971	18990
39.72550	-84.17971	20552
39.72551	-84.17972	20486
39.72552	-84.17973	21609
39.72552	-84.17973	20917
39.72553	-84.17974	21426
39.72554	-84.17973	21498
39.72555	-84.17973	20735
39.72555	-84.17974	20880
39.72556	-84.17974	20973
39.72557	-84.17974	21175
39.72557	-84.17974	21174
39.72555	-84.17973	21218
39.72554	-84.17973	21542
39.72554	-84.17973	21976
39.72554	-84.17973	21921
39.72553	-84.17972	21003
39.72553	-84.17972	21290
39.72554	-84.17973	19911
39.72551	-84.17972	18885

39.72499	-84.18035	22902
39.72499	-84.18035	21712
39.72499	-84.18035	21069
39.72499	-84.18035	21356
39.72498	-84.18035	20185
39.72498	-84.18035	20099
39.72498	-84.18035	21250
39.72498	-84.18035	20619
39.72497	-84.18035	21177
39.72497	-84.18035	20280
39.72497	-84.18035	21071
39.72497	-84.18035	20866
39.72497	-84.18035	20242
39.72496	-84.18035	21132
39.72496	-84.18035	22212
39.72496	-84.18036	22090
39.72496	-84.18036	23025
39.72495	-84.18036	21637
39.72495	-84.18036	20755
39.72495	-84.18036	21001
39.72495	-84.18036	21696
39.72495	-84.18036	22215
39.72495	-84.18036	21367
39.72495	-84.18036	22074
39.72495	-84.18036	21522
39.72495	-84.18036	21689
39.72494	-84.18036	22091
39.72494	-84.18036	22848
39.72494	-84.18036	22407
39.72494	-84.18036	22023
39.72494	-84.18036	21276
39.72494	-84.18036	22098
39.72494	-84.18036	22137
39.72494	-84.18036	21174
39.72494	-84.18036	21238
39.72494	-84.18036	21766
39.72493	-84.18036	20118
39.72493	-84.18036	19223
39.72493	-84.18036	20307
39.72493	-84.18036	20985

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72551	-84.17971	19587
39.72551	-84.17971	20302
39.72549	-84.17970	19044
39.72548	-84.17970	18786
39.72547	-84.17970	19574
39.72546	-84.17970	19220
39.72545	-84.17970	19323
39.72544	-84.17970	20111
39.72544	-84.17967	18120
39.72544	-84.17968	16508
39.72545	-84.17968	18148
39.72546	-84.17969	19471
39.72546	-84.17969	19484
39.72546	-84.17969	18721
39.72547	-84.17969	18457
39.72548	-84.17969	18727
39.72549	-84.17969	18533
39.72549	-84.17969	18443
39.72550	-84.17968	18740
39.72552	-84.17968	20189
39.72553	-84.17969	19453
39.72553	-84.17969	20406
39.72554	-84.17970	20483
39.72555	-84.17969	21096
39.72556	-84.17968	21666
39.72556	-84.17967	20717
39.72557	-84.17970	21663
39.72557	-84.17970	23149
39.72558	-84.17971	21888
39.72558	-84.17971	22688
39.72558	-84.17971	22047
39.72557	-84.17971	21560
39.72557	-84.17971	21999
39.72556	-84.17970	20234
39.72555	-84.17970	20493
39.72555	-84.17969	19672
39.72554	-84.17969	19712
39.72553	-84.17969	19877
39.72552	-84.17969	20370
39.72551	-84.17968	19022

39.72493	-84.18036	21858
39.72493	-84.18036	21327
39.72493	-84.18036	21389
39.72493	-84.18036	21425
39.72493	-84.18036	21741
39.72492	-84.18036	22436
39.72492	-84.18036	22932
39.72492	-84.18036	22305
39.72491	-84.18037	22471
39.72491	-84.18037	23247
39.72491	-84.18037	22107
39.72491	-84.18037	22388
39.72489	-84.18037	21836
39.72489	-84.18037	22222
39.72489	-84.18037	22734
39.72489	-84.18037	21046
39.72489	-84.18037	22622
39.72488	-84.18037	21296
39.72488	-84.18037	23073
39.72487	-84.18038	22057
39.72486	-84.18038	22218
39.72486	-84.18038	21659
39.72486	-84.18038	22227
39.72485	-84.18037	21450
39.72484	-84.18037	22572
39.72484	-84.18037	22039
39.72484	-84.18037	22694
39.72484	-84.18037	22248
39.72484	-84.18037	21178
39.72484	-84.18037	21582
39.72485	-84.18036	20914
39.72485	-84.18036	21550
39.72485	-84.18036	21789
39.72485	-84.18036	22118
39.72485	-84.18036	20970
39.72485	-84.18036	22258
39.72492	-84.18034	21598
39.72492	-84.18034	22204
39.72493	-84.18034	22225
39.72493	-84.18034	21302

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72551	-84.17968	18965
39.72550	-84.17967	18992
39.72549	-84.17967	19312
39.72548	-84.17966	18978
39.72547	-84.17966	19190
39.72545	-84.17966	20542
39.72545	-84.17965	18101
39.72546	-84.17964	18430
39.72546	-84.17964	19057
39.72547	-84.17964	18438
39.72547	-84.17965	18851
39.72548	-84.17965	18804
39.72549	-84.17966	19095
39.72550	-84.17966	18070
39.72551	-84.17966	18056
39.72551	-84.17966	18841
39.72552	-84.17968	19747
39.72553	-84.17968	19636
39.72554	-84.17968	19382
39.72555	-84.17968	21346
39.72556	-84.17968	21108
39.72556	-84.17969	20943
39.72557	-84.17969	22582
39.72556	-84.17969	23053
39.72558	-84.17970	23070
39.72557	-84.17971	22493
39.72556	-84.17970	22902
39.72555	-84.17969	22932
39.72555	-84.17968	22884
39.72555	-84.17968	22790
39.72555	-84.17968	21646
39.72554	-84.17968	22229
39.72554	-84.17967	21144
39.72553	-84.17967	19925
39.72552	-84.17966	19394
39.72550	-84.17966	18685
39.72549	-84.17965	20773
39.72548	-84.17965	20818
39.72548	-84.17965	18409
39.72548	-84.17965	18005

39.72493	-84.18034	21157
39.72502	-84.18031	21514
39.72502	-84.18031	23196
39.72502	-84.18031	22331
39.72503	-84.18031	23530
39.72505	-84.18031	23164
39.72507	-84.18031	21920
39.72510	-84.18033	21269
39.72511	-84.18033	20188
39.72512	-84.18033	19875
39.72513	-84.18033	20152
39.72514	-84.18033	21571
39.72514	-84.18033	19011
39.72465	-84.18006	17422
39.72465	-84.18006	17429
39.72465	-84.18006	17714
39.72465	-84.18006	18026
39.72465	-84.18006	18137
39.72465	-84.18006	17458
39.72465	-84.18006	18642
39.72465	-84.18006	19649
39.72465	-84.18006	19119
39.72465	-84.18006	17973
39.72465	-84.18006	18228
39.72464	-84.18006	18416
39.72464	-84.18007	18219
39.72463	-84.18007	19119
39.72463	-84.18008	19181
39.72463	-84.18008	19523
39.72463	-84.18008	18600
39.72463	-84.18008	18919
39.72463	-84.18009	20175
39.72463	-84.18009	19624
39.72463	-84.18009	19863
39.72463	-84.18010	20211
39.72463	-84.18010	20644
39.72463	-84.18010	20038
39.72463	-84.18010	20011
39.72464	-84.18010	19358
39.72464	-84.18011	19350

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72549	-84.17965	17875
39.72550	-84.17965	19572
39.72550	-84.17966	20728
39.72551	-84.17966	21523
39.72552	-84.17961	21831
39.72553	-84.17961	19760
39.72554	-84.17962	19659
39.72555	-84.17963	19629
39.72556	-84.17963	19665
39.72556	-84.17966	19635
39.72557	-84.17966	22460
39.72558	-84.17966	23190
39.72558	-84.17966	24646
39.72558	-84.17966	25391
39.72558	-84.17966	23778
39.72558	-84.17966	23077
39.72558	-84.17965	22788
39.72559	-84.17965	21691
39.72558	-84.17965	21275
39.72558	-84.17965	21313
39.72556	-84.17965	19681
39.72555	-84.17965	21288
39.72554	-84.17964	22087
39.72553	-84.17964	23530
39.72553	-84.17964	22167
39.72552	-84.17964	23126
39.72552	-84.17964	23826
39.72550	-84.17963	22113
39.72549	-84.17963	18648
39.72550	-84.17963	16507
39.72550	-84.17963	18109
39.72551	-84.17963	18567
39.72552	-84.17962	18875
39.72552	-84.17962	19396
39.72552	-84.17962	19608
39.72552	-84.17962	19342
39.72552	-84.17962	19593
39.72552	-84.17962	19934
39.72552	-84.17962	19456
39.72552	-84.17962	18690

39.72464	-84.18011	19348
39.72464	-84.18012	20074
39.72465	-84.18013	19730
39.72465	-84.18013	20521
39.72466	-84.18014	20863
39.72466	-84.18015	20975
39.72467	-84.18015	21789
39.72467	-84.18014	21920
39.72467	-84.18015	21517
39.72469	-84.18017	19637
39.72469	-84.18018	20237
39.72470	-84.18019	21303
39.72470	-84.18019	20556
39.72471	-84.18019	20555
39.72471	-84.18020	20247
39.72471	-84.18021	19595
39.72471	-84.18021	19310
39.72471	-84.18022	19499
39.72471	-84.18023	19727
39.72472	-84.18024	19141
39.72472	-84.18025	19722
39.72472	-84.18025	19992
39.72473	-84.18026	20550
39.72473	-84.18027	20784
39.72474	-84.18028	20855
39.72474	-84.18029	22368
39.72475	-84.18030	23318
39.72475	-84.18030	23206
39.72476	-84.18031	23116
39.72476	-84.18032	22319
39.72477	-84.18032	22780
39.72478	-84.18033	23761
39.72479	-84.18033	21755
39.72479	-84.18034	21712
39.72480	-84.18035	21984
39.72480	-84.18036	22622
39.72480	-84.18036	22886
39.72481	-84.18036	23681
39.72481	-84.18037	24121
39.72481	-84.18036	22837

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72553	-84.17962	19236
39.72554	-84.17962	20280
39.72554	-84.17963	20703
39.72555	-84.17963	19839
39.72556	-84.17963	19891
39.72556	-84.17963	20487
39.72556	-84.17963	20820
39.72556	-84.17963	19880
39.72556	-84.17963	20023
39.72557	-84.17963	19671
39.72558	-84.17963	19938
39.72560	-84.17964	20888
39.72561	-84.17964	21229
39.72559	-84.17963	20923
39.72558	-84.17963	21429
39.72557	-84.17963	20437
39.72556	-84.17962	19844
39.72555	-84.17962	19877
39.72554	-84.17962	19040
39.72553	-84.17961	19005
39.72552	-84.17960	18934
39.72552	-84.17959	17644
39.72553	-84.17959	18026
39.72554	-84.17959	18218
39.72555	-84.17959	17901
39.72556	-84.17960	18656
39.72557	-84.17960	17789
39.72557	-84.17960	18277
39.72558	-84.17960	19106
39.72558	-84.17961	21652
39.72557	-84.17961	22668
39.72557	-84.17961	22778
39.72557	-84.17961	21414
39.72555	-84.17960	19778
39.72555	-84.17960	18952
39.72555	-84.17960	18634
39.72555	-84.17960	19075
39.72555	-84.17959	19164
39.72555	-84.17959	17634
39.72555	-84.17959	18890

39.72482	-84.18036	22870
39.72482	-84.18035	22579
39.72483	-84.18034	23479
39.72482	-84.18031	22708
39.72483	-84.18032	22074
39.72483	-84.18032	22165
39.72485	-84.18033	23017
39.72485	-84.18033	23340
39.72484	-84.18033	22622
39.72485	-84.18032	21142
39.72485	-84.18031	21143
39.72486	-84.18031	20950
39.72486	-84.18032	21997
39.72487	-84.18032	22533
39.72487	-84.18031	22087
39.72487	-84.18031	22363
39.72488	-84.18030	21567
39.72488	-84.18030	20583
39.72488	-84.18030	21749
39.72489	-84.18030	22093
39.72489	-84.18030	23407
39.72488	-84.18028	23092
39.72488	-84.18028	23311
39.72489	-84.18029	21688
39.72490	-84.18029	22049
39.72490	-84.18028	21495
39.72490	-84.18026	21291
39.72491	-84.18028	21517
39.72491	-84.18028	21535
39.72491	-84.18028	22479
39.72491	-84.18028	22844
39.72492	-84.18026	21981
39.72492	-84.18027	21305
39.72492	-84.18027	20570
39.72492	-84.18027	23063
39.72493	-84.18027	22667
39.72493	-84.18026	22172
39.72493	-84.18026	21108
39.72493	-84.18027	21148
39.72494	-84.18026	21461

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72555	-84.17959	19187
39.72556	-84.17959	19235
39.72556	-84.17959	19887
39.72557	-84.17960	20962
39.72561	-84.17959	23597
39.72559	-84.17959	23306
39.72558	-84.17959	22851
39.72557	-84.17959	20397
39.72558	-84.17959	19605
39.72557	-84.17959	18156
39.72558	-84.17958	18102
39.72558	-84.17958	20208
39.72559	-84.17958	20770
39.72560	-84.17958	22109
39.72559	-84.17955	19951
39.72558	-84.17957	20439
39.72557	-84.17958	19450
39.72556	-84.17958	18921
39.72555	-84.17959	18574
39.72554	-84.17959	18345
39.72553	-84.17960	18207
39.72553	-84.17960	18996
39.72552	-84.17960	18604
39.72552	-84.17960	19357
39.72552	-84.17961	18862
39.72552	-84.17961	19624
39.72552	-84.17961	18591
39.72551	-84.17961	18530
39.72551	-84.17962	19593
39.72551	-84.17962	19617
39.72550	-84.17962	18517
39.72549	-84.17963	17831
39.72548	-84.17963	17667
39.72548	-84.17964	16849
39.72547	-84.17964	15954
39.72547	-84.17964	17439
39.72547	-84.17964	17748
39.72547	-84.17964	16740
39.72546	-84.17964	17275
39.72546	-84.17965	16750

39.72494	-84.18025	20648
39.72493	-84.18026	21921
39.72494	-84.18025	21060
39.72495	-84.18026	20808
39.72495	-84.18025	21248
39.72494	-84.18026	19996
39.72494	-84.18026	20047
39.72495	-84.18026	21865
39.72495	-84.18025	21459
39.72495	-84.18025	21146
39.72495	-84.18025	20488
39.72495	-84.18025	20898
39.72496	-84.18024	22695
39.72496	-84.18024	20779
39.72496	-84.18023	20730
39.72497	-84.18023	21599
39.72497	-84.18023	20505
39.72497	-84.18024	20238
39.72497	-84.18024	20488
39.72498	-84.18022	20416
39.72498	-84.18022	20777
39.72498	-84.18022	18665
39.72499	-84.18022	18679
39.72499	-84.18022	18055
39.72499	-84.18022	19041
39.72499	-84.18021	19529
39.72499	-84.18021	20135
39.72500	-84.18021	20303
39.72500	-84.18021	21482
39.72500	-84.18021	21918
39.72501	-84.18020	22008
39.72501	-84.18020	21217
39.72502	-84.18020	22148
39.72503	-84.18019	20399
39.72503	-84.18018	20259
39.72504	-84.18018	22143
39.72504	-84.18018	22309
39.72504	-84.18017	21776
39.72505	-84.18018	22182
39.72504	-84.18017	23128

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72545	-84.17965	16942
39.72545	-84.17965	16135
39.72544	-84.17965	17623
39.72544	-84.17966	16469
39.72543	-84.17966	15849
39.72542	-84.17967	15583
39.72542	-84.17968	15315
39.72541	-84.17968	16831
39.72540	-84.17968	16427
39.72539	-84.17969	16123
39.72539	-84.17968	16660
39.72538	-84.17968	16428
39.72537	-84.17968	17202
39.72536	-84.17969	16195
39.72536	-84.17970	16570
39.72535	-84.17970	15107
39.72535	-84.17970	16869
39.72534	-84.17971	16261
39.72534	-84.17971	15996
39.72533	-84.17972	17666
39.72533	-84.17971	16580
39.72534	-84.17971	15927
39.72535	-84.17971	16386
39.72536	-84.17971	16041
39.72536	-84.17970	15638
39.72537	-84.17970	14962
39.72538	-84.17970	15843
39.72538	-84.17969	16121
39.72539	-84.17969	15630
39.72540	-84.17968	14955
39.72540	-84.17967	14711
39.72541	-84.17967	15747
39.72542	-84.17966	16126
39.72543	-84.17966	17298
39.72543	-84.17965	15285
39.72545	-84.17965	15608
39.72545	-84.17965	16057
39.72545	-84.17965	15860
39.72545	-84.17965	15934
39.72545	-84.17965	16499

39.72504	-84.18016	23586
39.72503	-84.18015	24402
39.72503	-84.18015	23715
39.72503	-84.18014	23752
39.72502	-84.18013	24870
39.72501	-84.18012	23670
39.72501	-84.18010	22169
39.72500	-84.18010	23278
39.72500	-84.18008	22609
39.72499	-84.18007	23684
39.72499	-84.18006	22634
39.72498	-84.18005	22781
39.72498	-84.18004	22544
39.72497	-84.18003	21758
39.72497	-84.18003	21564
39.72496	-84.18001	22187
39.72496	-84.18001	21356
39.72495	-84.18000	21981
39.72495	-84.17999	21393
39.72494	-84.17998	20692
39.72494	-84.17997	21124
39.72493	-84.17996	20909
39.72493	-84.17995	21851
39.72492	-84.17994	21236
39.72492	-84.17993	20707
39.72492	-84.17993	21855
39.72491	-84.17992	21261
39.72491	-84.17991	21991
39.72490	-84.17991	21871
39.72490	-84.17990	20944
39.72490	-84.17990	21226
39.72490	-84.17990	21580
39.72490	-84.17990	21534
39.72489	-84.17990	22404
39.72489	-84.17989	22319
39.72489	-84.17989	22799
39.72488	-84.17988	21838
39.72488	-84.17988	21799
39.72488	-84.17987	21911
39.72487	-84.17986	21645

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72545	-84.17965	16701
39.72546	-84.17964	15903
39.72546	-84.17964	15528
39.72546	-84.17964	15850
39.72547	-84.17964	15708
39.72547	-84.17963	16148
39.72548	-84.17963	15048
39.72548	-84.17963	15889
39.72549	-84.17963	16952
39.72549	-84.17964	16208
39.72548	-84.17963	15885
39.72548	-84.17963	15750
39.72547	-84.17964	15478
39.72546	-84.17965	15173
39.72545	-84.17966	14994
39.72544	-84.17967	15450
39.72544	-84.17967	16076
39.72544	-84.17967	16726
39.72544	-84.17966	15661
39.72544	-84.17966	16301
39.72544	-84.17966	15352
39.72544	-84.17966	16072
39.72544	-84.17966	16033
39.72544	-84.17966	16400
39.72544	-84.17965	16647
39.72544	-84.17965	17140
39.72544	-84.17965	15490
39.72544	-84.17965	14753
39.72544	-84.17965	15233
39.72544	-84.17964	14886
39.72544	-84.17964	16094
39.72544	-84.17964	16928
39.72544	-84.17964	16351
39.72544	-84.17964	15603
39.72543	-84.17964	16419
39.72543	-84.17965	15247
39.72542	-84.17965	15838
39.72542	-84.17965	15178
39.72541	-84.17966	16235
39.72541	-84.17967	13894

39.72487	-84.17986	22492
39.72487	-84.17985	24208
39.72486	-84.17984	24564
39.72486	-84.17984	24126
39.72485	-84.17984	25483
39.72485	-84.17984	24709
39.72485	-84.17985	26139
39.72485	-84.17985	26293
39.72485	-84.17985	25071
39.72486	-84.17985	25085
39.72486	-84.17985	25224
39.72485	-84.17985	24746
39.72486	-84.17985	26046
39.72486	-84.17986	26696
39.72486	-84.17987	24391
39.72485	-84.17988	22862
39.72484	-84.17988	22900
39.72484	-84.17988	21762
39.72484	-84.17989	21268
39.72485	-84.17991	20903
39.72484	-84.17992	20519
39.72483	-84.17993	20909
39.72482	-84.17993	20761
39.72481	-84.17994	21426
39.72481	-84.17994	20737
39.72482	-84.17995	20718
39.72483	-84.17996	19629
39.72482	-84.17998	18780
39.72480	-84.17999	18848
39.72479	-84.18000	19436
39.72478	-84.18001	19382
39.72478	-84.18000	20166
39.72477	-84.18000	20960
39.72476	-84.17999	21444
39.72475	-84.18000	21382
39.72474	-84.18001	20943
39.72473	-84.18002	20663
39.72471	-84.18003	20587
39.72470	-84.18004	20763
39.72469	-84.18005	19685

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72540	-84.17966	14419
39.72539	-84.17967	14824
39.72538	-84.17968	15243
39.72537	-84.17968	16050
39.72536	-84.17969	15609
39.72536	-84.17969	16005
39.72535	-84.17970	16581
39.72534	-84.17970	15703
39.72534	-84.17969	15307
39.72533	-84.17969	15217
39.72534	-84.17968	14238
39.72535	-84.17967	15805
39.72536	-84.17967	16456
39.72537	-84.17966	16429
39.72538	-84.17966	16604
39.72540	-84.17965	15136
39.72539	-84.17965	15091
39.72541	-84.17964	15834
39.72542	-84.17964	15584
39.72542	-84.17963	15566
39.72542	-84.17963	14980
39.72543	-84.17963	15747
39.72543	-84.17963	15766
39.72544	-84.17962	15293
39.72544	-84.17962	15519
39.72544	-84.17962	16416
39.72545	-84.17962	16150
39.72545	-84.17962	15933
39.72545	-84.17962	15841
39.72546	-84.17961	15149
39.72546	-84.17961	15099
39.72546	-84.17961	14702
39.72547	-84.17961	15082
39.72547	-84.17961	15932
39.72547	-84.17961	15920
39.72546	-84.17961	15291
39.72546	-84.17962	14827
39.72546	-84.17962	14978
39.72547	-84.17961	16311
39.72546	-84.17962	16605

39.72467	-84.18006	22120
39.72466	-84.18006	20606
39.72465	-84.18005	19936
39.72465	-84.18006	19509
39.72464	-84.18007	20359
39.72463	-84.18008	19906
39.72463	-84.18009	19879
39.72464	-84.18010	20501
39.72465	-84.18011	20046
39.72465	-84.18012	21312
39.72466	-84.18013	21033
39.72468	-84.18014	21735
39.72469	-84.18015	22142
39.72470	-84.18017	21480
39.72470	-84.18017	20752
39.72470	-84.18018	21428
39.72470	-84.18018	21363
39.72470	-84.18018	20441
39.72470	-84.18018	20667
39.72470	-84.18018	21022
39.72470	-84.18019	20733
39.72470	-84.18020	21389
39.72470	-84.18022	20217
39.72471	-84.18024	20174
39.72472	-84.18026	20250
39.72473	-84.18028	19507
39.72474	-84.18030	21773
39.72476	-84.18032	23357
39.72477	-84.18033	22331
39.72479	-84.18034	21837
39.72480	-84.18035	22599
39.72480	-84.18036	23950
39.72480	-84.18036	22745
39.72481	-84.18035	22762
39.72482	-84.18034	22073
39.72484	-84.18035	22550
39.72483	-84.18033	22451
39.72483	-84.18033	21273
39.72483	-84.18033	21456
39.72484	-84.18032	22233

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72546	-84.17962	16120
39.72546	-84.17962	16033
39.72545	-84.17963	15258
39.72546	-84.17963	15692
39.72547	-84.17962	16150
39.72546	-84.17963	15900
39.72546	-84.17965	14518
39.72546	-84.17965	15900
39.72546	-84.17966	15428
39.72546	-84.17963	15733
39.72547	-84.17962	15851
39.72547	-84.17962	16466
39.72546	-84.17962	15908
39.72546	-84.17962	16381
39.72546	-84.17962	16634
39.72545	-84.17962	16742
39.72545	-84.17962	17128
39.72545	-84.17962	16854
39.72545	-84.17962	16952
39.72544	-84.17963	16937
39.72544	-84.17963	16627
39.72544	-84.17963	16787
39.72543	-84.17964	16651
39.72543	-84.17964	16619
39.72543	-84.17964	16678
39.72542	-84.17965	17285
39.72540	-84.17965	16656
39.72540	-84.17965	16133
39.72539	-84.17966	15230
39.72538	-84.17966	15459
39.72537	-84.17967	14527
39.72536	-84.17968	15098
39.72536	-84.17966	14973
39.72535	-84.17967	15699
39.72536	-84.17967	15475
39.72537	-84.17966	15086
39.72538	-84.17966	16000
39.72539	-84.17963	15959
39.72540	-84.17966	16424
39.72539	-84.17965	15671

39.72486	-84.18031	20553
39.72487	-84.18031	20398
39.72488	-84.18028	19942
39.72489	-84.18028	20523
39.72491	-84.18028	20915
39.72492	-84.18027	20077
39.72493	-84.18025	21131
39.72494	-84.18025	21403
39.72494	-84.18024	21152
39.72495	-84.18024	20084
39.72496	-84.18022	19406
39.72497	-84.18022	20179
39.72497	-84.18022	20143
39.72498	-84.18021	20091
39.72499	-84.18021	19319
39.72499	-84.18020	19931
39.72500	-84.18019	20602
39.72501	-84.18020	20146
39.72502	-84.18020	20331
39.72501	-84.18020	21531
39.72501	-84.18020	20313
39.72500	-84.18020	20023
39.72501	-84.18020	20286
39.72501	-84.18019	20192
39.72502	-84.18019	20208
39.72502	-84.18019	21016
39.72503	-84.18018	19871
39.72503	-84.18018	21802
39.72501	-84.18015	21311
39.72502	-84.18016	21535
39.72502	-84.18015	21210
39.72502	-84.18015	23312
39.72502	-84.18017	22133
39.72501	-84.18017	21454
39.72500	-84.18018	21786
39.72500	-84.18018	20133
39.72499	-84.18018	19996
39.72498	-84.18019	20125
39.72497	-84.18020	19217
39.72496	-84.18021	19002

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72543	-84.17963	16269
39.72537	-84.17963	16134
39.72536	-84.17965	15981
39.72537	-84.17964	15850
39.72538	-84.17963	15060
39.72539	-84.17962	14522
39.72538	-84.17961	15755
39.72538	-84.17960	15304
39.72537	-84.17960	15937
39.72537	-84.17960	16599
39.72537	-84.17960	15958
39.72537	-84.17960	16163
39.72538	-84.17960	17230
39.72537	-84.17961	18442
39.72538	-84.17962	19016
39.72537	-84.17962	19219
39.72539	-84.17962	17966
39.72537	-84.17962	18238
39.72537	-84.17961	18968
39.72537	-84.17961	18718
39.72537	-84.17960	18512
39.72537	-84.17960	18920
39.72537	-84.17959	17693
39.72537	-84.17959	19103
39.72537	-84.17958	19416
39.72539	-84.17958	19753
39.72538	-84.17957	20810
39.72539	-84.17957	19807
39.72541	-84.17956	19141
39.72540	-84.17955	19698
39.72542	-84.17953	20805
39.72543	-84.17953	20796
39.72544	-84.17952	20667
39.72546	-84.17951	20327
39.72547	-84.17948	20134
39.72547	-84.17946	20261
39.72547	-84.17945	19940
39.72548	-84.17943	19366
39.72548	-84.17943	19667
39.72549	-84.17944	20082

39.72496	-84.18022	19958
39.72495	-84.18023	20693
39.72494	-84.18023	19457
39.72493	-84.18024	19757
39.72491	-84.18025	19906
39.72490	-84.18026	20467
39.72489	-84.18028	21152
39.72487	-84.18029	20523
39.72486	-84.18030	20970
39.72484	-84.18030	20718
39.72484	-84.18032	21035
39.72482	-84.18032	21195
39.72482	-84.18033	21731
39.72482	-84.18033	22191
39.72482	-84.18033	22938
39.72481	-84.18034	22438
39.72479	-84.18034	23381
39.72478	-84.18034	22584
39.72479	-84.18034	22486
39.72480	-84.18034	22191
39.72481	-84.18033	21924
39.72482	-84.18031	21410
39.72482	-84.18032	22027
39.72483	-84.18032	21328
39.72483	-84.18030	21080
39.72485	-84.18029	21904
39.72486	-84.18029	20915
39.72488	-84.18027	21377
39.72489	-84.18025	20902
39.72490	-84.18024	19676
39.72492	-84.18023	21249
39.72493	-84.18022	19942
39.72494	-84.18022	19998
39.72495	-84.18021	19900
39.72497	-84.18020	19157
39.72497	-84.18019	19991
39.72498	-84.18019	19811
39.72499	-84.18018	18149
39.72500	-84.18017	18618
39.72501	-84.18017	20448

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72550	-84.17944	19571
39.72551	-84.17944	20083
39.72551	-84.17945	21390
39.72552	-84.17945	20605
39.72552	-84.17944	20507
39.72552	-84.17940	20181
39.72552	-84.17938	20492
39.72552	-84.17939	21109
39.72553	-84.17939	20801
39.72553	-84.17939	21472
39.72554	-84.17938	20432
39.72555	-84.17938	20420
39.72555	-84.17939	21700
39.72558	-84.17937	21752
39.72559	-84.17936	21279
39.72557	-84.17938	20003
39.72559	-84.17935	21440
39.72560	-84.17935	22007
39.72561	-84.17934	21746
39.72562	-84.17933	21575
39.72563	-84.17932	21590
39.72563	-84.17931	22135
39.72564	-84.17931	22075
39.72564	-84.17931	20895
39.72565	-84.17930	20877
39.72566	-84.17928	23697
39.72568	-84.17927	22246
39.72568	-84.17926	21859
39.72569	-84.17926	20548
39.72570	-84.17926	21296
39.72570	-84.17926	22170
39.72571	-84.17926	21341
39.72572	-84.17926	22078
39.72573	-84.17926	21738
39.72572	-84.17927	22141
39.72572	-84.17928	21554
39.72571	-84.17927	22706
39.72570	-84.17928	22199
39.72569	-84.17928	21214
39.72566	-84.17930	23339

39.72501	-84.18017	22210
39.72501	-84.18017	21876
39.72502	-84.18016	22477
39.72502	-84.18015	23339
39.72502	-84.18014	24306
39.72501	-84.18014	23920
39.72500	-84.18014	23278
39.72499	-84.18015	21665
39.72499	-84.18016	21408
39.72499	-84.18016	20770
39.72498	-84.18016	19459
39.72498	-84.18017	20161
39.72497	-84.18018	20848
39.72496	-84.18019	20238
39.72494	-84.18020	20415
39.72493	-84.18021	21198
39.72491	-84.18022	20595
39.72490	-84.18023	19462
39.72489	-84.18025	20512
39.72487	-84.18026	22550
39.72486	-84.18027	21793
39.72485	-84.18028	21208
39.72484	-84.18029	20795
39.72483	-84.18030	19360
39.72482	-84.18031	20996
39.72482	-84.18032	21680
39.72482	-84.18032	21816
39.72481	-84.18032	21487
39.72480	-84.18031	20978
39.72479	-84.18031	21637
39.72480	-84.18031	20845
39.72480	-84.18031	22910
39.72480	-84.18030	22540
39.72481	-84.18030	21673
39.72481	-84.18030	20777
39.72481	-84.18030	20266
39.72481	-84.18030	20343
39.72482	-84.18028	21497
39.72482	-84.18027	21065
39.72484	-84.18026	20458

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72565	-84.17930	23428
39.72565	-84.17930	22843
39.72564	-84.17927	23368
39.72563	-84.17930	23121
39.72563	-84.17933	23141
39.72562	-84.17934	23183
39.72561	-84.17932	23909
39.72561	-84.17933	23642
39.72560	-84.17933	23361
39.72560	-84.17933	23492
39.72560	-84.17935	23478
39.72559	-84.17936	22788
39.72555	-84.17939	22292
39.72555	-84.17940	20266
39.72557	-84.17938	20841
39.72557	-84.17938	21958
39.72556	-84.17939	22018
39.72556	-84.17940	22235
39.72555	-84.17941	21405
39.72554	-84.17942	22083
39.72553	-84.17943	22017
39.72553	-84.17943	20955
39.72552	-84.17944	21724
39.72552	-84.17945	20677
39.72551	-84.17945	21378
39.72551	-84.17946	20703
39.72551	-84.17946	22379
39.72551	-84.17947	22067
39.72550	-84.17948	21951
39.72550	-84.17948	22089
39.72550	-84.17949	21050
39.72549	-84.17949	21818
39.72549	-84.17949	22421
39.72549	-84.17949	21669
39.72549	-84.17949	21655
39.72548	-84.17949	21302
39.72548	-84.17949	20212
39.72548	-84.17948	20989
39.72549	-84.17948	20568
39.72549	-84.17948	21760

39.72486	-84.18024	19968
39.72487	-84.18024	20227
39.72489	-84.18024	20212
39.72490	-84.18021	21871
39.72491	-84.18020	21608
39.72492	-84.18020	19631
39.72492	-84.18020	19994
39.72492	-84.18020	19316
39.72497	-84.18017	20003
39.72497	-84.18017	21091
39.72497	-84.18016	21573
39.72499	-84.18016	20485
39.72500	-84.18015	20324
39.72500	-84.18015	20811
39.72501	-84.18014	23489
39.72501	-84.18014	23960
39.72501	-84.18013	22863
39.72500	-84.18013	22249
39.72499	-84.18014	20844
39.72498	-84.18014	20686
39.72498	-84.18015	22511
39.72498	-84.18015	22467
39.72497	-84.18016	22706
39.72497	-84.18016	22194
39.72496	-84.18017	21942
39.72495	-84.18018	21871
39.72493	-84.18019	21410
39.72491	-84.18019	21028
39.72490	-84.18020	21432
39.72489	-84.18022	20051
39.72488	-84.18023	20635
39.72487	-84.18024	20655
39.72486	-84.18026	23544
39.72485	-84.18027	21739
39.72484	-84.18028	20853
39.72483	-84.18028	19466
39.72482	-84.18029	21263
39.72481	-84.18029	20489
39.72480	-84.18030	20719
39.72480	-84.18030	20673

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72548	-84.17947	20614
39.72547	-84.17950	22512
39.72546	-84.17949	22479
39.72546	-84.17950	21875
39.72545	-84.17951	20947
39.72544	-84.17952	22332
39.72544	-84.17953	20863
39.72542	-84.17954	20621
39.72542	-84.17955	21278
39.72541	-84.17956	20353
39.72538	-84.17957	21310
39.72537	-84.17957	21082
39.72537	-84.17958	19745
39.72536	-84.17959	21018
39.72535	-84.17958	19978
39.72535	-84.17957	20653
39.72540	-84.17957	20209
39.72536	-84.17957	20860
39.72537	-84.17957	21064
39.72540	-84.17957	21203
39.72541	-84.17956	21517
39.72541	-84.17956	23043
39.72541	-84.17955	21922
39.72542	-84.17953	22061
39.72543	-84.17953	21266
39.72544	-84.17952	22346
39.72544	-84.17952	22692
39.72544	-84.17951	22973
39.72545	-84.17951	23367
39.72545	-84.17950	23602
39.72545	-84.17949	22863
39.72546	-84.17949	22822
39.72547	-84.17949	22565
39.72547	-84.17948	21959
39.72548	-84.17948	21028
39.72548	-84.17948	22040
39.72548	-84.17947	21832
39.72548	-84.17947	21379
39.72549	-84.17947	22790
39.72549	-84.17947	21929

39.72479	-84.18030	21212
39.72480	-84.18030	20446
39.72479	-84.18030	21475
39.72480	-84.18029	21244
39.72480	-84.18029	19935
39.72480	-84.18029	20553
39.72480	-84.18029	20888
39.72480	-84.18029	20476
39.72479	-84.18029	20739
39.72480	-84.18028	20957
39.72481	-84.18027	21235
39.72482	-84.18026	21634
39.72484	-84.18025	19734
39.72485	-84.18023	21652
39.72486	-84.18021	22540
39.72488	-84.18020	22450
39.72489	-84.18019	21018
39.72491	-84.18018	22167
39.72493	-84.18018	20693
39.72494	-84.18017	20633
39.72495	-84.18016	22444
39.72497	-84.18015	21997
39.72496	-84.18012	22165
39.72498	-84.18012	22262
39.72499	-84.18013	22607
39.72500	-84.18012	21775
39.72501	-84.18011	21657
39.72500	-84.18010	22817
39.72499	-84.18010	21621
39.72498	-84.18011	21888
39.72497	-84.18012	22514
39.72497	-84.18012	22585
39.72497	-84.18013	22989
39.72496	-84.18014	22901
39.72494	-84.18015	22400
39.72493	-84.18016	21828
39.72492	-84.18017	21385
39.72490	-84.18018	21764
39.72489	-84.18019	20862
39.72487	-84.18020	21300

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72549	-84.17946	22418
39.72549	-84.17946	22158
39.72549	-84.17946	22482
39.72549	-84.17945	21467
39.72550	-84.17945	21144
39.72550	-84.17944	23113
39.72551	-84.17944	23151
39.72551	-84.17943	22309
39.72552	-84.17943	23028
39.72552	-84.17943	21749
39.72552	-84.17943	21495
39.72552	-84.17943	20779
39.72552	-84.17943	21731
39.72552	-84.17943	22514
39.72552	-84.17943	20672
39.72552	-84.17943	19801
39.72552	-84.17943	20054
39.72551	-84.17945	20493
39.72552	-84.17945	21560
39.72552	-84.17945	22387
39.72553	-84.17944	22653
39.72554	-84.17942	22662
39.72555	-84.17943	21498
39.72556	-84.17941	21789
39.72557	-84.17940	22331
39.72560	-84.17937	22102
39.72561	-84.17936	22702
39.72562	-84.17935	24066
39.72560	-84.17939	23563
39.72561	-84.17937	23467
39.72562	-84.17936	24468
39.72563	-84.17936	24400
39.72563	-84.17936	22730
39.72563	-84.17935	22575
39.72564	-84.17934	23285
39.72566	-84.17932	22359
39.72565	-84.17933	22604
39.72566	-84.17932	23951
39.72566	-84.17931	24381
39.72569	-84.17930	25454

39.72486	-84.18021	20964
39.72485	-84.18023	20998
39.72484	-84.18024	20791
39.72483	-84.18025	21219
39.72482	-84.18026	21333
39.72480	-84.18026	21360
39.72479	-84.18027	21885
39.72479	-84.18028	20922
39.72479	-84.18028	20558
39.72478	-84.18029	21466
39.72476	-84.18030	20234
39.72476	-84.18031	21147
39.72476	-84.18030	23222
39.72475	-84.18030	22428
39.72476	-84.18029	21725
39.72477	-84.18028	22706
39.72478	-84.18026	21415
39.72480	-84.18027	22402
39.72479	-84.18027	21326
39.72480	-84.18027	22390
39.72481	-84.18024	21183
39.72482	-84.18023	21313
39.72484	-84.18023	22065
39.72485	-84.18021	22321
39.72485	-84.18019	20951
39.72486	-84.18017	21011
39.72488	-84.18017	22591
39.72490	-84.18016	20906
39.72493	-84.18016	20961
39.72494	-84.18014	21880
39.72495	-84.18013	20531
39.72496	-84.18011	22664
39.72497	-84.18011	22340
39.72497	-84.18011	22546
39.72498	-84.18010	22341
39.72500	-84.18010	22788
39.72499	-84.18009	22711
39.72499	-84.18009	22640
39.72498	-84.18010	22596
39.72497	-84.18010	22845

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72569	-84.17929	23291
39.72570	-84.17928	23273
39.72570	-84.17928	21989
39.72570	-84.17928	22029
39.72570	-84.17927	22518
39.72571	-84.17927	22963
39.72571	-84.17928	23122
39.72571	-84.17928	22829
39.72571	-84.17929	21761
39.72571	-84.17929	21074
39.72571	-84.17930	20605
39.72572	-84.17930	20597
39.72570	-84.17930	19897
39.72570	-84.17931	21542
39.72569	-84.17932	21556
39.72569	-84.17933	23036
39.72568	-84.17933	23416
39.72567	-84.17934	23877
39.72566	-84.17935	24064
39.72566	-84.17934	24211
39.72565	-84.17934	25243
39.72564	-84.17934	24095
39.72564	-84.17934	23937
39.72563	-84.17934	23183
39.72565	-84.17933	23733
39.72564	-84.17934	25220
39.72562	-84.17935	23519
39.72562	-84.17936	23759
39.72561	-84.17937	23370
39.72560	-84.17937	23227
39.72560	-84.17938	23220
39.72560	-84.17937	23286
39.72559	-84.17938	22310
39.72558	-84.17939	21442
39.72556	-84.17940	21021
39.72558	-84.17938	22261
39.72557	-84.17939	22568
39.72557	-84.17940	22031
39.72556	-84.17941	22185
39.72555	-84.17942	22420

39.72496	-84.18011	22551
39.72496	-84.18011	22410
39.72495	-84.18012	23168
39.72494	-84.18013	23629
39.72493	-84.18014	22084
39.72492	-84.18015	21515
39.72490	-84.18016	21445
39.72489	-84.18017	21054
39.72488	-84.18018	21909
39.72486	-84.18019	22083
39.72485	-84.18020	21522
39.72484	-84.18021	21596
39.72482	-84.18022	21292
39.72481	-84.18024	20436
39.72480	-84.18025	21877
39.72478	-84.18025	20165
39.72477	-84.18026	20896
39.72477	-84.18027	20794
39.72476	-84.18027	21607
39.72475	-84.18028	21170
39.72474	-84.18029	22547
39.72474	-84.18029	22257
39.72474	-84.18028	22411
39.72476	-84.18026	20904
39.72477	-84.18025	21089
39.72478	-84.18025	19495
39.72478	-84.18024	20423
39.72480	-84.18023	19501
39.72482	-84.18023	20039
39.72482	-84.18020	20362
39.72483	-84.18019	20267
39.72484	-84.18018	21033
39.72485	-84.18017	19436
39.72487	-84.18016	21569
39.72488	-84.18015	21896
39.72490	-84.18014	21397
39.72491	-84.18013	21563
39.72493	-84.18012	20974
39.72494	-84.18011	20651
39.72495	-84.18010	21481

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72555	-84.17943	22005
39.72555	-84.17943	21438
39.72555	-84.17943	20512
39.72555	-84.17942	21666
39.72555	-84.17942	21314
39.72555	-84.17942	21747
39.72555	-84.17942	22339
39.72555	-84.17942	22717
39.72555	-84.17942	20602
39.72555	-84.17942	20776
39.72555	-84.17942	22104
39.72555	-84.17942	21778
39.72555	-84.17942	22049
39.72555	-84.17942	22369
39.72554	-84.17942	20797
39.72554	-84.17943	20655
39.72554	-84.17943	20344
39.72554	-84.17943	21533
39.72554	-84.17942	21591
39.72555	-84.17942	21113
39.72556	-84.17942	21286
39.72556	-84.17943	21532
39.72556	-84.17943	22636
39.72555	-84.17944	22362
39.72555	-84.17944	21295
39.72554	-84.17945	21169
39.72554	-84.17945	22190
39.72554	-84.17946	22640
39.72553	-84.17946	22916
39.72553	-84.17947	22037
39.72552	-84.17948	21746
39.72552	-84.17948	21734
39.72551	-84.17948	22120
39.72551	-84.17949	22395
39.72551	-84.17949	22512
39.72551	-84.17949	21668
39.72550	-84.17949	22070
39.72550	-84.17950	22140
39.72550	-84.17951	21866
39.72550	-84.17951	21997

39.72497	-84.18009	23246
39.72497	-84.18009	22566
39.72498	-84.18009	21941
39.72498	-84.18008	22316
39.72498	-84.18007	20834
39.72498	-84.18007	22548
39.72497	-84.18008	22551
39.72496	-84.18009	22076
39.72496	-84.18009	20767
39.72495	-84.18009	20794
39.72495	-84.18010	20578
39.72494	-84.18011	21236
39.72493	-84.18012	22555
39.72491	-84.18013	22455
39.72490	-84.18014	21210
39.72489	-84.18015	21272
39.72488	-84.18016	21316
39.72487	-84.18017	20868
39.72485	-84.18018	20422
39.72484	-84.18019	21748
39.72482	-84.18020	22443
39.72481	-84.18021	21836
39.72480	-84.18022	21090
39.72479	-84.18023	21859
39.72477	-84.18024	21604
39.72476	-84.18025	21880
39.72476	-84.18025	22177
39.72474	-84.18026	22163
39.72474	-84.18028	22585
39.72473	-84.18028	21824
39.72473	-84.18027	21475
39.72474	-84.18025	20699
39.72476	-84.18024	21405
39.72477	-84.18023	21328
39.72477	-84.18023	21795
39.72478	-84.18022	21167
39.72480	-84.18021	20703
39.72481	-84.18020	21467
39.72483	-84.18019	20928
39.72483	-84.18017	21938

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72550	-84.17951	21433
39.72549	-84.17951	22364
39.72549	-84.17951	21123
39.72548	-84.17951	22270
39.72547	-84.17952	23464
39.72547	-84.17952	23012
39.72545	-84.17954	23303
39.72544	-84.17955	22595
39.72543	-84.17956	22267
39.72542	-84.17957	20678
39.72543	-84.17956	21758
39.72543	-84.17956	21352
39.72543	-84.17955	22025
39.72542	-84.17957	21432
39.72542	-84.17957	21931
39.72543	-84.17956	20902
39.72543	-84.17956	19847
39.72544	-84.17955	19709
39.72544	-84.17954	21474
39.72545	-84.17954	22229
39.72546	-84.17953	21442
39.72546	-84.17953	22073
39.72547	-84.17953	22854
39.72547	-84.17953	23551
39.72547	-84.17953	22668
39.72547	-84.17952	21840
39.72549	-84.17949	22462
39.72550	-84.17948	23073
39.72551	-84.17949	23561
39.72551	-84.17948	21936
39.72551	-84.17948	22545
39.72552	-84.17947	23159
39.72552	-84.17947	23159
39.72553	-84.17946	22952
39.72553	-84.17946	21861
39.72554	-84.17945	21304
39.72554	-84.17944	20527
39.72554	-84.17944	21540
39.72555	-84.17943	21330
39.72556	-84.17942	21347

39.72484	-84.18015	20763
39.72486	-84.18014	20832
39.72488	-84.18013	21189
39.72489	-84.18012	22447
39.72491	-84.18011	22374
39.72492	-84.18010	22108
39.72494	-84.18009	21688
39.72495	-84.18008	21036
39.72496	-84.18008	21457
39.72496	-84.18008	22078
39.72497	-84.18007	22077
39.72498	-84.18006	22325
39.72498	-84.18006	22148
39.72497	-84.18006	21990
39.72496	-84.18006	22627
39.72495	-84.18007	21719
39.72495	-84.18007	22099
39.72494	-84.18008	20926
39.72493	-84.18009	21340
39.72492	-84.18010	21469
39.72491	-84.18011	20755
39.72489	-84.18012	22196
39.72488	-84.18013	20764
39.72486	-84.18014	21916
39.72485	-84.18015	21828
39.72484	-84.18016	20157
39.72482	-84.18018	21260
39.72481	-84.18019	21976
39.72480	-84.18020	22164
39.72478	-84.18021	20513
39.72477	-84.18022	21074
39.72475	-84.18023	21006
39.72475	-84.18024	21420
39.72474	-84.18024	21521
39.72473	-84.18025	21264
39.72472	-84.18026	21062
39.72472	-84.18025	20947
39.72472	-84.18025	18978
39.72472	-84.18025	18879
39.72472	-84.18025	19949

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72556	-84.17942	21473
39.72557	-84.17941	21512
39.72558	-84.17940	21887
39.72559	-84.17939	22274
39.72560	-84.17938	22632
39.72561	-84.17937	22949
39.72561	-84.17937	22240
39.72561	-84.17937	21129
39.72561	-84.17937	22086
39.72561	-84.17937	22679
39.72561	-84.17937	23464
39.72561	-84.17937	22840
39.72564	-84.17935	22458
39.72563	-84.17935	22816
39.72564	-84.17935	23079
39.72565	-84.17934	23419
39.72565	-84.17933	23362
39.72566	-84.17934	22523
39.72567	-84.17934	23736
39.72568	-84.17934	24009
39.72568	-84.17934	24656
39.72570	-84.17931	23510
39.72571	-84.17926	23371
39.72571	-84.17925	23014
39.72572	-84.17928	22482
39.72572	-84.17932	22903
39.72571	-84.17932	22219
39.72571	-84.17932	22936
39.72571	-84.17931	22477
39.72571	-84.17931	23772
39.72570	-84.17931	25613
39.72569	-84.17927	25594
39.72569	-84.17932	24271
39.72568	-84.17932	24742
39.72568	-84.17932	23779
39.72567	-84.17933	24016
39.72567	-84.17933	23226
39.72566	-84.17933	24078
39.72566	-84.17934	22756
39.72567	-84.17934	23262

39.72472	-84.18025	19732
39.72472	-84.18025	19524
39.72472	-84.18025	19722
39.72472	-84.18025	18798
39.72471	-84.18025	19195
39.72471	-84.18025	20219
39.72472	-84.18025	19074
39.72472	-84.18024	18308
39.72474	-84.18023	22157
39.72474	-84.18020	21296
39.72474	-84.18020	21089
39.72477	-84.18021	21386
39.72478	-84.18019	21549
39.72479	-84.18018	21686
39.72481	-84.18018	21282
39.72482	-84.18017	20924
39.72483	-84.18015	19803
39.72484	-84.18013	20338
39.72485	-84.18013	20371
39.72487	-84.18012	21810
39.72488	-84.18011	21177
39.72490	-84.18010	22009
39.72491	-84.18009	22095
39.72493	-84.18007	21561
39.72494	-84.18007	20988
39.72495	-84.18006	22734
39.72496	-84.18006	22754
39.72497	-84.18005	21632
39.72497	-84.18004	21387
39.72497	-84.18004	19653
39.72496	-84.18004	21049
39.72495	-84.18005	22265
39.72494	-84.18006	21820
39.72494	-84.18006	21494
39.72492	-84.18007	21358
39.72491	-84.18008	20967
39.72490	-84.18009	20914
39.72489	-84.18010	21006
39.72488	-84.18011	20616
39.72486	-84.18012	21870

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72565	-84.17935	22406
39.72565	-84.17935	22125
39.72565	-84.17936	23578
39.72565	-84.17936	22717
39.72565	-84.17936	22238
39.72565	-84.17936	23642
39.72565	-84.17936	22339
39.72565	-84.17937	22860
39.72564	-84.17937	23365
39.72564	-84.17937	22563
39.72564	-84.17937	22586
39.72564	-84.17938	22894
39.72562	-84.17940	23199
39.72561	-84.17940	22263
39.72560	-84.17940	21270
39.72561	-84.17940	21415
39.72560	-84.17940	21917
39.72559	-84.17940	20892
39.72558	-84.17941	21571
39.72558	-84.17941	21271
39.72557	-84.17942	21664
39.72557	-84.17943	21053
39.72554	-84.17945	21253
39.72553	-84.17946	20269
39.72554	-84.17946	21378
39.72554	-84.17948	21870
39.72553	-84.17947	22121
39.72553	-84.17949	21909
39.72554	-84.17948	22453
39.72554	-84.17947	21764
39.72555	-84.17946	22969
39.72554	-84.17947	23290
39.72553	-84.17948	22602
39.72552	-84.17949	23512
39.72552	-84.17949	22082
39.72551	-84.17950	22841
39.72550	-84.17951	20677
39.72550	-84.17951	21815
39.72549	-84.17952	22357
39.72549	-84.17952	21306

39.72485	-84.18013	21886
39.72483	-84.18015	21938
39.72482	-84.18016	21168
39.72480	-84.18017	20949
39.72479	-84.18018	21666
39.72477	-84.18019	22070
39.72476	-84.18020	20826
39.72474	-84.18021	21172
39.72474	-84.18022	21353
39.72474	-84.18022	20993
39.72472	-84.18023	21869
39.72471	-84.18024	20195
39.72471	-84.18023	20739
39.72471	-84.18023	18487
39.72472	-84.18022	20038
39.72474	-84.18021	20819
39.72474	-84.18020	20672
39.72475	-84.18019	20497
39.72476	-84.18019	20537
39.72478	-84.18018	20943
39.72479	-84.18016	20661
39.72480	-84.18015	20606
39.72482	-84.18014	22103
39.72483	-84.18012	21295
39.72484	-84.18011	20843
39.72486	-84.18010	22075
39.72488	-84.18009	21983
39.72490	-84.18008	22089
39.72491	-84.18006	21193
39.72493	-84.18005	20735
39.72494	-84.18004	21326
39.72494	-84.18004	22544
39.72495	-84.18003	21963
39.72496	-84.18003	22189
39.72496	-84.18002	21060
39.72495	-84.18002	20924
39.72494	-84.18003	21839
39.72493	-84.18004	21542
39.72493	-84.18004	21623
39.72493	-84.18005	22782

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72548	-84.17953	21800
39.72548	-84.17953	21227
39.72548	-84.17953	19876
39.72547	-84.17954	19835
39.72545	-84.17956	18901
39.72546	-84.17955	19124
39.72542	-84.17962	20259
39.72543	-84.17958	19335
39.72543	-84.17962	19007
39.72546	-84.17959	19083
39.72544	-84.17961	18723
39.72547	-84.17958	18896
39.72548	-84.17957	17182
39.72549	-84.17957	16852
39.72550	-84.17956	18390
39.72551	-84.17955	18980
39.72552	-84.17955	18381
39.72553	-84.17954	18475
39.72554	-84.17954	18044
39.72555	-84.17953	17242
39.72555	-84.17953	17158
39.72556	-84.17953	17396
39.72555	-84.17956	18044
39.72556	-84.17954	17734
39.72557	-84.17953	16785
39.72557	-84.17952	17383
39.72558	-84.17951	18187
39.72558	-84.17950	17326
39.72558	-84.17950	18003
39.72558	-84.17950	16838
39.72558	-84.17949	17489
39.72559	-84.17948	16454
39.72560	-84.17947	16363
39.72560	-84.17946	16718
39.72560	-84.17945	16646
39.72561	-84.17944	16851
39.72561	-84.17943	19285
39.72561	-84.17943	21143
39.72559	-84.17944	21189
39.72558	-84.17943	20691

39.72492	-84.18005	21817
39.72491	-84.18006	21977
39.72489	-84.18007	20564
39.72488	-84.18009	21547
39.72486	-84.18010	21712
39.72485	-84.18011	20148
39.72484	-84.18012	21486
39.72482	-84.18013	21141
39.72481	-84.18014	20056
39.72479	-84.18015	20876
39.72478	-84.18016	21419
39.72477	-84.18018	21642
39.72475	-84.18019	20942
39.72474	-84.18020	21327
39.72473	-84.18021	20098
39.72472	-84.18021	21013
39.72472	-84.18022	20810
39.72471	-84.18022	19031
39.72471	-84.18022	19388
39.72471	-84.18021	19499
39.72472	-84.18020	19242
39.72473	-84.18019	20865
39.72474	-84.18019	21264
39.72475	-84.18017	21236
39.72477	-84.18016	19798
39.72478	-84.18014	20487
39.72480	-84.18013	20687
39.72482	-84.18012	20124
39.72483	-84.18010	20367
39.72484	-84.18009	20598
39.72486	-84.18008	19736
39.72488	-84.18007	20798
39.72489	-84.18006	19866
39.72491	-84.18004	19576
39.72492	-84.18003	21334
39.72493	-84.18003	23097
39.72494	-84.18003	21301
39.72495	-84.18002	21359
39.72495	-84.18001	22336
39.72495	-84.18000	21072

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72558	-84.17942	20365
39.72559	-84.17943	23102
39.72559	-84.17943	21228
39.72559	-84.17943	21734
39.72560	-84.17943	21457
39.72560	-84.17943	20420
39.72560	-84.17943	19920
39.72560	-84.17943	19088
39.72560	-84.17943	19108
39.72559	-84.17946	19972
39.72556	-84.17949	20541
39.72557	-84.17947	20457
39.72558	-84.17944	20627
39.72558	-84.17943	20315
39.72557	-84.17945	20569
39.72557	-84.17946	20520
39.72556	-84.17946	21264
39.72556	-84.17946	20529
39.72555	-84.17946	20823
39.72556	-84.17945	20431
39.72556	-84.17946	19804
39.72557	-84.17946	19058
39.72557	-84.17946	20508
39.72557	-84.17947	18784
39.72557	-84.17947	19341
39.72557	-84.17947	19007
39.72557	-84.17948	19564
39.72557	-84.17948	17296
39.72558	-84.17948	17383
39.72557	-84.17948	17519
39.72555	-84.17949	19522
39.72555	-84.17948	20144
39.72554	-84.17948	20938
39.72554	-84.17949	20403
39.72555	-84.17950	20270
39.72555	-84.17950	19173
39.72555	-84.17950	17496
39.72554	-84.17951	18558
39.72553	-84.17950	21406
39.72553	-84.17949	21831

39.72494	-84.18001	20960
39.72493	-84.18002	21991
39.72492	-84.18003	21305
39.72492	-84.18003	21584
39.72491	-84.18003	21893
39.72490	-84.18005	20646
39.72489	-84.18006	21615
39.72487	-84.18007	21960
39.72486	-84.18008	21584
39.72484	-84.18009	21665
39.72483	-84.18011	21351
39.72482	-84.18012	19663
39.72480	-84.18013	20486
39.72478	-84.18014	20846
39.72477	-84.18015	22172
39.72476	-84.18016	21639
39.72474	-84.18017	21294
39.72473	-84.18018	20798
39.72472	-84.18019	20627
39.72472	-84.18019	20761
39.72470	-84.18020	20830
39.72470	-84.18020	20964
39.72470	-84.18019	20675
39.72471	-84.18018	20180
39.72471	-84.18018	19768
39.72473	-84.18017	19175
39.72474	-84.18016	20886
39.72476	-84.18015	20324
39.72476	-84.18014	20686
39.72476	-84.18014	20688
39.72476	-84.18014	21066
39.72476	-84.18014	21273
39.72476	-84.18014	21108
39.72476	-84.18014	21410
39.72476	-84.18014	20088
39.72476	-84.18014	20878
39.72476	-84.18014	22589
39.72476	-84.18014	21007
39.72476	-84.18014	20959
39.72476	-84.18014	20961

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72554	-84.17949	20132
39.72555	-84.17950	20913
39.72555	-84.17951	20654
39.72556	-84.17951	19620
39.72557	-84.17951	18107
39.72556	-84.17952	17965
39.72556	-84.17952	17917
39.72556	-84.17952	19912
39.72556	-84.17952	21910
39.72556	-84.17952	20921
39.72556	-84.17952	21267
39.72556	-84.17952	20786
39.72556	-84.17952	21143
39.72555	-84.17952	21450
39.72555	-84.17952	21563
39.72555	-84.17951	22758
39.72555	-84.17951	22614
39.72555	-84.17951	21816
39.72555	-84.17951	21930
39.72555	-84.17951	21411
39.72555	-84.17951	21224
39.72555	-84.17951	20570
39.72555	-84.17951	21437
39.72555	-84.17951	21977
39.72555	-84.17951	21821
39.72555	-84.17951	21821
39.72555	-84.17951	20880
39.72555	-84.17951	21548
39.72554	-84.17951	21272
39.72555	-84.17953	20023
39.72556	-84.17953	18091
39.72555	-84.17953	17708
39.72554	-84.17952	19308
39.72554	-84.17952	20200
39.72554	-84.17952	22016
39.72554	-84.17952	21163
39.72554	-84.17952	20836
39.72554	-84.17952	21674
39.72554	-84.17952	22242
39.72554	-84.17953	21982

39.72476	-84.18014	21530
39.72476	-84.18014	21699
39.72476	-84.18014	20358
39.72476	-84.18014	21428
39.72476	-84.18014	20966
39.72476	-84.18014	20313
39.72476	-84.18014	21040
39.72476	-84.18014	20792
39.72476	-84.18014	20613
39.72476	-84.18014	20137
39.72476	-84.18014	21228
39.72476	-84.18014	21771
39.72476	-84.18014	21784
39.72476	-84.18014	21703
39.72476	-84.18014	21778
39.72476	-84.18014	20836
39.72476	-84.18014	21118
39.72476	-84.18014	21268
39.72476	-84.18014	23081
39.72476	-84.18014	23024
39.72476	-84.18014	21656
39.72476	-84.18014	19879
39.72477	-84.18014	20591
39.72478	-84.18012	21220
39.72480	-84.18011	20415
39.72481	-84.18010	22107
39.72481	-84.18008	21308
39.72483	-84.18007	20393
39.72485	-84.18005	19449
39.72487	-84.18004	20739
39.72489	-84.18003	21258
39.72490	-84.18002	21663
39.72492	-84.18001	21090
39.72493	-84.18000	21424
39.72494	-84.17999	21509
39.72494	-84.17998	22336
39.72494	-84.17998	21117
39.72493	-84.17999	22179
39.72491	-84.18000	20596
39.72491	-84.18001	21230

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72555	-84.17953	20103
39.72555	-84.17954	18951
39.72555	-84.17954	16889
39.72555	-84.17954	16407
39.72555	-84.17954	17547
39.72554	-84.17954	18416
39.72554	-84.17954	19837
39.72553	-84.17954	20350
39.72553	-84.17953	21588
39.72553	-84.17953	22830
39.72552	-84.17953	22783
39.72553	-84.17953	22745
39.72554	-84.17953	21398
39.72554	-84.17954	19695
39.72554	-84.17955	18348
39.72553	-84.17955	16024
39.72554	-84.17956	16089
39.72554	-84.17956	16704
39.72554	-84.17956	17457
39.72553	-84.17956	19625
39.72551	-84.17957	20774
39.72551	-84.17956	21603
39.72552	-84.17955	21659
39.72551	-84.17955	21867
39.72550	-84.17955	23426
39.72552	-84.17952	22782
39.72552	-84.17953	23044
39.72550	-84.17955	22188
39.72548	-84.17957	21188
39.72549	-84.17958	21752
39.72549	-84.17958	20895
39.72549	-84.17958	20138
39.72549	-84.17958	18363
39.72549	-84.17958	17045
39.72549	-84.17958	16523
39.72548	-84.17958	18047
39.72548	-84.17957	19128
39.72548	-84.17957	21159
39.72549	-84.17957	22671
39.72550	-84.17955	22599

39.72491	-84.18001	21705
39.72490	-84.18002	20994
39.72488	-84.18003	21246
39.72487	-84.18004	19359
39.72485	-84.18005	19077
39.72484	-84.18006	18877
39.72483	-84.18007	19027
39.72481	-84.18009	19545
39.72480	-84.18010	19433
39.72478	-84.18011	20003
39.72477	-84.18012	20666
39.72476	-84.18014	21201
39.72474	-84.18015	21493
39.72472	-84.18016	21198
39.72470	-84.18017	20930
39.72471	-84.18017	20351
39.72470	-84.18018	19642
39.72470	-84.18018	21199
39.72469	-84.18017	20952
39.72470	-84.18016	19354
39.72471	-84.18015	20344
39.72471	-84.18015	19920
39.72473	-84.18014	21005
39.72474	-84.18013	20053
39.72476	-84.18012	20247
39.72477	-84.18011	21659
39.72478	-84.18009	21340
39.72479	-84.18008	20264
39.72481	-84.18007	21341
39.72482	-84.18006	19961
39.72484	-84.18005	20670
39.72485	-84.18004	20228
39.72486	-84.18002	19137
39.72488	-84.18001	19060
39.72489	-84.18000	20164
39.72491	-84.18000	20179
39.72492	-84.17999	19956
39.72493	-84.17998	20122
39.72493	-84.17997	20857
39.72493	-84.17996	21558

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72550	-84.17956	22183
39.72550	-84.17956	22607
39.72550	-84.17956	21090
39.72549	-84.17957	20068
39.72549	-84.17957	18088
39.72550	-84.17957	17750
39.72549	-84.17958	18029
39.72548	-84.17959	19359
39.72546	-84.17960	19741
39.72545	-84.17961	18145
39.72544	-84.17962	18641
39.72543	-84.17963	17985
39.72541	-84.17962	20255
39.72545	-84.17958	19909
39.72543	-84.17960	19317
39.72547	-84.17956	18656
39.72545	-84.17958	19418
39.72546	-84.17958	20021
39.72546	-84.17958	21088
39.72547	-84.17957	21088
39.72547	-84.17957	21794
39.72548	-84.17956	20771
39.72549	-84.17956	21255
39.72549	-84.17955	20538
39.72550	-84.17954	19723
39.72549	-84.17955	20026
39.72548	-84.17957	20102
39.72545	-84.17960	20331
39.72543	-84.17960	19305
39.72544	-84.17958	19931
39.72545	-84.17958	18586
39.72545	-84.17958	18087
39.72546	-84.17957	17773
39.72546	-84.17957	19564
39.72546	-84.17956	21500
39.72546	-84.17957	21024
39.72546	-84.17957	19826
39.72546	-84.17956	20497
39.72547	-84.17956	21792
39.72547	-84.17956	22400

39.72492	-84.17997	22542
39.72491	-84.17998	21440
39.72490	-84.17999	21446
39.72489	-84.18000	20687
39.72488	-84.18000	20795
39.72487	-84.18001	19575
39.72486	-84.18002	19791
39.72485	-84.18003	20272
39.72484	-84.18004	19324
39.72483	-84.18005	19260
39.72481	-84.18006	21357
39.72480	-84.18007	21213
39.72478	-84.18008	20093
39.72477	-84.18009	21027
39.72476	-84.18011	20914
39.72475	-84.18012	20279
39.72473	-84.18013	20308
39.72472	-84.18014	21319
39.72471	-84.18015	21249
39.72470	-84.18016	21047
39.72469	-84.18016	19983
39.72469	-84.18017	19312
39.72468	-84.18017	21231
39.72468	-84.18016	22975
39.72469	-84.18014	22566
39.72470	-84.18014	21591
39.72471	-84.18013	21228
39.72473	-84.18012	20496
39.72474	-84.18011	20390
39.72475	-84.18010	21368
39.72477	-84.18008	19965
39.72479	-84.18007	20522
39.72480	-84.18006	20822
39.72482	-84.18005	22379
39.72483	-84.18003	21157
39.72485	-84.18002	20188
39.72486	-84.18001	19859
39.72487	-84.18000	20697
39.72489	-84.17999	19142
39.72490	-84.17998	20566

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72547	-84.17955	23193
39.72548	-84.17955	22126
39.72548	-84.17955	21961
39.72548	-84.17955	22304
39.72549	-84.17955	22497
39.72549	-84.17955	23410
39.72549	-84.17955	21962
39.72550	-84.17955	21775
39.72549	-84.17955	20274
39.72549	-84.17956	21499
39.72549	-84.17956	21749
39.72549	-84.17955	22039
39.72549	-84.17955	22264
39.72549	-84.17954	21147
39.72549	-84.17954	22153
39.72550	-84.17954	21821
39.72550	-84.17953	22225
39.72550	-84.17953	23467
39.72550	-84.17953	22903
39.72550	-84.17952	22038
39.72550	-84.17952	21592
39.72549	-84.17953	21613
39.72549	-84.17953	20668
39.72549	-84.17953	22976
39.72549	-84.17953	22189
39.72548	-84.17953	22681
39.72548	-84.17953	21573
39.72548	-84.17953	22282
39.72548	-84.17953	22554
39.72548	-84.17953	23403
39.72549	-84.17951	22492
39.72550	-84.17951	22354
39.72550	-84.17951	22862
39.72550	-84.17951	23181
39.72550	-84.17951	22226
39.72551	-84.17951	22313
39.72551	-84.17950	22433
39.72552	-84.17950	22418
39.72552	-84.17949	23511
39.72552	-84.17949	21603

39.72491	-84.17997	19942
39.72492	-84.17996	20710
39.72492	-84.17996	20380
39.72492	-84.17995	20304
39.72492	-84.17995	21252
39.72491	-84.17996	20771
39.72490	-84.17997	21645
39.72489	-84.17997	20564
39.72489	-84.17997	20450
39.72489	-84.17998	19873
39.72488	-84.17999	19400
39.72487	-84.18000	18619
39.72485	-84.18001	18694
39.72484	-84.18002	19133
39.72483	-84.18003	20040
39.72481	-84.18004	20156
39.72480	-84.18005	21122
39.72478	-84.18006	22064
39.72477	-84.18008	20945
39.72476	-84.18009	21179
39.72474	-84.18010	21484
39.72473	-84.18011	20827
39.72472	-84.18012	20569
39.72470	-84.18013	20687
39.72469	-84.18014	21275
39.72468	-84.18015	21152
39.72467	-84.18016	21752
39.72466	-84.18015	21299
39.72467	-84.18014	20658
39.72468	-84.18013	20974
39.72469	-84.18012	21443
39.72470	-84.18012	21287
39.72471	-84.18010	21708
39.72473	-84.18009	21594
39.72474	-84.18008	21764
39.72476	-84.18007	20387
39.72477	-84.18006	21240
39.72479	-84.18005	20635
39.72480	-84.18003	21551
39.72482	-84.18002	19944

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72552	-84.17949	21368
39.72553	-84.17948	21487
39.72553	-84.17948	22636
39.72554	-84.17948	22198
39.72554	-84.17947	20775
39.72555	-84.17947	22047
39.72555	-84.17946	20545
39.72556	-84.17946	20545
39.72556	-84.17946	20252
39.72555	-84.17947	20847
39.72557	-84.17944	20928
39.72557	-84.17943	20827
39.72557	-84.17941	21351
39.72558	-84.17939	21625
39.72559	-84.17939	20549
39.72560	-84.17939	20653
39.72560	-84.17939	20753
39.72561	-84.17939	20208
39.72562	-84.17938	21035
39.72563	-84.17938	21243
39.72563	-84.17938	20817
39.72563	-84.17937	21219
39.72564	-84.17937	21853
39.72564	-84.17936	22565
39.72564	-84.17937	22507
39.72563	-84.17937	21230
39.72564	-84.17935	22703
39.72564	-84.17935	23853
39.72564	-84.17936	23658
39.72564	-84.17935	23417
39.72564	-84.17935	23828
39.72564	-84.17935	24097
39.72564	-84.17935	24338
39.72565	-84.17936	22726
39.72565	-84.17936	23799
39.72565	-84.17937	24559
39.72565	-84.17938	22611
39.72565	-84.17938	22686
39.72566	-84.17939	20864
39.72566	-84.17940	21573

39.72483	-84.18001	20941
39.72484	-84.18000	21535
39.72486	-84.17999	20869
39.72487	-84.17998	19754
39.72489	-84.17997	19522
39.72490	-84.17995	19631
39.72491	-84.17995	19541
39.72491	-84.17994	20821
39.72491	-84.17994	21039
39.72491	-84.17993	20998
39.72490	-84.17994	20227
39.72489	-84.17995	19589
39.72489	-84.17995	20142
39.72488	-84.17996	21055
39.72488	-84.17996	21384
39.72487	-84.17997	21056
39.72486	-84.17998	20755
39.72485	-84.17999	19997
39.72483	-84.18000	20615
39.72482	-84.18001	20317
39.72480	-84.18002	20373
39.72478	-84.18004	18882
39.72477	-84.18005	18873
39.72475	-84.18006	20383
39.72473	-84.18008	20864
39.72472	-84.18009	20899
39.72471	-84.18010	20298
39.72470	-84.18011	20758
39.72468	-84.18012	20501
39.72468	-84.18012	19159
39.72467	-84.18012	21117
39.72467	-84.18013	20394
39.72466	-84.18014	20750
39.72465	-84.18014	21857
39.72465	-84.18013	20457
39.72466	-84.18012	20121
39.72468	-84.18011	19668
39.72468	-84.18010	20044
39.72469	-84.18010	21215
39.72471	-84.18008	20714

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72566	-84.17940	22202
39.72566	-84.17941	22515
39.72567	-84.17942	22592
39.72567	-84.17942	22577
39.72567	-84.17943	21418
39.72567	-84.17944	21144
39.72568	-84.17944	20586
39.72568	-84.17942	21318
39.72569	-84.17941	22467
39.72569	-84.17941	22093
39.72569	-84.17942	21810
39.72569	-84.17942	21174
39.72569	-84.17942	21827
39.72569	-84.17941	22434
39.72569	-84.17941	21685
39.72570	-84.17940	21308
39.72570	-84.17939	21907
39.72570	-84.17938	22612
39.72570	-84.17937	21382
39.72568	-84.17939	21081
39.72569	-84.17939	20903
39.72569	-84.17939	21861
39.72569	-84.17938	21223
39.72569	-84.17938	21191
39.72569	-84.17937	21924
39.72569	-84.17937	23506
39.72569	-84.17936	22996
39.72569	-84.17936	22373
39.72567	-84.17937	20637
39.72567	-84.17936	21618
39.72568	-84.17935	20456
39.72569	-84.17933	20517
39.72569	-84.17933	21950
39.72569	-84.17933	19553
39.72569	-84.17932	20766
39.72569	-84.17931	22989
39.72569	-84.17931	22353
39.72569	-84.17931	24882
39.72569	-84.17931	23665
39.72569	-84.17932	24562

39.72472	-84.18007	21665
39.72474	-84.18006	21164
39.72476	-84.18005	20788
39.72476	-84.18004	19363
39.72476	-84.18004	18978
39.72482	-84.17999	21684
39.72482	-84.17999	20243
39.72482	-84.17999	19017
39.72483	-84.17998	19116
39.72484	-84.17997	19878
39.72484	-84.17996	19784
39.72485	-84.17995	20139
39.72487	-84.17994	20538
39.72488	-84.17994	21661
39.72488	-84.17994	21150
39.72487	-84.17994	20805
39.72487	-84.17993	21337
39.72487	-84.17993	20374
39.72487	-84.17993	19402
39.72487	-84.17993	19097
39.72487	-84.17994	20056
39.72487	-84.17994	20164
39.72487	-84.17994	19998
39.72487	-84.17994	20562
39.72486	-84.17994	19882
39.72485	-84.17995	19713
39.72483	-84.17997	19583
39.72481	-84.17999	19406
39.72481	-84.17999	19139
39.72478	-84.18001	19788
39.72475	-84.18004	19793
39.72475	-84.18004	19208
39.72473	-84.18006	19679
39.72471	-84.18007	19831
39.72470	-84.18008	18625
39.72468	-84.18010	20565
39.72467	-84.18011	21277
39.72466	-84.18011	21561
39.72465	-84.18012	20227
39.72465	-84.18012	18985

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72569	-84.17932	23725
39.72569	-84.17932	22413
39.72569	-84.17932	21484
39.72569	-84.17932	22611
39.72569	-84.17932	23153
39.72569	-84.17932	23189
39.72569	-84.17932	23232
39.72569	-84.17933	23742
39.72569	-84.17933	23025
39.72569	-84.17933	23558
39.72569	-84.17933	22821
39.72569	-84.17933	22649
39.72569	-84.17933	22238
39.72569	-84.17933	23108
39.72569	-84.17934	23439
39.72569	-84.17934	23268
39.72569	-84.17934	23128
39.72569	-84.17934	22492
39.72569	-84.17934	22617
39.72569	-84.17934	22263
39.72569	-84.17934	22076
39.72569	-84.17934	21905
39.72569	-84.17935	21465
39.72569	-84.17935	21721
39.72569	-84.17935	21753
39.72568	-84.17936	22443
39.72566	-84.17937	21578
39.72568	-84.17937	23066
39.72568	-84.17937	21628
39.72568	-84.17938	21840
39.72568	-84.17938	21863
39.72568	-84.17938	20498
39.72569	-84.17938	20623
39.72568	-84.17939	21735
39.72568	-84.17939	21636
39.72568	-84.17939	21553
39.72568	-84.17939	21582
39.72568	-84.17939	21271
39.72568	-84.17939	21147
39.72568	-84.17939	21414

39.72465	-84.18011	19632
39.72466	-84.18010	19487
39.72467	-84.18009	20209
39.72468	-84.18009	20037
39.72468	-84.18009	20764
39.72469	-84.18008	21735
39.72470	-84.18007	21847
39.72470	-84.18007	21892
39.72466	-84.18009	21890
39.72466	-84.18009	22327
39.72466	-84.18009	21937
39.72465	-84.18010	20606
39.72465	-84.18010	20694
39.72486	-84.17994	21000
39.72486	-84.17994	21176
39.72486	-84.17994	19650
39.72487	-84.17993	20000
39.72487	-84.17993	19805
39.72487	-84.17993	20470
39.72487	-84.17992	20566
39.72487	-84.17992	21714
39.72487	-84.17991	21943
39.72486	-84.17992	20901
39.72485	-84.17993	20764
39.72484	-84.17995	19151
39.72483	-84.17996	19394
39.72482	-84.17996	18824
39.72482	-84.17996	19328
39.72483	-84.17995	19103
39.72484	-84.17994	21220
39.72486	-84.17993	20270
39.72487	-84.17992	20400
39.72487	-84.17992	18814
39.72486	-84.17992	20520
39.72485	-84.17992	21157
39.72485	-84.17992	20448
39.72486	-84.17991	20511
39.72487	-84.17990	20921
39.72486	-84.17991	21397
39.72485	-84.17991	20235

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72568	-84.17940	21022
39.72568	-84.17940	21425
39.72568	-84.17940	20972
39.72568	-84.17940	21600
39.72567	-84.17940	21686
39.72567	-84.17940	20338
39.72566	-84.17941	21070
39.72565	-84.17943	21418
39.72566	-84.17940	20831
39.72566	-84.17940	20200
39.72566	-84.17941	21520
39.72566	-84.17941	21674
39.72566	-84.17942	21891
39.72566	-84.17942	21479
39.72566	-84.17942	22381
39.72566	-84.17943	21780
39.72569	-84.17942	21660
39.72568	-84.17942	22076
39.72568	-84.17942	21261
39.72568	-84.17943	22193
39.72568	-84.17943	21280
39.72568	-84.17943	21241
39.72568	-84.17944	21964
39.72568	-84.17944	22215
39.72568	-84.17944	21837
39.72568	-84.17944	21693
39.72568	-84.17944	21883
39.72568	-84.17944	21536
39.72568	-84.17944	21417
39.72567	-84.17945	23586
39.72566	-84.17945	22564
39.72565	-84.17946	22363
39.72565	-84.17946	21571
39.72567	-84.17944	21514
39.72567	-84.17945	22116
39.72567	-84.17945	22986
39.72566	-84.17945	22104
39.72566	-84.17946	22497
39.72566	-84.17946	21390
39.72566	-84.17945	22452

39.72486	-84.17990	20799
39.72486	-84.17990	21305
39.72486	-84.17990	21233
39.72486	-84.17990	21825
39.72486	-84.17990	21370
39.72486	-84.17990	22108
39.72486	-84.17986	24024
39.72486	-84.17986	24835
39.72486	-84.17986	22612
39.72486	-84.17986	24287
39.72486	-84.17987	24748
39.72486	-84.17987	23717
39.72486	-84.17987	23336
39.72486	-84.17988	22924
39.72485	-84.17988	22829
39.72485	-84.17988	21120
39.72484	-84.17989	22428
39.72485	-84.17990	21138
39.72485	-84.17991	20862
39.72484	-84.17992	21321
39.72483	-84.17994	20539
39.72482	-84.17995	20711
39.72482	-84.17995	19697
39.72482	-84.17995	19674
39.72482	-84.17995	20277
39.72482	-84.17995	19248
39.72482	-84.17995	18747
39.72483	-84.17994	19612
39.72483	-84.17994	19615
39.72482	-84.17993	20329
39.72483	-84.17993	19715
39.72483	-84.17993	19822
39.72484	-84.17992	21021
39.72485	-84.17992	20733
39.72486	-84.17991	22546
39.72486	-84.17991	22695
39.72487	-84.17987	22519
39.72487	-84.17987	22924
39.72487	-84.17987	22404
39.72487	-84.17987	23044

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GAMMA SURVEY RESULTS

39.72565	-84.17947	20912
39.72566	-84.17943	21432
39.72566	-84.17943	20502
39.72567	-84.17942	21429
39.72567	-84.17941	22313
39.72567	-84.17943	20953
39.72568	-84.17940	22001
39.72568	-84.17940	22546
39.72568	-84.17938	21912
39.72569	-84.17936	22352
39.72569	-84.17936	20795
39.72569	-84.17936	21310
39.72569	-84.17937	21590
39.72569	-84.17937	21204
39.72569	-84.17937	22727
39.72569	-84.17937	23280
39.72569	-84.17937	23290
39.72568	-84.17937	22024
39.72569	-84.17938	21555
39.72569	-84.17938	21921
39.72568	-84.17939	21222
39.72568	-84.17940	20057
39.72568	-84.17941	20682
39.72567	-84.17941	22251
39.72567	-84.17942	21706
39.72567	-84.17942	20722
39.72566	-84.17943	21072
39.72566	-84.17943	21179
39.72566	-84.17944	22153
39.72565	-84.17945	21642
39.72564	-84.17946	21677
39.72564	-84.17947	22683
39.72563	-84.17948	21503
39.72563	-84.17948	19295
39.72563	-84.17947	19037
39.72563	-84.17946	21745
39.72563	-84.17945	21077
39.72563	-84.17945	20197
39.72562	-84.17946	21479
39.72562	-84.17946	19666

39.72487	-84.17987	22318
39.72486	-84.17988	22457
39.72486	-84.17988	22099
39.72487	-84.17987	22220
39.72487	-84.17988	21988
39.72487	-84.17987	21798
39.72487	-84.17987	23239
39.72487	-84.17987	21794
39.72486	-84.17988	21933
39.72486	-84.17988	23131
39.72486	-84.17988	22988
39.72487	-84.17988	23510
39.72487	-84.17988	20323
39.72486	-84.17989	21337
39.72487	-84.17989	21698
39.72487	-84.17989	21659
39.72488	-84.17988	21574
39.72488	-84.17988	20420
39.72487	-84.17990	20221
39.72487	-84.17990	20107
39.72487	-84.17990	20739
39.72488	-84.17990	20990
39.72489	-84.17989	20119
39.72489	-84.17989	20516
39.72488	-84.17990	20412
39.72488	-84.17990	19949
39.72488	-84.17990	19482
39.72488	-84.17990	19036
39.72488	-84.17990	19654
39.72488	-84.17991	20456
39.72488	-84.17991	19608
39.72488	-84.17991	19695
39.72489	-84.17991	19317
39.72489	-84.17991	20313
39.72489	-84.17991	20289
39.72489	-84.17991	20340
39.72488	-84.17991	19296
39.72488	-84.17992	20028
39.72487	-84.17992	21431
39.72487	-84.17993	20031

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72562	-84.17945	18855
39.72563	-84.17944	20946
39.72564	-84.17943	21352
39.72564	-84.17942	22293
39.72563	-84.17941	21084
39.72564	-84.17939	21198
39.72564	-84.17938	19484
39.72564	-84.17938	21463
39.72563	-84.17938	22406
39.72563	-84.17938	22155
39.72563	-84.17938	21917
39.72564	-84.17936	21621
39.72563	-84.17937	22606
39.72563	-84.17937	22840
39.72563	-84.17937	24583
39.72562	-84.17937	23742
39.72562	-84.17938	24008
39.72561	-84.17938	24406
39.72561	-84.17938	24866
39.72560	-84.17938	23115
39.72560	-84.17939	23446
39.72559	-84.17939	22703
39.72559	-84.17939	22189
39.72558	-84.17939	22289
39.72558	-84.17940	21848
39.72557	-84.17940	22255
39.72557	-84.17941	21091
39.72557	-84.17943	21186
39.72557	-84.17945	20750
39.72555	-84.17947	18472
39.72555	-84.17948	18282
39.72556	-84.17948	16738
39.72557	-84.17947	16717
39.72557	-84.17948	15767
39.72559	-84.17947	15192
39.72559	-84.17948	16349
39.72560	-84.17948	15271
39.72561	-84.17949	16152
39.72562	-84.17949	16117
39.72562	-84.17950	16621

39.72488	-84.17993	19987
39.72488	-84.17993	20665
39.72488	-84.17993	20649
39.72487	-84.17994	20872
39.72487	-84.17994	20020
39.72486	-84.17994	20375
39.72486	-84.17994	20465
39.72486	-84.17995	20865
39.72486	-84.17995	21086
39.72486	-84.17995	20362
39.72486	-84.17995	19999
39.72486	-84.17995	20284
39.72486	-84.17995	19855
39.72487	-84.17994	20862
39.72488	-84.17994	21143
39.72489	-84.17994	20878
39.72489	-84.17993	20087
39.72489	-84.17993	20740
39.72488	-84.17995	19771
39.72488	-84.17995	19336
39.72488	-84.17995	19645
39.72488	-84.17995	19856
39.72489	-84.17995	19379
39.72489	-84.17995	19961
39.72489	-84.17995	20150
39.72489	-84.17995	20238
39.72488	-84.17995	21101
39.72488	-84.17995	20641
39.72488	-84.17995	19338
39.72487	-84.17995	20631
39.72487	-84.17996	19199
39.72485	-84.17996	18926
39.72484	-84.17997	18846
39.72483	-84.17996	19615
39.72483	-84.17996	19560
39.72483	-84.17996	20197
39.72450	-84.17988	15991
39.72450	-84.17988	16915
39.72451	-84.17988	16210
39.72451	-84.17989	15398

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72562	-84.17948	16781
39.72562	-84.17947	16012
39.72561	-84.17948	17843
39.72564	-84.17949	17373
39.72564	-84.17949	17102
39.72562	-84.17950	17218
39.72563	-84.17949	16808
39.72561	-84.17949	16370
39.72561	-84.17948	16489
39.72560	-84.17948	15127
39.72559	-84.17948	14781
39.72558	-84.17948	15725
39.72557	-84.17949	16049
39.72557	-84.17949	16280
39.72558	-84.17950	15577
39.72558	-84.17950	14784
39.72560	-84.17950	15392
39.72561	-84.17950	14432
39.72562	-84.17950	14830
39.72561	-84.17951	15921
39.72562	-84.17951	16938
39.72563	-84.17951	16957
39.72564	-84.17951	17321
39.72565	-84.17951	17989
39.72566	-84.17950	17677
39.72564	-84.17952	17928
39.72565	-84.17950	17485
39.72563	-84.17951	16269
39.72561	-84.17952	16490
39.72563	-84.17950	14913
39.72560	-84.17952	14319
39.72560	-84.17951	14365
39.72559	-84.17950	14792
39.72557	-84.17950	15073
39.72557	-84.17950	15387
39.72556	-84.17950	16397
39.72556	-84.17951	16735
39.72557	-84.17951	14891
39.72558	-84.17951	16328
39.72558	-84.17952	16730

39.72451	-84.17989	14726
39.72404	-84.18032	14572
39.72404	-84.18032	14890
39.72404	-84.18032	13875
39.72404	-84.18032	14512
39.72404	-84.18032	14105
39.72404	-84.18032	14263
39.72404	-84.18032	14852
39.72404	-84.18032	15028
39.72404	-84.18032	13854
39.72404	-84.18032	13676
39.72404	-84.18032	15712
39.72403	-84.18033	17949
39.72404	-84.18033	19178
39.72404	-84.18032	19469
39.72404	-84.18032	20078
39.72404	-84.18032	20012
39.72404	-84.18033	20020
39.72403	-84.18033	19573
39.72403	-84.18034	21783
39.72402	-84.18035	20729
39.72401	-84.18036	20671
39.72401	-84.18036	22330
39.72400	-84.18037	21323
39.72399	-84.18038	19157
39.72398	-84.18039	17307
39.72398	-84.18039	18086
39.72398	-84.18040	18752
39.72397	-84.18041	17948
39.72396	-84.18042	16094
39.72396	-84.18043	18007
39.72395	-84.18044	17982
39.72394	-84.18045	17974
39.72393	-84.18046	19048
39.72392	-84.18047	18143
39.72392	-84.18048	17686
39.72392	-84.18048	18104
39.72391	-84.18048	17977
39.72390	-84.18050	18837
39.72389	-84.18052	18131

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72561	-84.17951	15916
39.72560	-84.17952	16864
39.72561	-84.17953	14873
39.72562	-84.17953	16788
39.72563	-84.17953	16499
39.72564	-84.17953	17168
39.72565	-84.17953	17384
39.72565	-84.17952	18353
39.72565	-84.17952	16466
39.72564	-84.17951	17387
39.72562	-84.17952	16796
39.72561	-84.17952	16025
39.72560	-84.17953	16168
39.72559	-84.17953	15441
39.72561	-84.17950	14950
39.72558	-84.17951	15126
39.72557	-84.17951	14479
39.72557	-84.17951	16228
39.72556	-84.17951	16187
39.72556	-84.17951	16422
39.72556	-84.17951	17163
39.72556	-84.17951	16523
39.72557	-84.17951	15847
39.72557	-84.17952	15210
39.72557	-84.17952	14493
39.72558	-84.17952	16213
39.72559	-84.17953	15540
39.72560	-84.17953	15510
39.72559	-84.17955	15063
39.72561	-84.17954	15169
39.72562	-84.17954	15712
39.72563	-84.17955	16270
39.72563	-84.17955	17457
39.72562	-84.17955	16409
39.72562	-84.17955	17274
39.72562	-84.17955	16846
39.72562	-84.17956	18408
39.72562	-84.17955	17653
39.72562	-84.17955	17618
39.72562	-84.17954	16879

39.72389	-84.18053	17866
39.72388	-84.18054	18457
39.72388	-84.18055	18283
39.72387	-84.18056	18299
39.72386	-84.18058	18979
39.72385	-84.18059	17967
39.72385	-84.18060	18494
39.72384	-84.18062	18221
39.72383	-84.18063	17895
39.72383	-84.18065	18128
39.72383	-84.18066	18137
39.72381	-84.18068	18613
39.72381	-84.18069	16843
39.72381	-84.18070	15708
39.72381	-84.18069	15739
39.72382	-84.18068	17669
39.72382	-84.18067	20506
39.72382	-84.18067	20090
39.72382	-84.18067	18869
39.72384	-84.18066	18320
39.72384	-84.18066	19582
39.72384	-84.18066	19578
39.72384	-84.18066	20299
39.72384	-84.18066	20801
39.72389	-84.18055	21873
39.72389	-84.18055	21582
39.72390	-84.18054	19979
39.72391	-84.18053	20106
39.72392	-84.18051	21005
39.72392	-84.18050	21152
39.72393	-84.18050	21665
39.72393	-84.18049	21580
39.72393	-84.18048	21865
39.72393	-84.18046	22484
39.72393	-84.18047	21571
39.72393	-84.18047	21550
39.72395	-84.18044	21463
39.72397	-84.18042	21861
39.72397	-84.18042	21527
39.72399	-84.18041	22173

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72561	-84.17955	16324
39.72560	-84.17955	15896
39.72559	-84.17954	15843
39.72559	-84.17954	16461
39.72558	-84.17954	15953
39.72559	-84.17952	16641
39.72559	-84.17952	17046
39.72558	-84.17952	16975
39.72558	-84.17953	16657
39.72557	-84.17953	15561
39.72558	-84.17953	15084
39.72558	-84.17954	15746
39.72559	-84.17953	16063
39.72560	-84.17954	15125
39.72558	-84.17956	15350
39.72560	-84.17955	16248
39.72559	-84.17957	16610
39.72559	-84.17958	15548
39.72559	-84.17959	16141
39.72559	-84.17958	16651
39.72559	-84.17958	17432
39.72560	-84.17957	17034
39.72560	-84.17957	17479
39.72560	-84.17957	16858
39.72561	-84.17956	17666
39.72561	-84.17956	18626
39.72561	-84.17955	18437
39.72561	-84.17955	17830
39.72562	-84.17954	17785
39.72562	-84.17954	17760
39.72561	-84.17954	17610
39.72561	-84.17954	17951
39.72560	-84.17954	17572
39.72558	-84.17956	16250
39.72557	-84.17956	15579
39.72557	-84.17954	16317
39.72557	-84.17955	15779
39.72557	-84.17954	15862
39.72557	-84.17954	16029
39.72557	-84.17955	15563

39.72400	-84.18040	21920
39.72401	-84.18039	22503
39.72402	-84.18037	22150
39.72403	-84.18036	22730
39.72403	-84.18035	23772
39.72403	-84.18035	22617
39.72404	-84.18035	21950
39.72404	-84.18034	21902
39.72404	-84.18034	21659
39.72404	-84.18034	23078
39.72404	-84.18035	22608
39.72403	-84.18036	21001
39.72403	-84.18036	21111
39.72402	-84.18037	22818
39.72401	-84.18038	23456
39.72401	-84.18039	23027
39.72400	-84.18040	22095
39.72399	-84.18041	21917
39.72398	-84.18043	22566
39.72397	-84.18044	20507
39.72396	-84.18045	20970
39.72396	-84.18046	21432
39.72396	-84.18046	21831
39.72395	-84.18047	22131
39.72395	-84.18048	21659
39.72394	-84.18049	21518
39.72393	-84.18050	23284
39.72392	-84.18052	24048
39.72392	-84.18052	24291
39.72392	-84.18052	22327
39.72387	-84.18060	23555
39.72387	-84.18060	23278
39.72387	-84.18060	23039
39.72387	-84.18060	21745
39.72386	-84.18062	21548
39.72385	-84.18064	23062
39.72385	-84.18064	21700
39.72385	-84.18064	19983
39.72385	-84.18065	20261
39.72384	-84.18065	20271

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72557	-84.17955	16522
39.72557	-84.17955	16819
39.72557	-84.17955	16485
39.72557	-84.17955	15688
39.72557	-84.17955	16350
39.72557	-84.17956	17035
39.72558	-84.17956	15869
39.72558	-84.17956	16012
39.72559	-84.17957	17354
39.72559	-84.17957	16526
39.72559	-84.17957	16456
39.72559	-84.17957	17293
39.72559	-84.17957	17212
39.72559	-84.17957	17147
39.72559	-84.17957	17412
39.72558	-84.17957	17242
39.72558	-84.17958	17073
39.72557	-84.17958	16536
39.72557	-84.17956	16153
39.72557	-84.17956	16525
39.72557	-84.17957	16333
39.72556	-84.17957	15971
39.72553	-84.17960	15919
39.72553	-84.17960	15520
39.72553	-84.17960	15772
39.72554	-84.17959	15332
39.72553	-84.17960	15585
39.72553	-84.17960	16457
39.72553	-84.17960	16128
39.72552	-84.17961	16023
39.72552	-84.17961	16482
39.72552	-84.17961	16676
39.72551	-84.17961	15948
39.72551	-84.17962	16110
39.72551	-84.17962	16787
39.72550	-84.17962	16005
39.72550	-84.17963	15649
39.72549	-84.17963	16629
39.72549	-84.17963	16769
39.72549	-84.17964	15911

39.72384	-84.18067	19128
39.72383	-84.18069	18771
39.72383	-84.18070	20355
39.72383	-84.18070	19001
39.72384	-84.18068	20345
39.72384	-84.18067	20572
39.72385	-84.18066	19319
39.72386	-84.18065	21457
39.72386	-84.18064	22078
39.72386	-84.18064	23456
39.72386	-84.18064	21777
39.72390	-84.18056	21582
39.72390	-84.18056	22579
39.72390	-84.18055	24638
39.72390	-84.18055	24210
39.72390	-84.18055	23249
39.72390	-84.18055	21717
39.72391	-84.18055	22847
39.72391	-84.18055	23600
39.72391	-84.18055	23664
39.72392	-84.18052	22367
39.72392	-84.18052	21972
39.72393	-84.18051	22303
39.72394	-84.18050	23308
39.72394	-84.18049	23790
39.72394	-84.18048	23084
39.72395	-84.18047	22989
39.72396	-84.18045	21922
39.72398	-84.18044	21612
39.72399	-84.18042	21631
39.72399	-84.18042	22863
39.72400	-84.18041	23719
39.72401	-84.18040	22160
39.72402	-84.18038	21733
39.72402	-84.18037	21076
39.72403	-84.18037	21120
39.72403	-84.18036	22840
39.72404	-84.18036	22504
39.72404	-84.18035	21417
39.72404	-84.18036	21394

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72548	-84.17964	15731
39.72548	-84.17964	16291
39.72548	-84.17963	16263
39.72549	-84.17962	16847
39.72549	-84.17962	16461
39.72550	-84.17962	16399
39.72550	-84.17962	16155
39.72551	-84.17962	17362
39.72552	-84.17961	16171
39.72552	-84.17961	16316
39.72551	-84.17961	16384
39.72552	-84.17961	16113
39.72552	-84.17960	17628
39.72553	-84.17960	16306
39.72553	-84.17960	16987
39.72554	-84.17960	17160
39.72555	-84.17959	15773
39.72557	-84.17958	16317
39.72557	-84.17957	17230
39.72556	-84.17957	16470
39.72556	-84.17957	16299
39.72554	-84.17958	15922
39.72553	-84.17958	16911
39.72553	-84.17961	16405
39.72554	-84.17959	15293
39.72553	-84.17960	16596
39.72552	-84.17961	16083
39.72552	-84.17961	14942
39.72551	-84.17962	14877
39.72551	-84.17962	14922
39.72552	-84.17961	16000
39.72551	-84.17961	16822
39.72550	-84.17962	16768
39.72550	-84.17963	15409
39.72550	-84.17963	15041
39.72550	-84.17963	14756
39.72549	-84.17963	14681
39.72549	-84.17963	14788
39.72548	-84.17963	15522
39.72547	-84.17964	15561

39.72403	-84.18037	22284
39.72402	-84.18038	21753
39.72401	-84.18040	20875
39.72399	-84.18042	20752
39.72399	-84.18042	21800
39.72399	-84.18042	20234
39.72396	-84.18047	21586
39.72396	-84.18047	23000
39.72396	-84.18047	22233
39.72396	-84.18047	21677
39.72394	-84.18049	20071
39.72393	-84.18050	21842
39.72393	-84.18051	22400
39.72392	-84.18051	22269
39.72392	-84.18052	23379
39.72392	-84.18052	22566
39.72392	-84.18052	22655
39.72387	-84.18058	21476
39.72387	-84.18058	22274
39.72387	-84.18058	22697
39.72387	-84.18058	21558
39.72387	-84.18058	22289
39.72387	-84.18058	23111
39.72387	-84.18058	22224
39.72387	-84.18058	22962
39.72386	-84.18060	22375
39.72385	-84.18063	21713
39.72385	-84.18063	21406
39.72384	-84.18064	23691
39.72384	-84.18065	23224
39.72383	-84.18066	22476
39.72383	-84.18068	22204
39.72382	-84.18070	22060
39.72382	-84.18071	19184
39.72383	-84.18071	18159
39.72383	-84.18071	18377
39.72383	-84.18072	17250
39.72382	-84.18073	17606
39.72384	-84.18071	17890
39.72384	-84.18070	20692

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72547	-84.17964	16147
39.72547	-84.17963	15885
39.72548	-84.17963	15357
39.72548	-84.17962	15707
39.72549	-84.17962	15622
39.72550	-84.17961	15746
39.72550	-84.17961	15067
39.72550	-84.17961	15150
39.72551	-84.17960	15444
39.72551	-84.17960	14870
39.72552	-84.17960	15573
39.72553	-84.17959	16388
39.72553	-84.17958	16566
39.72554	-84.17957	15796
39.72553	-84.17957	16149
39.72553	-84.17958	15808
39.72553	-84.17958	15032
39.72552	-84.17958	15450
39.72552	-84.17959	15332
39.72552	-84.17959	15616
39.72551	-84.17960	15070
39.72551	-84.17960	14615
39.72551	-84.17960	14946
39.72550	-84.17960	14319
39.72549	-84.17961	15013
39.72549	-84.17962	14566
39.72548	-84.17962	15294
39.72547	-84.17963	14653
39.72546	-84.17963	14997
39.72545	-84.17962	15136
39.72546	-84.17962	14720
39.72547	-84.17961	14652
39.72548	-84.17961	15744
39.72549	-84.17962	15266
39.72549	-84.17961	15408
39.72550	-84.17960	15191
39.72551	-84.17959	15080
39.72552	-84.17959	14767
39.72552	-84.17959	14767
39.72552	-84.17958	15037

39.72384	-84.18070	20677
39.72385	-84.18069	21219
39.72385	-84.18068	21576
39.72386	-84.18066	21402
39.72387	-84.18066	21646
39.72387	-84.18066	22564
39.72387	-84.18066	21931
39.72387	-84.18065	19584
39.72387	-84.18065	21598
39.72386	-84.18066	22497
39.72387	-84.18066	21898
39.72387	-84.18066	23276
39.72386	-84.18068	21249
39.72385	-84.18069	21527
39.72385	-84.18071	20649
39.72384	-84.18072	19376
39.72384	-84.18073	17656
39.72384	-84.18074	17521
39.72384	-84.18073	16268
39.72385	-84.18072	18814
39.72386	-84.18070	20986
39.72387	-84.18069	21705
39.72388	-84.18068	23025
39.72388	-84.18069	22370
39.72387	-84.18071	22646
39.72386	-84.18072	21823
39.72386	-84.18073	20856
39.72385	-84.18073	19897
39.72385	-84.18074	19197
39.72385	-84.18074	16098
39.72386	-84.18074	16360
39.72387	-84.18072	17167
39.72387	-84.18071	22884
39.72389	-84.18069	22312
39.72389	-84.18068	22830
39.72390	-84.18069	22780
39.72389	-84.18070	23049
39.72388	-84.18072	22378
39.72387	-84.18073	22417
39.72387	-84.18074	19764

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72553	-84.17958	15611
39.72554	-84.17957	14991
39.72554	-84.17957	14575
39.72554	-84.17956	15966
39.72554	-84.17956	15719
39.72554	-84.17956	14880
39.72554	-84.17956	15662
39.72553	-84.17956	15562
39.72553	-84.17957	15644
39.72551	-84.17958	16380
39.72550	-84.17958	15418
39.72550	-84.17958	15352
39.72549	-84.17959	15428
39.72549	-84.17959	15714
39.72548	-84.17960	16545
39.72548	-84.17960	16286
39.72546	-84.17961	15243
39.72546	-84.17961	15994
39.72545	-84.17962	15716
39.72545	-84.17963	15258
39.72544	-84.17963	15423
39.72545	-84.17963	16410
39.72546	-84.17963	15708
39.72547	-84.17962	15371
39.72548	-84.17962	14513
39.72548	-84.17963	15084
39.72548	-84.17963	15293
39.72548	-84.17963	15611
39.72547	-84.17962	14754
39.72548	-84.17960	14675
39.72548	-84.17960	15933
39.72549	-84.17961	15540
39.72549	-84.17961	15666
39.72549	-84.17961	16061
39.72550	-84.17961	15495
39.72550	-84.17961	14315
39.72550	-84.17961	15502
39.72551	-84.17960	16139
39.72551	-84.17960	15639
39.72551	-84.17960	15369

39.72387	-84.18074	19030
39.72387	-84.18074	19061
39.72388	-84.18073	19886
39.72390	-84.18072	21884
39.72390	-84.18071	23426
39.72390	-84.18070	22607
39.72391	-84.18069	21934
39.72391	-84.18070	22236
39.72390	-84.18072	21488
39.72389	-84.18073	22410
39.72388	-84.18074	22443
39.72387	-84.18075	18947
39.72389	-84.18075	17868
39.72388	-84.18076	17535
39.72390	-84.18074	17506
39.72389	-84.18074	21000
39.72390	-84.18072	21465
39.72391	-84.18071	22006
39.72392	-84.18070	22784
39.72392	-84.18070	23849
39.72391	-84.18072	22866
39.72391	-84.18074	22728
39.72390	-84.18075	21171
39.72389	-84.18077	21970
39.72388	-84.18078	17829
39.72388	-84.18078	16160
39.72389	-84.18077	16762
39.72389	-84.18077	15446
39.72390	-84.18076	18727
39.72391	-84.18073	21610
39.72391	-84.18072	22490
39.72392	-84.18072	21693
39.72392	-84.18071	22529
39.72392	-84.18073	22110
39.72392	-84.18074	22618
39.72391	-84.18075	22167
39.72390	-84.18076	21436
39.72390	-84.18077	20258
39.72390	-84.18077	16651
39.72390	-84.18078	15517

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72551	-84.17960	15607
39.72551	-84.17962	15671
39.72551	-84.17961	15639
39.72551	-84.17961	15886
39.72551	-84.17961	16105
39.72551	-84.17961	15513
39.72551	-84.17960	14756
39.72550	-84.17960	14727
39.72550	-84.17960	15029
39.72550	-84.17959	15439
39.72550	-84.17958	14867
39.72549	-84.17958	14528
39.72550	-84.17957	15225
39.72550	-84.17958	15755
39.72551	-84.17959	15703
39.72551	-84.17958	15709
39.72551	-84.17958	15748
39.72551	-84.17958	14185
39.72551	-84.17957	13835
39.72552	-84.17957	14440
39.72552	-84.17957	15153
39.72552	-84.17957	15263
39.72552	-84.17959	14229
39.72552	-84.17960	14324
39.72552	-84.17961	15437
39.72552	-84.17960	14967
39.72552	-84.17960	15973
39.72553	-84.17960	15780
39.72553	-84.17960	16732
39.72550	-84.17961	16073
39.72548	-84.17963	16124
39.72547	-84.17963	14708
39.72545	-84.17964	16038
39.72543	-84.17964	15565
39.72540	-84.17965	14621
39.72538	-84.17966	14751
39.72537	-84.17967	14104
39.72534	-84.17968	13819
39.72533	-84.17969	13653
39.72534	-84.17967	14398

39.72390	-84.18079	14263
39.72390	-84.18078	15997
39.72391	-84.18077	18470
39.72391	-84.18077	19771
39.72391	-84.18075	20944
39.72392	-84.18074	22235
39.72392	-84.18072	21595
39.72392	-84.18071	22405
39.72392	-84.18071	21097
39.72391	-84.18070	21940
39.72391	-84.18070	22910
39.72391	-84.18070	24395
39.72391	-84.18069	24055
39.72391	-84.18068	22881
39.72390	-84.18067	22714
39.72390	-84.18067	21876
39.72390	-84.18067	21560
39.72390	-84.18067	21488
39.72390	-84.18066	21570
39.72390	-84.18066	22594
39.72390	-84.18065	23966
39.72391	-84.18065	23163
39.72391	-84.18064	22160
39.72390	-84.18063	22705
39.72390	-84.18062	22988
39.72390	-84.18061	22505
39.72390	-84.18060	22271
39.72390	-84.18060	22716
39.72391	-84.18059	21795
39.72391	-84.18059	22004
39.72391	-84.18059	22681
39.72390	-84.18059	22034
39.72390	-84.18059	20606
39.72390	-84.18059	21697
39.72391	-84.18056	22230
39.72394	-84.18054	22227
39.72394	-84.18052	22121
39.72394	-84.18052	21276
39.72394	-84.18052	20853
39.72396	-84.18052	21997

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72535	-84.17965	14401
39.72538	-84.17964	14217
39.72538	-84.17964	15106
39.72537	-84.17966	14835
39.72537	-84.17966	14704
39.72537	-84.17965	15101
39.72538	-84.17964	15691
39.72538	-84.17963	15206
39.72539	-84.17964	15237
39.72538	-84.17966	14467
39.72536	-84.17967	14232
39.72535	-84.17967	13436
39.72534	-84.17968	14352
39.72534	-84.17968	14223
39.72534	-84.17968	13310
39.72534	-84.17968	13806
39.72534	-84.17968	14447
39.72534	-84.17969	14513
39.72532	-84.17970	13388
39.72533	-84.17970	14162
39.72533	-84.17969	15047
39.72533	-84.17969	14845
39.72533	-84.17969	14475
39.72533	-84.17969	14812
39.72533	-84.17969	14431
39.72533	-84.17969	14296
39.72533	-84.17969	13916
39.72533	-84.17970	14096
39.72533	-84.17969	14156
39.72533	-84.17970	14910
39.72532	-84.17972	14783
39.72520	-84.18009	13683
39.72520	-84.18009	12924
39.72520	-84.18009	13300
39.72520	-84.18009	14097
39.72520	-84.18009	13989
39.72520	-84.18009	13467
39.72520	-84.18009	12633
39.72520	-84.18009	12619
39.72520	-84.18010	14326

39.72396	-84.18052	22013
39.72396	-84.18052	20661
39.72397	-84.18050	22623
39.72398	-84.18049	22913
39.72398	-84.18049	21582
39.72399	-84.18045	21133
39.72401	-84.18041	21158
39.72401	-84.18041	20933
39.72402	-84.18040	20723
39.72403	-84.18038	22368
39.72405	-84.18037	22742
39.72405	-84.18037	20658
39.72406	-84.18037	20436
39.72406	-84.18037	21602
39.72407	-84.18037	21042
39.72406	-84.18037	21872
39.72405	-84.18039	22579
39.72404	-84.18040	22148
39.72403	-84.18041	22737
39.72401	-84.18042	20817
39.72400	-84.18044	22102
39.72399	-84.18045	22494
39.72399	-84.18046	22592
39.72398	-84.18048	21817
39.72397	-84.18049	22490
39.72396	-84.18051	22907
39.72397	-84.18051	22905
39.72397	-84.18051	23455
39.72397	-84.18051	24442
39.72397	-84.18050	22557
39.72398	-84.18049	22643
39.72399	-84.18048	22713
39.72400	-84.18047	23563
39.72401	-84.18045	22526
39.72402	-84.18043	23012
39.72403	-84.18042	22772
39.72404	-84.18040	21819
39.72405	-84.18039	22748
39.72406	-84.18038	22196
39.72407	-84.18037	22752

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72520	-84.18009	13636
39.72520	-84.18009	13767
39.72520	-84.18008	14216
39.72520	-84.18005	14009
39.72521	-84.18003	15402
39.72521	-84.18001	14440
39.72521	-84.17999	14173
39.72521	-84.17997	14146
39.72521	-84.17995	13508
39.72521	-84.17993	13821
39.72521	-84.17991	13095
39.72521	-84.17989	12748
39.72522	-84.17987	14376
39.72522	-84.17985	13790
39.72522	-84.17983	13639
39.72523	-84.17981	15313
39.72523	-84.17979	14136
39.72523	-84.17977	14375
39.72524	-84.17974	13727
39.72525	-84.17972	14116
39.72526	-84.17970	14798
39.72526	-84.17968	15202
39.72527	-84.17966	13656
39.72528	-84.17964	14315
39.72529	-84.17963	14071
39.72529	-84.17961	14063
39.72530	-84.17960	13335
39.72531	-84.17958	14613
39.72532	-84.17956	16375
39.72534	-84.17955	14931
39.72535	-84.17953	14197
39.72535	-84.17953	14237
39.72536	-84.17951	14442
39.72537	-84.17950	13808
39.72538	-84.17949	15603
39.72540	-84.17947	15176
39.72541	-84.17946	14071
39.72542	-84.17945	14055
39.72544	-84.17943	15128
39.72546	-84.17942	14380

39.72408	-84.18036	22859
39.72408	-84.18035	23689
39.72408	-84.18035	22713
39.72409	-84.18035	22000
39.72409	-84.18036	22346
39.72409	-84.18036	23526
39.72408	-84.18037	23815
39.72407	-84.18039	22893
39.72406	-84.18040	22720
39.72406	-84.18042	22812
39.72405	-84.18043	22361
39.72405	-84.18043	21531
39.72405	-84.18044	21442
39.72405	-84.18045	21359
39.72403	-84.18046	22638
39.72402	-84.18048	23856
39.72400	-84.18049	22983
39.72399	-84.18051	23489
39.72399	-84.18052	22741
39.72398	-84.18053	23991
39.72399	-84.18052	23810
39.72399	-84.18051	24859
39.72400	-84.18050	24017
39.72400	-84.18049	24407
39.72401	-84.18048	23345
39.72403	-84.18047	21783
39.72404	-84.18045	21778
39.72404	-84.18045	21749
39.72406	-84.18042	22874
39.72406	-84.18041	21939
39.72407	-84.18041	21927
39.72408	-84.18040	21596
39.72409	-84.18040	22781
39.72410	-84.18039	23013
39.72410	-84.18040	22703
39.72410	-84.18039	23885
39.72411	-84.18039	22691
39.72410	-84.18039	22309
39.72409	-84.18042	22474
39.72407	-84.18044	21476

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72547	-84.17941	13450
39.72547	-84.17940	14479
39.72546	-84.17941	13421
39.72545	-84.17942	12397
39.72544	-84.17943	12571
39.72544	-84.17943	12904
39.72544	-84.17943	13033
39.72537	-84.17951	14005
39.72537	-84.17951	13367
39.72537	-84.17951	13340
39.72536	-84.17953	13503
39.72535	-84.17954	13422
39.72534	-84.17956	13127
39.72534	-84.17956	14382
39.72534	-84.17956	13610
39.72534	-84.17956	12635
39.72531	-84.17960	13202
39.72531	-84.17960	13950
39.72531	-84.17960	13196
39.72530	-84.17962	13719
39.72529	-84.17963	12622
39.72529	-84.17964	12974
39.72529	-84.17965	12995
39.72528	-84.17966	13816
39.72527	-84.17968	13998
39.72527	-84.17969	13312
39.72526	-84.17971	13495
39.72525	-84.17972	13569
39.72525	-84.17974	14604
39.72525	-84.17976	13551
39.72524	-84.17977	12709
39.72524	-84.17979	13507
39.72524	-84.17980	12971
39.72523	-84.17982	13767
39.72523	-84.17984	13803
39.72523	-84.17986	14047
39.72523	-84.17988	13044
39.72522	-84.17990	14329
39.72522	-84.17992	13153
39.72522	-84.17995	13126

39.72406	-84.18046	23420
39.72405	-84.18047	23011
39.72404	-84.18048	24179
39.72404	-84.18049	23553
39.72403	-84.18050	22190
39.72401	-84.18051	23525
39.72401	-84.18051	23082
39.72401	-84.18052	23409
39.72402	-84.18051	24015
39.72402	-84.18051	23694
39.72401	-84.18049	22891
39.72402	-84.18048	22140
39.72404	-84.18047	23081
39.72405	-84.18045	22990
39.72407	-84.18044	23234
39.72408	-84.18043	23200
39.72408	-84.18043	20838
39.72409	-84.18043	22137
39.72410	-84.18041	23111
39.72410	-84.18041	22825
39.72410	-84.18041	22250
39.72410	-84.18040	22668
39.72410	-84.18040	23603
39.72410	-84.18042	22351
39.72410	-84.18042	23340
39.72410	-84.18043	22856
39.72408	-84.18045	22158
39.72408	-84.18045	23951
39.72407	-84.18046	22711
39.72406	-84.18047	22969
39.72406	-84.18048	22203
39.72405	-84.18050	24114
39.72405	-84.18050	23912
39.72404	-84.18051	22899
39.72403	-84.18053	23171
39.72403	-84.18052	23246
39.72402	-84.18051	23957
39.72402	-84.18052	23585
39.72402	-84.18052	22222
39.72402	-84.18052	21654

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72522	-84.17996	13063
39.72522	-84.17999	12974
39.72522	-84.18001	13595
39.72522	-84.18002	12943
39.72521	-84.18004	13669
39.72521	-84.18007	13570
39.72521	-84.18009	13288
39.72521	-84.18011	13734
39.72521	-84.18013	13269
39.72521	-84.18015	13297
39.72521	-84.18017	11750
39.72521	-84.18020	13208
39.72521	-84.18022	13308
39.72521	-84.18024	12770
39.72521	-84.18027	13081
39.72521	-84.18029	13757
39.72520	-84.18031	14196
39.72520	-84.18033	14449
39.72520	-84.18034	13968
39.72520	-84.18034	14965
39.72521	-84.18034	14580
39.72521	-84.18034	14087
39.72521	-84.18032	13309
39.72521	-84.18030	13295
39.72521	-84.18028	14147
39.72521	-84.18025	13407
39.72521	-84.18023	12416
39.72521	-84.18020	12761
39.72521	-84.18018	12504
39.72521	-84.18016	12672
39.72521	-84.18013	14021
39.72521	-84.18011	13452
39.72522	-84.18009	14611
39.72522	-84.18006	13541
39.72522	-84.18004	13020
39.72522	-84.18002	14516
39.72522	-84.17999	14030
39.72522	-84.17997	14277
39.72522	-84.17995	14327
39.72522	-84.17993	13075

39.72402	-84.18052	22577
39.72402	-84.18052	23224
39.72402	-84.18052	23457
39.72406	-84.18048	22584
39.72406	-84.18048	21866
39.72407	-84.18047	23031
39.72408	-84.18046	22599
39.72408	-84.18045	21658
39.72408	-84.18045	21561
39.72413	-84.18039	20783
39.72413	-84.18039	22650
39.72413	-84.18039	22682
39.72413	-84.18040	22042
39.72413	-84.18041	23008
39.72412	-84.18041	24565
39.72412	-84.18042	22733
39.72411	-84.18043	21835
39.72410	-84.18045	22726
39.72408	-84.18047	22377
39.72408	-84.18047	21141
39.72408	-84.18047	21799
39.72404	-84.18052	22243
39.72404	-84.18052	23352
39.72404	-84.18052	22849
39.72404	-84.18052	23209
39.72404	-84.18052	22053
39.72402	-84.18054	21055
39.72402	-84.18054	21569
39.72402	-84.18054	22017
39.72404	-84.18052	21806
39.72407	-84.18049	22869
39.72406	-84.18050	22695
39.72407	-84.18049	22610
39.72408	-84.18049	23466
39.72408	-84.18049	23263
39.72408	-84.18049	22942
39.72408	-84.18050	23556
39.72408	-84.18051	23419
39.72408	-84.18052	23162
39.72408	-84.18052	22362

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72523	-84.17991	13598
39.72523	-84.17988	13041
39.72523	-84.17986	13350
39.72523	-84.17984	15142
39.72524	-84.17981	13546
39.72524	-84.17979	13647
39.72525	-84.17977	14090
39.72525	-84.17974	13389
39.72526	-84.17973	12956
39.72527	-84.17970	12813
39.72528	-84.17968	12729
39.72529	-84.17966	13189
39.72529	-84.17966	13523
39.72530	-84.17964	13443
39.72531	-84.17961	12864
39.72531	-84.17961	13528
39.72531	-84.17961	13820
39.72531	-84.17961	14185
39.72536	-84.17953	13458
39.72536	-84.17953	13053
39.72536	-84.17954	13283
39.72536	-84.17953	13282
39.72538	-84.17953	13805
39.72538	-84.17952	13642
39.72539	-84.17950	14069
39.72540	-84.17949	13923
39.72542	-84.17947	13764
39.72543	-84.17946	13839
39.72545	-84.17946	13015
39.72546	-84.17945	14174
39.72547	-84.17944	12604
39.72548	-84.17942	13949
39.72549	-84.17941	13864
39.72549	-84.17942	14125
39.72548	-84.17943	14009
39.72546	-84.17945	13616
39.72545	-84.17946	13352
39.72543	-84.17947	12911
39.72542	-84.17949	13180
39.72540	-84.17951	13290

39.72408	-84.18052	22317
39.72411	-84.18050	22276
39.72411	-84.18050	21383
39.72411	-84.18050	22531
39.72411	-84.18049	21351
39.72411	-84.18049	21922
39.72411	-84.18043	23103
39.72411	-84.18043	22154
39.72411	-84.18043	21886
39.72411	-84.18044	22114
39.72410	-84.18046	22727
39.72410	-84.18047	22282
39.72410	-84.18047	22000
39.72410	-84.18047	22742
39.72405	-84.18049	22401
39.72405	-84.18049	22637
39.72405	-84.18049	22700
39.72405	-84.18049	22733
39.72405	-84.18049	21897
39.72403	-84.18036	21116
39.72403	-84.18036	22143
39.72403	-84.18036	21446
39.72402	-84.18036	21450
39.72402	-84.18037	21256
39.72401	-84.18038	21514
39.72401	-84.18038	21623
39.72400	-84.18038	20193
39.72400	-84.18037	16856
39.72400	-84.18037	14786
39.72382	-84.18066	14402
39.72382	-84.18066	14326
39.72382	-84.18066	14651
39.72382	-84.18066	14107
39.72382	-84.18066	14785
39.72382	-84.18067	16414
39.72381	-84.18068	14765
39.72381	-84.18069	14779
39.72381	-84.18070	14708
39.72381	-84.18070	15680
39.72381	-84.18071	14443

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72539	-84.17952	14123
39.72538	-84.17953	13562
39.72538	-84.17955	13410
39.72537	-84.17957	12839
39.72535	-84.17958	13750
39.72534	-84.17959	13978
39.72532	-84.17961	14788
39.72532	-84.17963	13331
39.72531	-84.17965	13698
39.72530	-84.17966	13449
39.72529	-84.17969	14362
39.72528	-84.17971	14000
39.72527	-84.17973	13693
39.72527	-84.17975	13089
39.72526	-84.17978	13151
39.72525	-84.17980	12523
39.72525	-84.17982	12316
39.72525	-84.17984	13209
39.72524	-84.17987	12222
39.72524	-84.17989	12760
39.72524	-84.17991	12918
39.72524	-84.17994	13102
39.72524	-84.17996	13824
39.72523	-84.17998	13142
39.72523	-84.18001	12822
39.72523	-84.18003	13348
39.72523	-84.18006	12745
39.72523	-84.18008	13173
39.72522	-84.18010	13005
39.72521	-84.18011	13005
39.72520	-84.18011	13055
39.72519	-84.18011	14101
39.72519	-84.18010	16224
39.72519	-84.18010	15464
39.72520	-84.18010	14706
39.72520	-84.18010	14488
39.72520	-84.18010	15852
39.72520	-84.18010	14955
39.72520	-84.18010	15147
39.72520	-84.18010	16020

39.72380	-84.18073	13748
39.72380	-84.18074	14857
39.72379	-84.18075	14100
39.72378	-84.18076	14418
39.72378	-84.18076	14815
39.72378	-84.18076	15288
39.72378	-84.18076	18494
39.72373	-84.18084	18675
39.72373	-84.18084	18450
39.72373	-84.18084	20566
39.72373	-84.18084	19464
39.72372	-84.18085	18758
39.72372	-84.18086	19828
39.72372	-84.18087	20484
39.72371	-84.18088	18555
39.72371	-84.18088	18435
39.72371	-84.18089	17497
39.72371	-84.18089	18816
39.72371	-84.18089	18638
39.72371	-84.18090	19547
39.72371	-84.18090	19736
39.72366	-84.18100	18475
39.72366	-84.18100	18271
39.72366	-84.18100	18841
39.72366	-84.18100	19561
39.72366	-84.18100	18400
39.72361	-84.18112	18138
39.72361	-84.18112	17604
39.72361	-84.18112	18160
39.72361	-84.18112	16818
39.72361	-84.18112	19598
39.72362	-84.18112	18716
39.72362	-84.18112	19670
39.72362	-84.18112	19789
39.72362	-84.18112	17445
39.72363	-84.18106	18186
39.72363	-84.18106	17561
39.72363	-84.18106	18482
39.72364	-84.18105	18522
39.72365	-84.18104	19320

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72520	-84.18010	15880
39.72520	-84.18011	14578
39.72521	-84.18011	13311
39.72522	-84.18013	12974
39.72522	-84.18015	13476
39.72522	-84.18015	13395
39.72522	-84.18016	12374
39.72523	-84.18015	13220
39.72523	-84.18013	13330
39.72523	-84.18010	13614
39.72523	-84.18008	13848
39.72523	-84.18007	13089
39.72523	-84.18009	13967
39.72523	-84.18011	13519
39.72523	-84.18013	12591
39.72523	-84.18015	13109
39.72523	-84.18017	12364
39.72523	-84.18019	12696
39.72523	-84.18021	12122
39.72523	-84.18023	13975
39.72522	-84.18026	14334
39.72522	-84.18028	13444
39.72522	-84.18030	14235
39.72522	-84.18032	13974
39.72522	-84.18034	12920
39.72522	-84.18035	13453
39.72522	-84.18035	15115
39.72523	-84.18036	13717
39.72523	-84.18035	14219
39.72523	-84.18033	14183
39.72523	-84.18031	13153
39.72523	-84.18028	12146
39.72523	-84.18026	12588
39.72523	-84.18024	12530
39.72523	-84.18022	13110
39.72523	-84.18020	13236
39.72523	-84.18017	12720
39.72523	-84.18015	13400
39.72523	-84.18013	14076
39.72523	-84.18011	14100

39.72366	-84.18102	18434
39.72366	-84.18101	19712
39.72367	-84.18100	17470
39.72368	-84.18098	17991
39.72368	-84.18097	18958
39.72369	-84.18096	20676
39.72370	-84.18094	19855
39.72371	-84.18093	20088
39.72371	-84.18092	19726
39.72372	-84.18091	20755
39.72372	-84.18090	20647
39.72373	-84.18088	20048
39.72373	-84.18087	20787
39.72374	-84.18087	20510
39.72374	-84.18087	20526
39.72375	-84.18082	20140
39.72375	-84.18082	19689
39.72375	-84.18082	19791
39.72375	-84.18082	19530
39.72375	-84.18082	16962
39.72375	-84.18082	15246
39.72378	-84.18075	14773
39.72378	-84.18075	14662
39.72378	-84.18075	14019
39.72379	-84.18074	15102
39.72380	-84.18072	15307
39.72382	-84.18070	16767
39.72382	-84.18069	18667
39.72382	-84.18069	20760
39.72382	-84.18069	18611
39.72382	-84.18075	13872
39.72382	-84.18075	14708
39.72382	-84.18075	15087
39.72381	-84.18077	15601
39.72379	-84.18077	18700
39.72378	-84.18078	20771
39.72377	-84.18080	20984
39.72376	-84.18081	20469
39.72375	-84.18083	21735
39.72375	-84.18084	21327

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72524	-84.18009	12716
39.72524	-84.18007	13134
39.72524	-84.18005	14326
39.72524	-84.18003	14877
39.72524	-84.18000	14321
39.72524	-84.17998	13861
39.72524	-84.17996	14243
39.72524	-84.17993	14448
39.72525	-84.17991	13390
39.72525	-84.17989	13559
39.72525	-84.17987	14190
39.72525	-84.17985	14163
39.72526	-84.17982	12943
39.72526	-84.17980	13567
39.72526	-84.17978	12763
39.72527	-84.17976	12233
39.72527	-84.17974	12938
39.72528	-84.17971	13202
39.72529	-84.17969	13259
39.72530	-84.17967	13571
39.72531	-84.17965	13957
39.72532	-84.17964	13040
39.72532	-84.17962	12188
39.72533	-84.17962	13538
39.72534	-84.17960	13446
39.72534	-84.17959	12869
39.72535	-84.17959	13960
39.72536	-84.17957	14250
39.72537	-84.17956	13751
39.72538	-84.17954	13786
39.72539	-84.17953	13800
39.72540	-84.17952	12834
39.72541	-84.17950	12523
39.72543	-84.17949	13472
39.72544	-84.17948	13653
39.72545	-84.17946	13350
39.72546	-84.17945	13791
39.72547	-84.17944	14740
39.72549	-84.17942	14356
39.72550	-84.17942	14688

39.72375	-84.18086	21398
39.72375	-84.18087	21141
39.72374	-84.18088	21256
39.72373	-84.18090	22391
39.72373	-84.18090	21688
39.72373	-84.18091	21004
39.72373	-84.18091	19683
39.72373	-84.18091	18299
39.72362	-84.18112	16969
39.72362	-84.18112	17056
39.72362	-84.18112	17895
39.72362	-84.18114	17972
39.72362	-84.18115	16826
39.72361	-84.18115	15792
39.72361	-84.18115	15974
39.72362	-84.18116	16274
39.72362	-84.18115	16926
39.72362	-84.18115	16923
39.72362	-84.18115	17825
39.72364	-84.18110	17535
39.72364	-84.18110	16837
39.72365	-84.18109	17521
39.72365	-84.18107	18029
39.72366	-84.18105	18859
39.72367	-84.18104	19475
39.72368	-84.18102	20254
39.72368	-84.18100	19789
39.72369	-84.18099	19847
39.72370	-84.18097	20197
39.72371	-84.18095	20258
39.72372	-84.18094	19868
39.72372	-84.18094	18935
39.72373	-84.18090	19960
39.72374	-84.18088	20999
39.72374	-84.18087	20752
39.72375	-84.18085	20713
39.72376	-84.18083	21188
39.72376	-84.18081	20934
39.72377	-84.18079	21095
39.72378	-84.18078	19233

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72549	-84.17943	13466
39.72548	-84.17944	13100
39.72547	-84.17946	14126
39.72546	-84.17947	14285
39.72544	-84.17949	13932
39.72543	-84.17951	14062
39.72542	-84.17952	13536
39.72540	-84.17954	14071
39.72539	-84.17955	14798
39.72538	-84.17957	14163
39.72537	-84.17959	12951
39.72536	-84.17960	13406
39.72534	-84.17962	13873
39.72533	-84.17964	13430
39.72532	-84.17966	13365
39.72531	-84.17968	13737
39.72530	-84.17970	12712
39.72530	-84.17972	13420
39.72529	-84.17974	13235
39.72528	-84.17976	12360
39.72528	-84.17978	13138
39.72527	-84.17981	13079
39.72527	-84.17983	12844
39.72526	-84.17985	13728
39.72526	-84.17987	13904
39.72526	-84.17990	14156
39.72526	-84.17992	15295
39.72526	-84.17994	14201
39.72525	-84.17996	14265
39.72525	-84.17999	12807
39.72525	-84.18001	14022
39.72525	-84.18004	13223
39.72525	-84.18006	12683
39.72525	-84.18008	12564
39.72525	-84.18010	12795
39.72524	-84.18013	12002
39.72524	-84.18015	12109
39.72524	-84.18017	13089
39.72524	-84.18019	12311
39.72524	-84.18022	12900

39.72379	-84.18076	17781
39.72380	-84.18074	15448
39.72381	-84.18072	14091
39.72381	-84.18072	14493
39.72382	-84.18071	15169
39.72383	-84.18070	17591
39.72383	-84.18070	19285
39.72383	-84.18070	18401
39.72383	-84.18070	18246
39.72383	-84.18071	15923
39.72383	-84.18071	14575
39.72383	-84.18071	14621
39.72383	-84.18072	14506
39.72382	-84.18074	14019
39.72381	-84.18075	14439
39.72380	-84.18077	16199
39.72379	-84.18078	18282
39.72378	-84.18080	19487
39.72377	-84.18081	21028
39.72376	-84.18083	20287
39.72376	-84.18085	19899
39.72375	-84.18086	20464
39.72375	-84.18088	22061
39.72374	-84.18090	22829
39.72373	-84.18092	21523
39.72372	-84.18094	22249
39.72371	-84.18096	21002
39.72371	-84.18097	21049
39.72370	-84.18098	22134
39.72370	-84.18099	20682
39.72369	-84.18100	21614
39.72368	-84.18101	19576
39.72367	-84.18103	19820
39.72367	-84.18105	19950
39.72366	-84.18107	19333
39.72365	-84.18109	19128
39.72365	-84.18110	18684
39.72364	-84.18112	17336
39.72362	-84.18112	18661
39.72362	-84.18114	18330

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72524	-84.18024	13612
39.72524	-84.18026	13706
39.72524	-84.18029	14003
39.72524	-84.18031	14177
39.72524	-84.18033	14137
39.72523	-84.18035	13156
39.72524	-84.18035	14541
39.72524	-84.18036	14727
39.72524	-84.18034	13827
39.72524	-84.18032	12976
39.72524	-84.18030	13088
39.72524	-84.18028	12922
39.72525	-84.18025	13937
39.72525	-84.18023	13026
39.72525	-84.18021	11672
39.72525	-84.18019	13029
39.72525	-84.18017	13430
39.72525	-84.18015	13460
39.72525	-84.18012	14022
39.72525	-84.18010	12967
39.72525	-84.18007	13387
39.72525	-84.18005	13309
39.72525	-84.18003	15322
39.72526	-84.18001	14163
39.72526	-84.17998	13297
39.72526	-84.17996	12748
39.72526	-84.17994	12318
39.72526	-84.17991	12562
39.72526	-84.17989	13654
39.72527	-84.17987	12892
39.72527	-84.17984	12164
39.72527	-84.17982	12436
39.72528	-84.17980	12999
39.72528	-84.17977	14079
39.72529	-84.17975	13400
39.72529	-84.17973	12686
39.72530	-84.17972	12790
39.72531	-84.17970	12810
39.72531	-84.17968	12845
39.72532	-84.17966	12439

39.72362	-84.18115	18823
39.72361	-84.18117	17625
39.72361	-84.18117	16042
39.72362	-84.18117	16357
39.72362	-84.18117	16118
39.72362	-84.18116	18515
39.72363	-84.18116	19769
39.72363	-84.18116	18892
39.72364	-84.18115	19060
39.72364	-84.18114	19677
39.72365	-84.18113	20136
39.72366	-84.18109	19501
39.72367	-84.18107	19346
39.72368	-84.18105	19737
39.72369	-84.18103	20197
39.72370	-84.18101	20080
39.72371	-84.18099	19961
39.72371	-84.18097	21309
39.72371	-84.18096	20545
39.72372	-84.18095	21748
39.72373	-84.18093	21414
39.72374	-84.18091	20868
39.72374	-84.18090	20620
39.72375	-84.18088	21650
39.72376	-84.18086	22267
39.72377	-84.18084	20451
39.72377	-84.18082	19303
39.72378	-84.18080	19622
39.72379	-84.18078	18492
39.72379	-84.18077	17312
39.72381	-84.18075	15182
39.72382	-84.18074	15049
39.72382	-84.18073	16578
39.72383	-84.18072	17170
39.72383	-84.18071	19158
39.72383	-84.18071	20074
39.72383	-84.18071	20531
39.72383	-84.18071	20033
39.72380	-84.18081	16213
39.72380	-84.18081	17247

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72533	-84.17964	12968
39.72535	-84.17962	12784
39.72535	-84.17961	12908
39.72536	-84.17960	13279
39.72537	-84.17958	12755
39.72539	-84.17957	13447
39.72540	-84.17955	14063
39.72541	-84.17954	13144
39.72542	-84.17952	13943
39.72543	-84.17951	13605
39.72545	-84.17949	14151
39.72546	-84.17948	13146
39.72548	-84.17946	13313
39.72549	-84.17945	13954
39.72550	-84.17943	14787
39.72551	-84.17943	14196
39.72550	-84.17944	13685
39.72549	-84.17946	13315
39.72548	-84.17948	12801
39.72547	-84.17949	13153
39.72545	-84.17951	13521
39.72544	-84.17952	13288
39.72543	-84.17954	13361
39.72541	-84.17955	14407
39.72540	-84.17957	14296
39.72538	-84.17958	15136
39.72537	-84.17960	14076
39.72536	-84.17962	13518
39.72535	-84.17964	13992
39.72534	-84.17966	14342
39.72533	-84.17968	13078
39.72532	-84.17970	12761
39.72531	-84.17972	12077
39.72530	-84.17974	12900
39.72530	-84.17976	13208
39.72529	-84.17978	13053
39.72529	-84.17981	13324
39.72528	-84.17983	13189
39.72528	-84.17985	13122
39.72528	-84.17988	13481

39.72380	-84.18081	18978
39.72379	-84.18082	19696
39.72377	-84.18083	20199
39.72377	-84.18085	19884
39.72376	-84.18087	20648
39.72376	-84.18087	21832
39.72377	-84.18087	21166
39.72377	-84.18086	21998
39.72377	-84.18086	21348
39.72377	-84.18089	21474
39.72376	-84.18091	21300
39.72376	-84.18092	20894
39.72375	-84.18093	21630
39.72374	-84.18095	21149
39.72373	-84.18096	22372
39.72372	-84.18098	21642
39.72372	-84.18099	21757
39.72371	-84.18100	22546
39.72371	-84.18102	20421
39.72370	-84.18104	20449
39.72369	-84.18106	19554
39.72369	-84.18106	19994
39.72369	-84.18106	20185
39.72363	-84.18117	18572
39.72363	-84.18117	18285
39.72363	-84.18117	17024
39.72363	-84.18117	16101
39.72363	-84.18118	16339
39.72363	-84.18118	18167
39.72363	-84.18117	16787
39.72363	-84.18117	18006
39.72363	-84.18117	17982
39.72366	-84.18112	18446
39.72366	-84.18112	21776
39.72367	-84.18111	20732
39.72368	-84.18109	19996
39.72368	-84.18107	21060
39.72369	-84.18106	20590
39.72370	-84.18104	20865
39.72371	-84.18102	22018

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72527	-84.17990	14401
39.72527	-84.17993	13147
39.72527	-84.17995	13254
39.72527	-84.17998	13356
39.72527	-84.18001	12842
39.72526	-84.18003	13226
39.72526	-84.18006	13403
39.72526	-84.18008	12955
39.72526	-84.18011	13289
39.72526	-84.18013	13330
39.72526	-84.18016	13282
39.72526	-84.18018	12915
39.72526	-84.18021	12523
39.72526	-84.18023	12335
39.72525	-84.18026	13256
39.72525	-84.18028	12992
39.72525	-84.18031	12007
39.72525	-84.18033	11956
39.72525	-84.18035	13767
39.72526	-84.18035	13029
39.72526	-84.18034	13197
39.72526	-84.18032	13716
39.72526	-84.18029	13612
39.72526	-84.18027	13712
39.72526	-84.18024	14173
39.72526	-84.18022	13567
39.72526	-84.18019	12989
39.72527	-84.18017	13158
39.72527	-84.18014	13242
39.72527	-84.18012	13186
39.72524	-84.18009	12742
39.72524	-84.18006	12642
39.72526	-84.18004	12879
39.72526	-84.18002	13602
39.72526	-84.18000	12976
39.72526	-84.17997	12482
39.72527	-84.17995	12779
39.72527	-84.17993	13672
39.72527	-84.17990	14010
39.72527	-84.17988	14301

39.72371	-84.18101	23009
39.72372	-84.18100	21603
39.72373	-84.18099	21598
39.72373	-84.18099	21619
39.72373	-84.18098	20930
39.72373	-84.18096	22103
39.72374	-84.18094	21129
39.72375	-84.18092	21041
39.72376	-84.18091	22085
39.72376	-84.18090	23507
39.72377	-84.18089	21824
39.72377	-84.18089	20729
39.72378	-84.18086	22166
39.72379	-84.18083	21651
39.72379	-84.18083	19937
39.72379	-84.18081	20256
39.72380	-84.18080	20955
39.72381	-84.18079	16757
39.72381	-84.18079	15338
39.72381	-84.18079	14674
39.72377	-84.18092	22884
39.72377	-84.18092	23454
39.72377	-84.18092	21825
39.72377	-84.18092	22162
39.72377	-84.18092	22074
39.72376	-84.18092	22240
39.72376	-84.18092	22183
39.72376	-84.18092	21728
39.72376	-84.18094	21890
39.72375	-84.18096	22753
39.72375	-84.18098	22876
39.72374	-84.18099	22484
39.72373	-84.18101	22967
39.72372	-84.18102	22473
39.72371	-84.18104	21387
39.72370	-84.18106	22405
39.72370	-84.18108	20736
39.72370	-84.18108	21316
39.72370	-84.18108	21196
39.72364	-84.18120	18891

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72528	-84.17986	14519
39.72528	-84.17983	13418
39.72529	-84.17981	14263
39.72529	-84.17979	13402
39.72530	-84.17977	14565
39.72531	-84.17975	14010
39.72531	-84.17972	12369
39.72532	-84.17970	12285
39.72533	-84.17968	13426
39.72534	-84.17966	14628
39.72535	-84.17964	13965
39.72537	-84.17962	12648
39.72538	-84.17960	13486
39.72539	-84.17959	13890
39.72541	-84.17957	13711
39.72542	-84.17955	13896
39.72544	-84.17954	14084
39.72545	-84.17952	14903
39.72546	-84.17951	13580
39.72548	-84.17949	13196
39.72549	-84.17947	12998
39.72550	-84.17946	13177
39.72552	-84.17944	12884
39.72552	-84.17945	14102
39.72551	-84.17946	13735
39.72551	-84.17947	13164
39.72549	-84.17948	13014
39.72548	-84.17949	14510
39.72547	-84.17950	12978
39.72546	-84.17952	13759
39.72545	-84.17954	12905
39.72543	-84.17955	13156
39.72542	-84.17957	15573
39.72541	-84.17958	14820
39.72540	-84.17958	15814
39.72541	-84.17957	15672
39.72542	-84.17956	14543
39.72543	-84.17955	14051
39.72544	-84.17954	15206
39.72544	-84.17954	15025

39.72364	-84.18120	18117
39.72364	-84.18120	16998
39.72364	-84.18120	15718
39.72365	-84.18119	16421
39.72366	-84.18118	18671
39.72366	-84.18116	19515
39.72367	-84.18116	19431
39.72367	-84.18115	18628
39.72367	-84.18115	18705
39.72369	-84.18111	19941
39.72371	-84.18108	20822
39.72371	-84.18107	21292
39.72372	-84.18105	21245
39.72373	-84.18103	21538
39.72374	-84.18101	20864
39.72374	-84.18100	20841
39.72375	-84.18098	21907
39.72376	-84.18096	22458
39.72377	-84.18094	22121
39.72377	-84.18093	22444
39.72377	-84.18093	22249
39.72377	-84.18093	22879
39.72386	-84.18074	15082
39.72386	-84.18074	15751
39.72386	-84.18074	18480
39.72386	-84.18073	20402
39.72386	-84.18073	20566
39.72386	-84.18073	21237
39.72378	-84.18093	22422
39.72378	-84.18093	23021
39.72377	-84.18094	22268
39.72376	-84.18096	23171
39.72376	-84.18097	22501
39.72375	-84.18099	23518
39.72374	-84.18100	22037
39.72374	-84.18101	22615
39.72373	-84.18103	21240
39.72372	-84.18105	20737
39.72372	-84.18107	21681
39.72371	-84.18108	20565

DAYTON UNIT IV
GAMMA SURVEY RESULTS

39.72545	-84.17953	15283
39.72546	-84.17953	15388
39.72548	-84.17952	14301
39.72549	-84.17950	15738
39.72550	-84.17949	15535
39.72366	-84.18118	19020
39.72366	-84.18118	18457

39.72371	-84.18108	21599
39.72369	-84.18112	22107
39.72368	-84.18115	21195
39.72368	-84.18116	20334
39.72367	-84.18117	19543
39.72366	-84.18118	15766

APPENDIX D

QUALITY CONTROL SUMMARY REPORT

APPENDIX D

QUALITY CONTROL SUMMARY REPORT
DAYTON UNIT IV
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TABLES

ATTACHMENTS

ACRONYMS AND SYMBOLS

B	Biased
BD	blind duplicate
%C	percent completeness
COC	chain-of-custody
%D	percent difference or drift
D4	Dayton Unit IV
DQCR	Daily Quality Control Reports
EML	Environmental Measurements Laboratory
FSP	Field Sampling Plan
g	gram
ID	identification
keV	kilo-energy volts
kg	kilograms
MD	matrix duplicate
MDC	minimum detected concentration
µg	microgram
mg	milligrams
MS/MSD	matrix spike/matrix spike duplicate
PARCCS	precision, accuracy, representativeness, comparability, completeness, sensitivity
Pb	lead
pCi	picocurie
QA	quality assurance
QC	quality control
QCSR	Quality Control Summary Report
SAIC	Science Applications International Corporation
SAP	Sampling and Analysis Plan
SB	Soil Boring
STL	Severn Trent Laboratories, Inc.
U	Unbiased or not detected
URS	URS Corporation
USACE	United States Army Corps of Engineers
USDOE	United States Department of Energy
USEPA	United States Environmental Protection Agency

1.0 PROJECT DESCRIPTION

This Quality Control Summary Report (QCSR) is prepared in accordance with the project approved Sampling and Analysis Plan (SAP) (URS Corporation, May 2002). A description of the site location, historical use, environmental impacts, and remedial actions for the project are presented in the Field Sampling Plan (FSP). Data reviewed in this QCSR are for soil samples collected on August 20-22, 2002 and September 25, 2002 at the former Runnymede Playhouse (Dayton Unit IV) located in Dayton, Ohio. All samples were analyzed by Severn Trent Laboratories, Inc. (STL-St. Louis) located in Earth City, Missouri.

Table D-1 provides a summary of samples collected at the Dayton Unit IV site. The sample analyses were performed in accordance with United States Environmental Protection Agency (USEPA) Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, Final Update III, June 1997 and United States Department of Energy (USDOE) Environmental Measurements Laboratory (EML) Health and Safety Laboratory (HASL-300). The samples were analyzed for total lead (Pb) by USEPA Method SW6010B and gamma spectrometry for Pb-210 by USDOE Method Ga-01-R. For gamma spectrometry, the laboratory reported all detected radionuclides.

Quality assurance (QA) split samples were initially shipped to Nuclear Technology Laboratory, located in Roswell, Georgia for radiological screening. The QA split samples were then submitted to Accura Analytical Laboratory, Inc. located in Norcross, Georgia. The USACE Work Order No. for this delivery order was 0019.

TABLE D-1
SAMPLE IDENTIFICATION SUMMARY
DAYTON UNIT IV

Field Sample ID	Sample Date	Lab Sample ID/ Lot Number	Sample Matrix	Total Lead	Gamma Spec	Comments
D4-SB-01U/4-8'	8/20/2002	E65F9 / F2H230280	Soil	X	X	--
D4-SB-02U/1-5'	8/20/2002	E65GK / F2H230280	Soil	X	X	--
D4-SB-03U/1-5'	8/20/2002	E65GN / F2H230280	Soil	X	X	--
D4-SB-04U/0-4'	9/25/2002	E8XOD / F2I260250	Soil	X	X	--
D4 -SB-05U/4-8'	8/20/2002	E65GQ / F2H230280	Soil	X	X	--
D4 -SB-06U/3-7'	8/20/2002	E65GR / F2H230280	Soil	X	X	QA Split
D4 -SB-07U/3-7'	8/20/2002	E65GT / F2H230280	Soil	X	X	--
D4 -SB-08U/1-5'	8/20/2002	E65GW / F2H230280	Soil	X	X	--
D4 -SB-09U/3-7'	8/20/2002	E65G2 / F2H230280	Soil	X	X	--
D4 -SB-10U/1-5'	8/20/2002	E65G3 / F2H230280	Soil	X	X	--
D4 -SB-11U/4-8'	8/20/2002	E65G4 / F2H230280	Soil	X	X	--
D4-BD01/4-8'	8/20/2002	E65G5 / F2H230280	Soil	X	X	BD of D4-SB-11U/4-8'
D4 -SB-12U/0-4'	8/21/2002	E65G6 / F2H230280	Soil	X	X	MS/MSD (Lead), MD (Gamma)
D4 -SB-23U/3-7'	8/21/2002	E65JH / F2H230280	Soil	X	X	--
D4 -SB-22U/0-4'	8/22/2002	E65JP / F2H230280	Soil	X	X	--
D4 -SB-16U/0-4'	8/21/2002	E65KQ / F2H230280	Soil	X	X	MS/MSD (Lead), MD (Gamma)
D4 -SB-14U/0-4'	8/21/2002	E65KR / F2H230280	Soil	X	X	--
D4 -SB-C4B/1-5'	8/21/2002	E65KV / F2H230280	Soil	X	X	--
D4 -SB-C1B/0-3'	8/21/2002	E65KW / F2H230280	Soil	X	X	--
D4 -SB-15U/0-4'	8/21/2002	E65K0 / F2H230280	Soil	X	X	--
D4 -SB-13U/0-4'	8/22/2002	E65K1 / F2H230280	Soil	X	X	--
D4 -SB-19U/4-8'	8/21/2002	E65K3 / F2H230280	Soil	X	X	--
D4 -BD02	8/21/2002	E65K4 / F2H230280	Soil	X	X	BD of D4-SB-19U/4-8'
D4 -SB-18U/0-4'	8/21/2002	E65K7 / F2H230280	Soil	X	X	--
D4 -SB-17U/1-5'	8/21/2002	E65LA / F2H230280	Soil	X	X	QA Split
D4 -SB-20U/0-4'	8/21/2002	E65LC / F2H230280	Soil	X	X	--
D4 -SB-21U/0-4'	8/22/2002	E65LD / F2H230280	Soil	X	X	--
D4 -SB-S5B/0-4'	8/22/2002	E65LE / F2H230280	Soil	X	X	--
D4 -SB-C3B/3-7'	8/22/2002	E65PQ / F2H230280	Soil	X	X	--

NOTES:

X - Analysis requested
-- - No Comment
D4 - Dayton Unit IV
SB - Soil Boring
U - Unbiased
B - Biased
QA - Quality Assurance
BD - Blind Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate
MD - Matrix Duplicate
C1, C3, C4, S5 - Sample locations determined by Ohio EPA from 1998 sampling event.

2.0 SCOPE OF THE QUALITY CONTROL SUMMARY REPORT

This QCSR is a report outlining quality control (QC) practices employed, including any analytical deviations and corrective actions taken, as well as a consolidation of the Daily Quality Control Reports (DQCR), which are presented in Attachment A. The validated analytical data and definitions of validation qualifiers are presented in Attachment B. A discussion of the reliability of the data is presented in Section 7.0.

3.0 SAMPLING PROCEDURES (PLANNED VS. IMPLEMENTED)

Samples were collected in a manner consistent with the project approved SAP (URS, May 2002), except for those variances discussed in Section 2.3 of the Site Inspection (SI) report. DQCRs document field activities and any problems, if encountered. The DQCRs are presented in Attachment A.

The following chain-of-custody (COC) variances were noted during the data review. Sample D4-SB-C3B/3-7' was not documented on the COC. However, the laboratory received appropriately labeled sample containers and added the sample ID to the COC. Sample D4-SB-C3B/3-7' was analyzed accordingly. The field duplicate sample IDs were not "blind," contrary to project approved SAP requirements, because the time of collection and boring depths were inadvertently entered on the COC. This sample was used in the validation process.

4.0 ANALYTICAL PROCEDURES

All soil sample analyses were performed in accordance with the project approved SAP (URS, May 2002), except for the analytical deviations presented in Section 5.0. In accordance with the project SAP, the data was reviewed/validated following the guidelines established by: USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, February 1994 and Science Applications International Corporation (SAIC), Laboratory Data Validation Guidelines for Evaluating Radionuclide Analyses, Document No. 143-ARCS-00.08, Revision 06, June 2000. All samples were reviewed independently (i.e., separately from the laboratory) for evaluation of data completeness, verification of chain-of-custody forms for correctness, review of holding time criteria, field duplicate precision, and assessment of QC blanks for contamination. Additionally, a higher level of review (i.e., data validation) was performed on 10% of the environmental and QC samples collected during this investigation. The data validation included verification of instrument calibration, assessment of laboratory precision and accuracy based upon duplicates and spike results, adherence to method specifications, and assessment of matrix interference.

5.0 ANALYTICAL DEVIATIONS

An analytical deviation is an activity not conducted in accordance with approved SAP (URS,2002) or procedures (e.g., analytical methods). Analytical deviations were encountered during analysis of several samples and are summarized in Table D-2. Table D-2 identifies the sample ID, fractions, analytical deviation encountered, and how the data was qualified as a result of the data validation. Only sample and QC results where deviations occurred and required data to be qualified are discussed in this section and are summarized in Table D-2.

Total Lead

The serial dilution analysis of samples D4-SB-12U/0-4' and D4-SB-16U/0-4' exhibited high percent difference (%D) (i.e., >10%) for Pb. In accordance with USEPA National Functional Guidelines, the Pb results for the associated samples were qualified estimated (J), as summarized in Table D-2.

Gamma Spectrometry

Any radionuclide detected in a sample that was also detected in the associated method blank was qualified estimated (J) if the concentration detected in the sample was less than 10 times the concentration in the method blank. Pb-210 was the only radionuclide detected in the method blanks. The highest concentration of Pb-210 detected in the method blanks was 0.33 pCi/g.

Sample qualification was based on a comparison with the method blank having the highest concentration of a contaminant, per project-specific requirements. In accordance with SAIC Laboratory Data Validation Guidelines, Pb-210 was qualified estimated (J) in all soil samples at the level of contamination [if above the minimum detected concentration (MDC)], as summarized in Table D-2.

The bismuth-210 (metastable) results for four soil samples were negative, indicating they are non-detect below the MDC. However, the absolute values for these negative results were greater than their corresponding error values. This is an indication of improper blank subtraction by the instrument software. In accordance with SAIC Laboratory Data Validation Guidelines, the

bismuth-210 (metastable) results for the affected samples (all non-detect) were rejected (R), as summarized in Table D-2. It should be noted that the laboratory was unable to apply further corrective action procedures to the affected data because of the proprietary nature of the instrument software.

No other analytical deviations were encountered and no additional data qualification was necessary.

TABLE D-2

SUMMARY OF QUALIFIED DATA

DAYTON UNIT III

Sample ID	Fraction	Analytical Deviation	Qualification
All Soil Samples, except D4-SB-04/0-4'	Metals	Serial dilution %D for Pb >10%	Qualify detects "J".
All Soil Samples	Gamma	Lead-210 contamination in method blank	Qualify "J" at quantified value.
D4-SB-06U/3-7', D4-SB-14U/0-4', D4-SB-15U/0-4', D4-SB-C3B/3-7'	Gamma	Improper instrument blank subtraction for Bismuth-210 (metastable)	Qualify non-detects "R".

6.0 DATA PRESENTATION

Attachment B contains validated analytical results for all samples in Table 1. All soil sample results are reported on a dry-weight basis.

7.0 QA/QC ACTIVITIES/DATA RELIABILITY

QA/QC activities for the field and laboratory were performed in accordance with the approved SAP (URS, May 2002). The reliability of data is determined during the data validation process through the use of QC elements assessing precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) in accordance with method requirements. USEPA and SAIC have established guidelines for the measurement of data reliability (or validity). Data not meeting USEPA or SAIC standards were considered conditionally usable or unusable; hence, the analytical results were qualified accordingly. Validation procedures utilized are identified in Section 4.0.

Completeness is defined as the number of measurements that are judged to be usable compared to the total number of measurements planned.

The percent completeness goal of 100% was met for total lead, but not for gamma spectrometry (98.9%). The percent completeness is calculated for each fraction using the following equation.

$$\textit{Percent Completeness}\ (\%C) = (X_v - X_n) / N \times 100\%$$

X_v - Number of valid measurements expected

X_n - Number of invalid (rejected) measurements

N - Number of valid measurements expected to be obtained

The overall percent completeness for the samples reviewed in this QCSR was 99.5% because the non-detect bismuth-210 (metastable) results for 4 soil samples were rejected (R).

8.0 CONCLUSIONS/RECOMMENDATIONS (Lessons Learned)

The analytical data discussed in this report was slightly below the project-specific completeness criteria of 100%. The sample detection limits have been met for the sample locations investigated, except where noted in Section 5.0. Minor QC blank contamination existed at the laboratory, but had minimal impact on the data. All sample analyses were found to be compliant with the validation criteria, except where noted in Section 5.0. The rejection of the bismuth-210 (metastable) data does not impact the project-specific data quality objectives, because this radionuclide was not expected to be detected in the samples. All other data is usable as reported.

ATTACHMENT A

DAILY QUALITY CONTROL REPORTS

URS

November 6, 2002

U.S. Army Corps of Engineers
Attn: David Romano, Project Manager
1776 Niagara Street
Buffalo, NY 14207-3199

RE: QUALITY CONTROL REPORT FOR THE RADIOLOGICAL SCOPING SURVEY AT DAYTON UNIT IV – RUNNYMEDE PLAYHOUSE

Dear Dave:

This transmittal consists of the Quality Control Report (QCR) for the field work preformed at the Dayton Unit IV site from July 29, 2002 through August 1, 2002, and on September 12, 2002. The QCR is a deliverable requirement in accordance with Section 5.2 of the Engineering & Design Quality Control Plan (URS 08/2001). A summary of activities is listed below and details of the activities are presented in the attached Daily Quality Control Reports.

July 29, 2002 – URS arrived on site and established the background location for daily readings. Set up 3-foot grid lines and performed radiological scoping survey on Parcel # 31. The background reading for the day was established at 24,264 counts per minute (cpm).

July 30, 2002 – Set up 3-foot grid lines in Katherine Terrace right-of-way and on Parcel #12. Completed radiological scoping survey in Katherine Terrace and over 80 % of Parcel #12. The background for the day was established at 24,556 cpm.

July 31, 2002 – Completed radiological scoping survey on Parcel # 12. Set up 3-foot grid lines and performed the radiological scoping survey on Parcel #32 and Parcel #19. The background reading for the day was established at 26,084 cpm.

August 1, 2002 – Set up 3-foot grid lines on Parcel #30 and in the former swale area on Parcel # 19, Parcel #34, and Parcel #35. Performed radiological scoping survey at these locations. Collected data in several areas with no GPS signal via laptop computer and HyperTerminal software. The background reading for the day was established at 25,022 cpm.

September 12, 2002 – Set up 3-foot grid lines on Parcel # 28 and Parcel # 29 and performed the radiological scoping survey on these parcels. The background reading for the day was established at 23,676 cpm. GPS coordinates were obtained for the proposed soil boring locations.

Please call me if you have any questions regarding this submittal.

Sincerely yours,

URS Group, Inc.

David J. Sheppard, CHMM
Project Scientist

Enc.
cc: Donald Hunt – URS
Bill Duggan – URS
Tom Battaglia – URS
File: 11171422 (C-1)

URS Corporation
282 Delaware Avenue
Buffalo, NY 14202-1805
Tel: 716.856.5636
Fax: 716.856.2545

N:\11171422.00000\WORD\QCR Rad Scope.doc

URS

282 Delaware Avenue
Buffalo, New York 14202
(716)856-5636

DATE JULY 29, 2002

DAY	S	M ✓	T	W	TH	F	S

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	85 up ✓
WIND	Still	Moder ✓	High	Report No.	
HUMIDITY	Dry	Moder	Humid ✓	1	

PROJECT MANAGER DAN ROTHMAN, P.E.
PROJECT DAYTON UNIT IV
JOB No. 0500035854.03
CONTRACT No. DACW-49-01-D-0001

SUB-CONTRACTORS ON SITE: NONE

EQUIPMENT ON SITE: LUDLUM MODEL 2221 RATEMETER/SCALER WITH 3"x3" NAI PROBE (~~AND~~) Bicron 3M3/3
TRIMBLE GPS - PRO XRS

WORK PERFORMED (INCLUDING SAMPLING):

- D. SHEPPARD & T. BATTAGLIA TRAVEL FROM BUFFALO, NY TO DAYTON, OH. MEET WITH D. ROMANO & R. HOOVER OF USACE - BUFFALO DISTRICT.
- THE INSTRUMENT WAS CHECKED AGAINST CS 137 SOURCE & BACKGROUND READINGS WERE TAKEN ON AN AREA OF PARCEL #19, OUTSIDE OF THE PROJECT LIMIT.
- SET UP GRID ON PARCEL #31 & PERFORMED RADIOLOGICAL SCOPING SURVEY. GPS COVERAGE WAS GOOD, EXCEPT FOR THE SPARSE TREE COVERED AREAS AND IMMEDIATELY ADJACENT TO THE HOUSE.
- EXPORTED DATA FILES & E-MAIL TO ORCHARD PARK & SALT LAKE CITY OFFICES FOR PROCESSING.

DAILY QUALITY CONTROL REPORT

PROJECT DAYTON UNIT IV

JOB No. 0500035854.03

REPORT No. 1

DATE JULY 29, 2002

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS): NONE

HEALTH AND SAFETY LEVELS AND ACTIVITIES: LEVEL D

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN: NONE

SPECIAL NOTES: SEE ATTACHED FIELD NOTES.

TOMORROW'S EXPECTATIONS: CONTINUE RAD SCOPING SURVEY

BY DAVID J. SHEPPARD TITLE SR. ENV. SCIENTIST / CHMM

URSF-003/2 OF 2/DQCREP

7-29-02 RADIOLOGICAL SCOPING SURVEY - DAY 1

0600-1300 D. SHEPPARD & T. BATTAGLIA TRAVEL FROM BUFFALO TO DAYTON BY ROAD. ARRIVE @ BUCKEYE/TRIMBLE TO PICK UP GPS UNIT @ 12:45

1300-1330 TRAVEL TO DAYTON UNIT IV (RUNNYMEDE PLAYHOUSE) & PREP FOR RAD SCOPING SURVEY @ PARCEL # 31. MET DAVID ROMANO & RAY HOOVER AT THE SITE.

WEATHER: TEMP= 90°F WINDS= SW@ 10-20MPH DESC= MOSTLY SUNNY

ONSITE PERSONNEL	AFFILIATE	IN	OUT
D. SHEPPARD	URS	13:30	18:45
T. BATTAGLIA	URS	13:30	18:45
D. ROMANO	USACE	13:30	17:00
R. HOOVER	USACE	13:30	18:45

INSTRUMENT INFORMATION
- LUDLUM MODEL 2221 RATEMETER/SCALER W/ 3"x3" MODEL ~~44-10~~ 3M3/3 NaI PROBE (Bicron)
- TRIMBLE GPS - ANTENNA & DATALOGGER MODEL: PRO-XRS

THE NaI DETECTOR WAS CHECKED AGAINST THE FOLLOWING STANDARD
- Cs 137 - ONE MINUTE COUNT= 426,472 CPM

FOLLOWING THE SOURCE CHECK, BACKGROUND READINGS WERE TAKEN FROM A GRASSY AREA ON PARCEL # ~~28~~ 19 ON ~~THE CORNER OF KATHERINE TERRACE~~ & RUNNYMEDE ROAD. THE BACKGROUND AREA (7/29 DS) IS ~~NORTH~~ SOUTH OF THE STUDY AREA & WAS SELECTED DUE TO ITS PROXIMITY TO THE STUDY AREA AND SIMILARITY IN COMPOSITION. THE ESTABLISHED BACKGROUND FOR TODAY = 24,264 CPM.

Continued on Page

Read and Understood By

Signed 7-29-02 Date Signed Date

1330-1445 TOM B. ASSEMBLED & SET UP THE SURVEY GEAR AS I SET THE GRID ON A PORTION OF PARCEL #31. THE GPS UNIT WAS MOUNTED IN/TO A JOGGING STROLLER TO ENSURE UNIFORM HEIGHT ABOVE THE GROUND FOR BOTH THE 44-10 PROBE (ONE-FOOT) & THE ANTENNA (4.5 FEET). ALSO, THE EQUIPMENT REMAINS MORE STABLE IN THE STROLLER THAN IF ITS CARRIED OR WORN. THE ONE-FOOT HEIGHT SETTING OF THE 44-10 (3"x3") ALLOWS A 4' AREA TO BE SCANNED ALONG A SINGLE GRID LINE. GRID LINES WERE SPACED 3 FEET APART TO ENSURE ADEQUATE COVERAGE.

1445-1845 PERFORMED/COMPLETED THE SURVEY ON PARCEL #31. GPS COVERAGE WAS GOOD EXCEPT FOR THE FOLLOWING AREAS

- TREE-FILLED AREA IN NE PORTION OF SITE
- AREA N OF HOUSE
- NW PORTION OF SITE (TREE-FILLED)

THE AREA N OF THE HOUSE & THE NW PORTION OF THE SITE WERE WALKED WITH THE OPERATOR LOOKING & LISTENING TO THE RATEMETER. NO ELEVATED READINGS (I.E. NO READINGS > 2x BACKGROUND) WERE ENCOUNTERED. IN FACT, THE READINGS WERE AT OR NEAR BACKGROUND LEVELS.

WE COMPLETED THE SURVEY ON PARCEL #31, EXCEPT FOR THE TREE-FILLED AREA IN THE NE PORTION OF THE PARCEL. WE WILL SURVEY THAT AREA ON 7/30/02.

ALL PARTIES OFF SITE @ 18:45

2100-2200 EXPORTED DATA FILE FROM 7/29/02 AND E-MAILED DATA TO MARY JO CRANCE OF URS-ORCHARD PARK. SHE WILL PLOT THE DATA ON A PARCEL MAP & E/FAX IT TO US ON 7/30/02. THIS WILL ENSURE AS THOROUGH COVERAGE AS POSSIBLE.

Continued on Page

Read and Understood By

Signed 7-29-02 Date Signed Date

URS

282 Delaware Avenue
Buffalo, New York 14202
(716)856-5636

DATE July 30, 2002

DAY	S	M	T	W	TH	F	S
			X				

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
			X		

TEMP	To 32	32-50	50-70	70-85	85 up
					X

WIND	Still	Moder	High	Report No.
		X		

HUMIDITY	Dry	Moder	Humid	
			X	1

PROJECT MANAGER Dan Rothman, P.E.
PROJECT Dayton Unit IV
JOB No. 05000358 54.03
CONTRACT No. DACW-49-01-D-0001

SUB-CONTRACTORS ON SITE: None

EQUIPMENT ON SITE: Ludlum Model 2221 Ratemeter/Scaler With 3"x3" NaI Probe (44-10) Bicron 3M3/3
Trimble GPS - Pro XRS

WORK PERFORMED (INCLUDING SAMPLING):

- Performed Rad Scoping Survey @ Parcel #31 in Non-GPS Areas.
- Performed Rad Scoping Survey in Katherine Terrace Right of Way and Over a Portion of Parcel #12.
- Exported Data Files & E-Mail To Orchard Park & Salt Lake City Offices For Processing

SHEET 1 OF 2

DAILY QUALITY CONTROL REPORT

PROJECT DAYTON UNIT IV

JOB No. 05000035954.03

REPORT No. 1

DATE JULY 30, 2002

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS): NONE

HEALTH AND SAFETY LEVELS AND ACTIVITIES: LEVEL D

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

- UPON REVIEWING THE DATA FILE FROM 7/29/02, THE GPS COORDINATES FROM PARCEL #31 COULD NOT BE RETRIEVED. THE DATA WAS SENT TO URS SALT LAKE CITY OFFICE WHERE AN ASSUMED COORDINATE SYSTEM WAS ESTABLISHED.
- EXPERIENCED SOME DIFFICULTY CONFIGURING GPS UNIT. HAD TO CALL SERVICE REP TO SOLVE PROBLEM.

SPECIAL NOTES: SEE ATTACHED FIELD NOTES

TOMORROW'S EXPECTATIONS: CONTINUE RAD SCOPING SURVEY

BY DAVID I. SHEPPARD TITLE Sr. Env. Scientist / CHMM

URSF-003/2 OF 2/DQCREP

7-30-02 RADIOLOGICAL SCOPING SURVEY - DAY 2

WEATHER: TEMP= 90°F WINDS= SW@ 5-10MPH DESC= P. CLOUDY

ONSITE PERSONNEL	AFFILIATE	IN	OUT
D. SHEPPARD	URS	0745	1830
T. BATTAGLIA	URS	0745	1830
D. ROMANO	USACE	0800	1730
R. HOOVER	USACE	0800	1730

INSTRUMENT INFORMATION

- LUDLUM MODEL 2221 RATEMETER/SCALER W/ 3" x 3" MODEL ~~44-10~~ 3M3/3 NaI PROBE (BICRON)
- TRIMBLE GPS - ANTENNA & DATALOGGER MODEL PRO-XRS

THE NaI DETECTOR WAS CHECKED AGAINST THE FOLLOWING STANDARD

- Cs 137 - ONE MINUTE COUNT= 427,135 CPM

BACKGROUND WAS AGAIN RECORDED @ PARCEL #19. THE ESTABLISHED BACKGROUND FOR TODAY = 24,556 CPM

0830- TOM B. COMPLETED SURVEY @ PARCEL #31 BY COLLECTING DATA W/O
1100 THE GPS IN THE TREE COVERED AREA (NE PORTION OF PARCEL). I SET UP GRID ON KATHERINE TERRACE. TOM B. BEGAN/COMPLETED KATHERINE TERRACE SURVEY FROM 09:15 TO 10:00.
THE DATA WAS DOWNLOADED FROM THE GPS TO THE LAPTOP TO CHECK COVERAGE OF THE KATHERINE TERRACE SURVEY. THE DATA COULD NOT BE VIEWED DUE TO A CONFIGURATION ERROR IN THE GPS DATALOGGER DURING DATA COLLECTION. WE PHONED URS-O.P. TO SEE HOW THE DATA FROM 7/29/02 LOOKED. MARY JO SAID THAT SHE HAD GAMMA READINGS, BUT NO GPS COORDINATES. URS LEFT SITE @ 11:00 TO PHONE BUCKEYE/TRIMBLE TO FIGURE OUT WHY SURVEY COORDINATES WERE

Continued on Page

Read and Understood By

Signed 7-30-02 Date Signed Date

NOT BEING RECORDED. NO ONE @ BUCKEYE/TRIMBLE WAS ABLE TO HELP US WITH THIS PROBLEM. WE CALLED JEFF DAY (UBS-SALT LAKE CITY).

1100- JEFF WAS ABLE TO HELP US DETECT THE GLITCH WITH THE
1230 CONFIGURATION OF THE GPS UNIT. O.P. SENT DATA FILES FROM 7/29/02 TO JEFF TO SEE IF HE COULD RETRIEVE THE GPS DATA.

1230- TRAVEL BACK TO UNIT IV
1300

1300- RE-DO KATHERINE TERRACE SURVEY WITH SUCCESS. REVIEWED
1400 DATA FILE AND BOTH GAMMA & GPS DATA WERE PRESENT.

1400- SET UP GRID & PERFORM SURVEY OVER A PORTION OF PARCEL
1830 #12. COMPLETED ~ 80% OF THE SURVEY @ PARCEL #12. AFTER 17:30, SATELITE COVERAGE IN THE AREA WAS POOR & GPS COORDINATES COULD NOT BE COLLECTED.

RAY HOOVER REQUESTED WE COLLECT ADDITIONAL BACKGROUND READINGS IN THE AFTERNOON. TOM B. COLLECTED FROM THE SAME LOCATION ON PARCEL # 19. THE AVERAGE (PM) BACKGROUND READING @ 18:15 = 24,597 CPM.

OFFSITE @ 18:30

2000- EXPORT DATA & E-MAIL TO O.P. OFFICE.
2100

Continued on Page

Read and Understood By

Signed 7·30·02 Date Signed Date

URS

282 Delaware Avenue
Buffalo, New York 14202
(716)856-5636

DATE JULY 31, 2002

DAY	S	M	T	W	TH	F	S
				X			

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
	(Bright Sun)				

TEMP	To 32	32-60	60-70	70-85	85 up
					X

WIND	Still	Moder	High	Report No.
	✓			1

HUMIDITY	Dry	Moder	Humid
			✓

PROJECT MANAGER DAN ROTHMAN, P.E.
PROJECT DAYTON UNIT IV
JOB No. 0500035854.03
CONTRACT No. DACW-49-01-D-0001

SUB-CONTRACTORS ON SITE: NONE

EQUIPMENT ON SITE: LUDLUM MODEL 2221 RATEMETER/SCALER WITH 3"x3" NaI PROBE (~~44-10~~) BICRON 3M3/3
TRIMBLE GPS - PROXRS

WORK PERFORMED (INCLUDING SAMPLING):

- COMPLETED RAD SCOPING SURVEY @ PARCEL #12.
- PERFORMED RAD SCOPING SURVEY @ PARCELS # 32 & #19.
- EXPORT DATA FILES & E-MAIL TO ORCHARD PARK & SALT LAKE CITY OFFICES FOR PROCESSING.

SHEET 1 OF 2

DAILY QUALITY CONTROL REPORT

PROJECT DAYTON UNIT IV

JOB No. 05 00035854.03

REPORT No. 1

DATE JULY 31, 2002

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS): NONE

HEALTH AND SAFETY LEVELS AND ACTIVITIES: LEVEL D

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

- USACE REQUESTED THAT URS LOG DATA COLLECTED IN AREAS WITH NO GPS SIGNAL. URS USED THE HYPER-TERMINAL SOFTWARE ON LAPTOP TO LOG GAMMA READINGS.

SPECIAL NOTES: SEE ATTACHED FIELD NOTES

TOMORROW'S EXPECTATIONS: COMPLETE RAD SCOPING SURVEY

BY DAVID J. SHEPPARD TITLE Sr. Env. Scientist/SHMM

URSF-003/2 OF 2/DQCREP

PROJECT DAYTON UNIT IV 35854.03 Notebook No. DU1

Continued From Page 29

7-31-02 RADIOLOGICAL SCOPING SURVEY - DAY 3

WEATHER TEMP= 90°F WINDS- VAR @ 5MPH DESC: SUNNY

ONSITE PERSONNEL	AFFILIATE	IN	OUT
D. SHEPPARD	URS	0730	1830
T. BATTAGLIA	URS	0730	1830
D. ROMANO	USACE	0800	1700
R. HOOVER	USACE	0800	1700

INSTRUMENT INFORMATION

- LUDLUM MODEL 2221 RATEMETER / SCALER W/ 3" x 3" MODEL ~~2410~~ NaI PROBE
  Bicron 3M3/3
- TRIMBLE GPS - ANTENNA & DATALOGGER MODEL PRO-XRS

THE NaI PROBE WAS CHECKED AGAINST A Cs 137 SOURCE. THE ONE MINUTE COUNT = ~~432,456~~ CPM. DS 7-31-02
431,578

BACKGROUND WAS AGAIN RECORDED ON PARCEL #19. THE ESTABLISHED BACKGROUND FOR TODAY = 26,084 CPM.

0830 COMPLETE SURVEY ON PARCEL #12. THE SURVEY WAS COMPLETED IN
0945 THE EAST & WEST SIDES OF PARCEL #12. THE CENTRAL PORTION OF THE PARCEL WAS SURVEYED ON 7/30/02. DOWNLOADED DATA & PREP FOR PARCEL # 32 SURVEY (GRIDDED 3' TRAVERSES)

0945 CONDUCTED SURVEY OVER THE MAJORITY OF PARCEL # 32. SIGNIFICAN
1145 TREE COVER IN FRONT OF THE RESIDENCE (ALONG RUNNYMEDE) INHIBITED GPS COVERAGE. WE WILL WALK THE AREA W/O THE GPS AFTER LUNCH.

1145- LUNCH BREAK / REFUEL VEHICLE
1230

Continued on Page

Read and Understood By

Signed 7-31-02 Date Signed Date

1230- WALKED EAST (FRONT) PORTION OF PARCEL # 32. TOM B. USED
1400 A BROOM HANDLE AND TAPED THE 3"x3" NAI PROBE ONE-FOO
FROM THE BOTTOM (END) OF THE BROOM HANDLE. THIS WAS DONE TO
ENSURE THAT THE PROBE & CORRESPONDING MEASUREMENTS ARE
ARE CONSISTENT WITH THE JOGGING STROLLER METHOD. EARPHO
WERE ALSO USED TO DETECT ANY AUDIBLE COUNT RATE INCRE

1400- COMPLETED SURVEY @ PARCEL #19. OPEN AREAS ON THE PARCEL
1800 WERE GRIDDED USING 3' LINE SPACING. MUCH OF THE CENTER
& BACK (WEST) PORTIONS OF THIS PARCEL ARE COVERED BY A LAR
HOUSE & EXTENSIVE PATIO. WE HAD TO DO A SIGNIFICANT PORTIO
OF THE SITE W/O THE GPS DUE TO AREAS WITH HEAVY TRE
CANOPY.
RAY HOOVER REQUESTED THAT WE COLLECT GAMMA READINGS IN
AREAS W/O GPS COVERAGE. HE FEELS THAT HAVING A GROUP OF
DATA IN THESE AREAS WOULD BE BENEFICIAL TO THE PROJECT
V.S. WALKING THESE AREAS WHILE WATCHING THE METER & LISTENIN
FOR INCREASED COUNT RATES. WE USED HYPERTERMINAL SOFTWARE
WITH A LAPTOP TO COLLECT DATA FROM PORTIONS OF PARCEL #19
THE FOLLOWING FILES WERE CREATED:

- PARCEL 32-19 FENCELINE (SELF EXPLANATORY)
- PARCEL 19 BACK (WEST) - CONSISTS OF DATA FROM TREE COVE
AREA IN BACKYARD OF PARCEL #19.

1800- DOWNLOAD FILES FROM GPS TO LAPTOP. BREAKDOWN EQUIPMENT.
1830 OFFSITE @ 18:30

2000- EXPORT DATA AND E-MAIL TO O.P. OFFICE
2100

USACE/URS MET WITH LANCE FROM THE OAKWOOD PRESS NEWSPAPER. HE
TOOK A FEW PHOTOS OF TOM & I FOR AN UPCOMING EDITION.

Continued on Page

Read and Understood By

Signed 7-31-02 Date Signed Date

URS

282 Delaware Avenue
Buffalo, New York 14202
(716)856-5636

DATE August 1, 2002

DAY	S	M	T	W	TH	F	S
					X		

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	85 up X
WIND	Still X	Moder	High	Report No.	
HUMIDITY	Dry	Moder	Humid X	1	

PROJECT MANAGER Dan Rothman, P.E.
PROJECT Dayton Unit IV
JOB No. 0500035854.03
CONTRACT No. DASW-49-01-D-0001

SUB-CONTRACTORS ON SITE: None

EQUIPMENT ON SITE: Ludlum Model 2221 Ratemeter/Scaler With Bicron 3"x3" NaI Probe (4N0) 3M3/3
Trimble GPS - Pro XRS

WORK PERFORMED (INCLUDING SAMPLING):

- Completed Rad Scoping Survey on Parcel #19 & Parcel #30.
- Used Laptop With Hyperterminal To Collect Data From Areas With No GPS Signal (i.e. Dense Tree Areas).
- Completed Rad Scoping Survey In Former Swale Along Runnymede Road On Parcels #19, #34, & #35.
- Exported Data Files & E-Mail To Orchard Park & Salt Lake City Offices For Processing.

SHEET 1 OF 2

DAILY QUALITY CONTROL REPORT

URSF-003/1 OF 2/DQCREP

PROJECT DAYTON UNIT IV

JOB No. 0500035854.03

REPORT No. 1

DATE AUGUST 1, 2002

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS): NONE

HEALTH AND SAFETY LEVELS AND ACTIVITIES: LEVEL D

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN: NONE

SPECIAL NOTES: SEE ATTACHED FIELD NOTES

TOMORROW'S EXPECTATIONS: TRAVEL TO BUFFALO, NY

BY DAVID J. SHEPPARD TITLE Sr. Env. Scientist, CHMM

URSF-003/2 OF 2/DQCREP

8-1-02 RADIOLOGICAL SCOPING SURVEY - DAY 4

WEATHER: TEMP= 95°F WINDS= CALM DESC= BRILLIANT SUNSHINE

ONSITE PERSONNEL	AFFILIATE	IN	OUT
D. SHEPPARD	URS	0730	1815
T. BATTAGLIA	URS	0730	1815

INSTRUMENT INFORMATION
- LUDLUM MODEL 2221 RATEMETER / SCALER W/ 3"x 3" MODEL ~~44-10~~ 3M3/3 NaI PROBE
  Bicron
- TRIMBLE GPS - ANTENNA & DATALOGGER MODEL PRO-XRS

THE NaI PROBE WAS CHECKED AGAINST A Cs 137 SOURCE. THE ONE MINUTE COUNT = 432,451 CPM

BACKGROUND WAS AGAIN RECORDED ON PARCEL #19 THE ESTABLISHED BACKGROUND FOR TODAY = 25,022 CPM.

0830- PERFORMED SURVEY W/O GPS OVER TREE COVERED AREA ON PARCEL
1130 # 19. THE AREA ALSO INCLUDES THE NORTHERN PORTION OF THE FORMER DRAINAGE SWALE ALONG RUNNYMEDE ROAD. WE LINKED THE 2221 TO THE LAPTOP & WALKED ALONG GRID LINES SPACED @ 3' INTERVALS. THE REMAINDER OF THE SWALE WAS GRIDDED (AS ABOVE) AND WE BEGAN THE SURVEY IN THIS AREA. SATELITE COVERAGE / AVAILABILITY WAS POOR @ 11:30, ∴ WE WENT TO LUNCH.

1130- LUNCH BREAK
1215

1215- PERFORMED SURVEY ON PARCEL # 30. THE SITE WAS UNUSUALLY
1530 SHAPED SO BOTH TOM & I WALKED THE PARCEL TO ENSURE THOROUGH COVERAGE. WE ALSO COLLECTED GPS COORDINATES ON PARCEL # 31 TO BE USED TO SET THE DATA

Continued on Page

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Signed 8-1-02 Date Signed Date

AS NO GPS WAS COLLECTED FROM PARCEL #31.

1530- TOM & I REVIEWED ALL THE DATA FILES TO IDENTIFY GAPS IN
1815 COVERAGE. WE IDENTIFIED SEVERAL DATA GAPS, ALL OF WHICH WERE IN AREAS WHERE GPS COVERAGE WAS POOR. WE WALKED THE FOLLOWING AREAS (LISTED BY FILE NAME FIRST) W/O GPS, BY COLLECTED GAMMA READINGS ON THE LAPTOP.

- PARCEL 12-30 FENCELINE & PARCEL 12-30 FENCELINE A - CONSISTS OF DATA FROM TREE COVERED & LANDSCAPED (FLOWER BEDS) AREA ON N & S SIDE OF FENCELINE BETWEEN PARCELS #12 & #30.
- PARCEL 19 FRONT - CONSISTS OF DATA COLLECTED FROM TREE COVERED AREA IN FRONT OF HOUSE, ALONG RUNNYMEDE ROAD.
- PARCEL 19 WEST OF DRIVEWAY - CONSISTS OF DATA FROM A LANDSCAPED AREA IN & AROUND A STONE STAIRWAY, W OF DRIVEWAY
- PARCEL 30 NSCAPE-FRONT OF HOUSE - CONSISTS OF DATA FROM LANDSCAPED AREA IN FRONT OF & EAST OF THE HOUSE
- PARCEL 31-12 CORNER - CONSISTS OF DATA FROM A SMALL TREE & BRUSH COVERED AREA WHERE PARCEL #31 & #12 MEET.
- PARCEL 34 SWALE - CONSISTS OF DATA FROM A TREE COVERED AREA ON PARCEL #34 IN THE SWALE SURVEY AREA.

1815- BROKE DOWN EQUIPMENT & OFF SITE

1845- EXPORT DATA & E-MAIL TO URS - SALT LAKE CITY
1930

Continued on Page

Read and Understood By

Signed 8-1-02 Date Signed Date

URS

November 6, 2002

U.S. Army Corps of Engineers
Attn: David Romano, Project Manager
1776 Niagara Street
Buffalo, NY 14207-3199

RE: QUALITY CONTROL REPORT FOR THE SOIL BORING AND SAMPLING AT DAYTON UNIT IV – RUNNYMEDE PLAYHOUSE

Dear Dave:

This transmittal consists of the Quality Control Report (QCR) for the field work preformed at the Dayton Unit IV site from August 19, 2002 through August 22, 2002. The QCR is a deliverable requirement in accordance with Section 5.2 of the Engineering & Design Quality Control Plan (URS 08/2001). A summary of activities is listed below and details of the activities are presented in the attached Daily Quality Control Reports. Sample locations are shown on the attached figure.

August 19, 2002 – URS arrived on site and met with Dave Romano and Ray Hoover (USACE – Buffalo District), and John Hall of Summit Drilling. URS conducted a safety meeting for all personnel working on the site under this contract. The radiation survey equipment was checked against a source and background readings were established on Parcel # 19. The site was walked by URS and USACE personnel to verify that the utilities had been marked. No subsurface work was performed today.

August 20, 2002 – Began soil boring and sampling program. Completed ten soil borings (GP-01, -02, -03, -05, 06, -07, -08, 09, -10, and 11) to 8 feet below ground surface (bgs). No elevated gamma readings were encountered during soil core scanning. One soil sample was collected from each of the soil borings from a predetermined depth interval. Collected one blind duplicate at GP-11 and one USACE split at GP-6.

August 21, 2002 – Completed twelve soil borings (GP-12, -13, -14, -15, -16, -17, -18, -19, -20, -23, C-1, C-3, and C-4) to 8 feet bgs. No elevated gamma readings were encountered during soil core scanning. One soil sample was collected from each of the soil borings from a predetermined depth interval. Collected MS/MSD at soil borings GP-12 and GP-16. Collected blind duplicate at GP-19 and one USACE split sample at GP-17. The OEPA split samples include GP-16, C-1, GP-19 and GP-20.

August 22, 2002 – Completed four soil borings (GP-13, -21, -22, and S-5) to 8 feet bgs. No elevated gamma readings were encountered during soil core scanning. One soil sample was collected from each soil boring from a predetermined depth interval.

September 25, 2002 – Completed final soil boring (GP-04) to a depth of 8 feet bgs on Parcel # 28. No elevated gamma readings were encountered during soil core scanning. One soil sample was

URS Corporation
282 Delaware Avenue
Buffalo, NY 14202-1805
Tel: 716.856.5636
Fax: 716.856.2545

collected from this boring. This boring was completed during the field work at Dayton Unit III due to right of entry issues.

Please call me if you have any questions regarding this submittal.

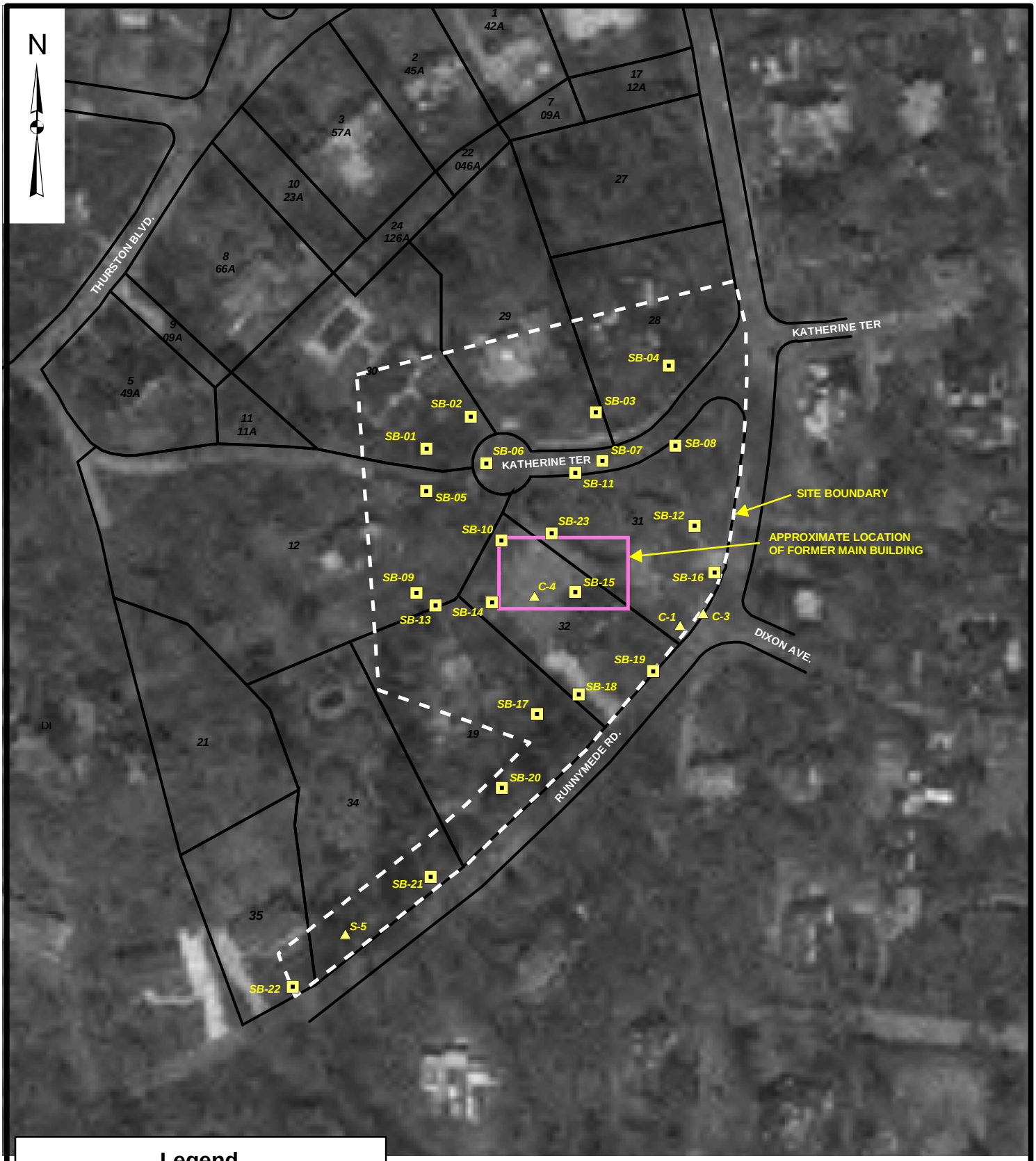
Sincerely yours,

URS Group, Inc.

David J. Sheppard, CHMM
Project Scientist

enc.

cc: Donald Hunt – URS
Bill Duggan – URS
Tom Battaglia – URS
File: 11171422 (C-1)



Legend

- Unbaised Soil Sample Location
- Baised Soil Sample Location

0 75 150 300 Feet

URS

DAYTON UNIT IV - RUNNYMEDE PLAYHOUSE
SOIL BORING AND SAMPLE LOCATIONS

FIGURE 5

N:\11171422.00000\GIS\ArcMap\samplelocations.mxd Date: 10/22/2003 7:56:31 AM

URS
282 Delaware Avenue
Buffalo, New York 14202
(716)856-5636

DATE 8/19/02

DAY	S	M	T	W	TH	F	S
		✓					

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
		✓	✓		
TEMP	To 32	32-50	50-70	70-85	85 up
				✓	
WIND	Still	Moder	High	Report No.	
		✓		1	
HUMIDITY	Dry	Moder	Humid		
			✓		

PROJECT MANAGER D. Rothman
PROJECT Dayton Unit IV
JOB No. 11171422.00
CONTRACT No. DACW-49-01-D-0001

SUB-CONTRACTORS ON SITE: Summit Drilling

EQUIPMENT ON SITE: Flatbed Truck, trailer, Geoprobe 54LT

WORK PERFORMED (INCLUDING SAMPLING):

- Travel Buffalo to Dayton
- check utilities cleared
- locate sample (Geoprobe points) points
- locate and pick up replacement explosimeter

SHEET 1 OF 2

DAILY QUALITY CONTROL REPORT

PROJECT Dayton Unit IV
JOB No. 11171422.00

REPORT No. 1
DATE 8/19/02

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

Background check
Calibrate instruments

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Level D
Initial site specific Safety Briefing

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

O_2 sensor Failed on explosimeter.
No probing until working unit in place
Order and pick up replacement at Hazco

SPECIAL NOTES: Plan Full operations at 0800 8/20/02

TOMORROWS EXPECTATIONS: Will attempt sample points GP-1 Through GP-10

BY John Doan TITLE Geologist

URSF-003/2 OF 2/DQCREP

PROJECT DAYTON UNIT IV 11171422.00 35854.03 Notebook No. DU1

Continued From Page

8/19/02
0600 J. Doerr + T. Battaglia Travel from Buffalo to Dayton Ay road
1336 Arrive at Unit IV site - John Hall of Summit drilling on site. J. Doerr calls D. Sheppard URS to advise. T. Battaglia phoning D. Romano COE no answer. D. Sheppard advise J. Doerr D. Romano has other phone and gives J. Doerr new number. T. Battaglia contacts D. Romano
1350 J. Doerr + T. Battaglia set up for safety meeting with J. Lang
1352 T. Battaglia gives J. Doerr + J. Lang site History over view and contaminants of concern
1403 D. Romano and R. Hoover arrive at Unit IV T. Battaglia calibrates meters against known source Summit supplies fully tracked walk beside Geoprobe 54 LT. All vehicles at west end of Katherine Terrace
Personnel on site:
John Hall - Summit Drilling
Dave Romano - USACE
Ray Hoover - USACE
John Doerr - URS (Buffalo)
Tom Battaglia - URS (Orchard Park)
1414 Tom Battaglia off site to background station for background readings. J. Doerr + J. Hall locate initial boring locations GP-1 through GP-8
1431 T. Battaglia returns to Unit IV site
Begin site set up - conclude safety briefing
J.D calibrates Mini Rae + Trigas
- Ludlum 2221 w/ 3"x3" NaI probe - Ratmeter/Scaler
- Ludlum 2 Frisker Pancake probe
- Ludlum 12 Alpha probe
- Mini Rae 2000 PID
- Bacharach Sentine 4X - O_2/H_2S/Explosimeter

Continued on Page

Read and Understood By

Signed 8/19/02 Date Signed

34
PROJECT Dayton Unit IV 1117422.00 Notebook No. _____
Continued From Page _____

8/19/02 The NaI was checked against Cs 137 check Source
Readings 428,896 cpm 1-1 minute count
Average for 10-1-minute counts 24,441
Calibrate MiniRae 99.3 ppm isobutylene air
Calibrate Trigas meter, 20.3% O_2
1449 - D Romano + R. Hoover depart site
Ludlum 2 - Frisker - Tc-99 check Source 2,500 cpm
Background 40-60 cpm
Ludlum 12 - Th-232 check source 2,600 cpm
Background <10
1508 - All set up to begin probing
1509 - R. Hoover, D Romano return to site, J. Doerr
D. Romano call on Mrs Shaw and Mrs Browning
explain we'll be starting work this week
1522 Bacharach Tri gas alarm sounds "O_2 Sensor
failed. J. Doerr T. Battaglia, R. Hoover
discuss options. R. Hoover will not approve
intrusive work without functioning
Explosimeter. No more drilling for the day.
1528 J. Doerr phones D. Sheppard no replacement
meters at URS However Total Safety (Hazco)
located in Dayton. J. Doerr will arrange a
pick up at Hazco of an explosimeter, D
Sheppard will write up Purchase Order
1541 D Romano + R. Hoover depart site, T Battaglia
assists J. Hall in loading the equipment.
J. Doerr arranges pick up
1602 Depart site for Hazco
1643 Pick up new MX 251 O_2 Hel meter
1704 arrive at Hotel - JD to complete TR

Continued on Page

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Signed Date Signed Date

URS
282 Delaware Avenue
Buffalo, New York 14202
(716)856-5636

DATE 8/20/02

DAY	S	M	T	W	TH	F	S

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	85 up
WIND	Still	Mod.	High	Report No.	
HUMIDITY	Dry	Mod.	Humid	2	

PROJECT MANAGER D. Rothman
PROJECT Dayton Unit IV
JOB No. 11171422.00
CONTRACT No. DACW-49-01-D-0001

SUB-CONTRACTORS ON SITE: Summit Drilling Company J. Hall

EQUIPMENT ON SITE: Geoprobe 54LT Stake Truck, Trailer

WORK PERFORMED (INCLUDING SAMPLING):

- 10 Boreholes (Samples) completed GP 1, 2, 3, 5, 6, 7, 8, 9, 10, 11
- 1 Blind Dupe collected (GP-11)
- Split sample with USACE collected (GP-6)

SHEET 1 OF 2

DAILY QUALITY CONTROL REPORT

PROJECT Dayton Unit IV
JOB No. 11171422.00

REPORT No. 2
DATE 8/20/02

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

Ludlum 2221 checked against Known source
Ludlum 2 checked against Known Source
Ludlum 12 checked against Known Source
Background checked
PID calibrated - isobutylene in air

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Level D
"Tail gate" safety meeting

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

Geoprobe unit could not drill GP-11, 12 safely because of slope - client agreed to relocate sampling points

SPECIAL NOTES:

TOMORROW'S EXPECTATIONS: Complete GP-12 to 22

BY [signature] TITLE Geologist

URSF-003/2 OF 2/DQCREP

PROJECT Dayton Unit IV 11171422.00 Notebook No. _____

Continued From Page _____

08/20/02

0806 Arrive on site
Personnel Present
J. Doerr - URS Buffalo - Geologist
T. Buttaglia - URS QR - RSO
J. Hall - Summit Drilling - Geoprobe operator
D. Romano USACE - Oversight
R. Hoover USACE - oversight
wx: ~70°F light NE wind (5-10 mph) slight chance of rain
0811 - Tailgate Safety meeting
0817 - T. Buttaglia departs for Background check
J. Doerr sets up
Background Readings
- Ludlum 2221 - 25,868 cpm
- Ludlum 2 - 60 cpm
- Ludlum 12 - 410 cpm
Calibrate Mini Rae 2000 99.3 ppm isobutylene in air
0852 Set up on GP-1, S side of drive Browning Residence
0857 Begin GP-1
0905 Finish GP-1, operator moves to GP-2. PID 0.0, 20.6% O2
0930 Collect Sample GP-1 @ 6' as per random chart
No readings above background Photo #27-D4-SB-024/04
0939 Begin GP-2
0944 Finish GP-2 PID 0.0 ppm 20.7% O2, 0% lel
0954 Photo #26 - Roll-1
1006 Collect Samples GP-2, 3' D4-SB-024/01-05
1020 Begin GP-3
1026 Finish GP-3 PID 0.0 ppm, 20.6% O2 0% lel move to GP-5
1029 Photo #25
D4-SB-034/01-05
1045 Collect Sample GP-3 @ 3', D. Romano Speaks to Mrs Taylor
1052 Begin GP-5
1058 Complete GP-5, PID 0.0 ppm 20.6% O2 0% lel; move to GP-6
1101 Photo 24

Continued on Page

Read and Understood By

Signed _____ Date 8/20/02

Signed _____ Date _____

PROJECT Dayton Unit IV 1117422.00 Notebook No. _____

Continued From Page _____

8/20/02
1110 Sample GP-5 - 6' D4-SB-05W/04-08
1124 Begin GP-6
1131 Complete GP-6 PID 0.0, 20.7% O_2 0% lel
1136 Photo # 2#3
1150 Sample GP-6 - 5 D4-SB-06W/03-07
1152 - J. Hall off site for lunch, collect USACE split samp
1159 - D. Romano & R. Hoover off site for lunch, Photo 23
1207 - T. Battaglia departs site for Food run. J. Doerr remains on site - Sample and equipment custodian
1223 - T. Hall returns to site. GP-9 & 10 accessable GP-11 & 12 will either require mobbing hand held im or move location, slope too steep.
1246 T. Battaglia returns to site
1307 Call D. Shepard - No labels were shipped with Severn Trent paper work explain the safety problem for drilling at C-1, GP-11 and 12 labels will be shipped to the Hotel, Fed Ex
1328 - Stop on GP-7
1335 - Utilities in area of GP-7 From gas line in lawn sewer and water under road move to south side
1337 Begin GP-7 D Romano & R. Hoover Return to site
1342 Finish GP-7 PID=0.0 20.6% O_2 0% lel
1346 Photo #2 & 22 Summit moves to GP-8
1258 Sample GP-7-5 D4-SB-07W/03-07
1411 Begin GP-8
1412 Finish GP-8 PID 0.0 ppm @ 21.1% O_2 0% lel
1440 Move to GP-11 Sample GP-8 Photo # 221 D4-SB-08W/01-02
1449 Begin GP-11
1453 Finish GP-11 PID 0.0 ppm 20.9% O_2 0% lel
1510 Sample GP-11 4-8 and Blind duplicate Photo #20
1529 Begin GP-10 D4-SB-11W/04-08
1536 Finish GP-10 PID 0.0 ppm 20.8% O_2 0% lel
Move to GP-9
1542 Photo # 2019
1555 Sample GP-10-3 D4-SB-10W/01-05

Continued on Page

Read and Understood By

Signed 8/20/02 Date

Signed Date

URS
282 Delaware Avenue
Buffalo, New York 14202
(716)856-5636

DATE 8/21/02

DAY	S	M	T	(W)	TH	F	S

WEATHER	(Bright Sun)	Clear	Overcast	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	(85 up)
WIND	Still	(Moder)	High	Report No.	
HUMIDITY	Dry	Moder	(Humid)	3	

PROJECT MANAGER D. Rothman
PROJECT Dayton Unit IV
JOB No. 1117 1423.00
CONTRACT No. DACW-49-01-D-0001

SUB-CONTRACTORS ON SITE: Summit Drilling Co

EQUIPMENT ON SITE: Flat bed Truck, Trailer, Geoprobe 5427

WORK PERFORMED (INCLUDING SAMPLING):

- Completed 12 boreholes
  GP-12, 14, 15, 16, 17, 18, 19, 20, 23, C-1, C-3, C-4
- Collected 17 samples from above boreholes including MS/MSD @ GP-12, 16
  Blind Duplicate at GP-19
- USACE Split sample at GP-~~20~~ SD 17
- OEPA Split Samples at GP-16, C-1, GP-19 and GP-20

SHEET 1 OF 1

DAILY QUALITY CONTROL REPORT

URSF-003/1 OF 2/DQCREP

PROJECT Dayton Unit IV
JOB No. 1117 1422.00

REPORT No. 3
DATE 8/21/02

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

Background and calibration of all instrument
completed QA/QC samples 2 MS/MSD, 1 Blind duplicate

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Level D
Tailgate meeting

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

Shallow bedrock at 2 probe locations
took extra borings to acquire enough
sample material

SPECIAL NOTES: Oversight include additional personnel from
USACE, DOE and OEPA

TOMORROWS EXPECTATIONS: complete boreholes, sampling
ship samples, begin to close site

BY [signature] TITLE Geologist

URSF-003/2 OF 2/DQCREP

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PROJECT Dayton Unit IV 11171422.00 Notebook No. _____
Continued From Page _____

8/21/02
0800 - Arrive on site, set up in yard Runaynecle + Dixon
Personnel:
- J Doerr URS Buffalo Geologist
- T. Battaglia URS OA RSO
- J. Hall Summit Drilling Operator

WX: Clear Sunny, Humid ~60°F, High expected 85°F
Wind SE 5-10 mph

0822 T. Battaglia takes daily Background Readings
Ludlum 2221 25,496 cpm
Ludlum 2 60 cpm
Ludlum 12 <10 cpm
Calibrate Mini Rae 99.1 ppm isobutylene in air

0840 Tailgate Safety meeting conducted by T. Battaglia
0852 Begin GP-12
0902 Photo #17 GP 12 0'-8'
0907 Finish GP-12 PID 0.0 ppm 21.1% O_2 0% LEL
0915 Collect D4-SB-12W/00-04' plus MS/MSD
0923 Begin GP-16
0932 Charred ashy debris at ~7.3' will sample 8-12
0943 Finish GP-16; PID 0.0, O_2 21.0% 0% LEL
0948 Photo #16
0952 D Romano, R. Hoover USACE, arrive on site
Also W. Lohnes OEPA
R. Neff DOE Miamisburg
T. Hampling USACE
R. Church USACE
1000 Collect Samples D4-SB-12W/00-04 MS, MSD
1006 W. Lohnes OEPA Requests resample and split of GP-16 - He would like auger from ~7.0
J Hall moves Rig to 16 and collects samples
1015 Collect D4-SB-16W/04-08 Split for OEPA

Continued on Page

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8/21/02

PROJECT Dayton Unit IV 1127.1422.00 Notebook No. _____ 39

Continued From Page _____

Move to C-3 as pointed out by P. Neff
1024 Begin C-3, Client wants sample duplicated from original - in landscaped mulched area
1039 Complete GP-C3 PID 0.0 ppm, O_2 21.0% 0% Lel
1037 Photo 15, USACE, DOE, OEPA off site
1045 Sample D4-SB-C3B/03-0-00
1105 Move to C-4 Back yard cluster will do all 4 borings then take material to sample
1109 Begin GP-23
1115 Finish GP-23, PID 0.0ppm 20.9% O_2 0% Lel
1119 Begin GP-14
1124 Complete GP-14 PID 0.0ppm 21.0% O_2 0% Lel
1126 Begin C-4
1130 Complete C-4 PID 0.0ppm 21.0% O_2 0% Lel
1132 Begin GP-15
1137 Refusal on bedrock at 4.0'
PID 0.0 ppm 20.7% O_2 0% Lel
1140 Move ~2' west
1142 Same result, keep original sample
1148 Photo 14, GP-23 J. Hall off site lunch
1150 Collect sample D4-SB-23a/03-07
1159 Photo # 13 - GP-14 T. Battaglia off site supplies food
1215 Collect Sample D4-SB-14a/00-04
1220 Photo # 12 C-4
1230 Sample D4-SB-C4B/01-05, J. Hall on site
1237 Photo # 11 GP-15
1245 Collect Sample D4-SB-15a/00-04
Note
W. Lohner has left bottles and map locations for 54 additional split samples
C-1, GP-19, GP-17 and GP-20, GP-5-5
The following sample points were by USACE after concurrence with DOE and OEPA to original locations: C-1 GP-20 5-5
1800 T. Battaglia returns with supplies

Continued on Page

Read and Understood By

Signed _____ Date 8/21/02

OJECT Dayton Unit IV 1117422.00 Notebook No. _____ Continued From Page _____

/21/02

315 Move and set up on C-1, D. Romano, R. Hoover, USACE, and W. Lohner OEPA return to site
25 Begin C-1
28 Refusal at ~2.5' move ~2' redrive sample
33 Complete C-1 ad -2.5 - 3.0' 3 tries
334 Photo #10 C-1; Note random sample depth chart calls for 7' refusal at 3'
40 USACE OKs driller moving through Twp in order to get to GP-19. Collect D4-SB-C1B/00-03 and OEPA split
48 USACE + OEPA off site
50 Begin GP-19
59 Finish GP-19
01 Photo #9 GP-19
15 Collect D4-SB-19U/04-08 and OEPA split sample
19 Move to GP-18
5 Begin GP-18
28 USACE D Romano, R. Hoover on site
34 Finish GP-18, R. Hoover shows J. Doerr new locations for GP-20, S-5
37 Photo #8 GP-18 USACE Departs site
0 Collect Sample D4-SB-18U/00-04
5 Call D. Sheppard update and move to GP-17
9 Begin GP-17
3 Complete GP-17
5 Begin GP-20
30 Complete GP-20
38 Photo #7 GP-17
50 Collect sample D4-SB-17U/01-05 and USACE split
02 Photo #6 GP-20
10 Sample D4-SB-20U/00-04 pack up site
12 Depart site for E.R.

Continued on Page

Read and Understood By

URS
282 Delaware Avenue
Buffalo, New York 14202
(716)856-5636

DATE 8/22/02

DAY	S	M	T	W	(TH)	F	S

WEATHER	(Bright Sun)	Clear	Overcast	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	(85 Up)
WIND	Still	(Mod.)	High	Report No.	
HUMIDITY	Dry	Moder	(Humid)	4	

PROJECT MANAGER D. Rothman
PROJECT Dayton Unit IV
JOB No. 11171422.00
CONTRACT No. DACW-49-01-D-0001

SUB-CONTRACTORS ON SITE: Summit Drilling

EQUIPMENT ON SITE: Flatbed Truck, trailer, Geoprobe 54 LT

WORK PERFORMED (INCLUDING SAMPLING):

- Completed last 4 borings
- Collected GP-13, 21, 22, 55
- Shipped samples
  USACE Air bill # 8323 7185 6850
  URS 8213 6642 1468
- Summit off site @ ~1080
- All borings marked ~ 1/2 measured

SHEET 1 OF 2

DAILY QUALITY CONTROL REPORT

PROJECT Dayton Unit IV
JOB No. 11171422.00
REPORT No. 4
DATE 8/22/02

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

Daily calibration and background of all meters

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Level D
Tail gate meeting

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

None

SPECIAL NOTES:

TOMORROW'S EXPECTATIONS: Finish measuring bore hole locations
Travel

BY John Doe TITLE Geologist

URSF-003/2 OF 2/DOCREP

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PROJECT Dayton Unit IV 1117422.00 Notebook No. _____
Continued From Page _____

8/22/02 Day 4

1055 Collect sample D4-SB-134/00-04
1102 Summit drilling off site. Total time 10.5 hrs
Stand by including 3hrs on Monday (no drill
O2 Sensor failed and 1/2 hour each morning wh
we set up check background
1115 Random #1 depth number for GP-22 is 7' hou
will collect 0-4 because of ash layer
1120 Collect Sample D4-SB-22U/00-04
1135 Collect Sample D4-SB-55B/00-04 and
OEPA split sample
1155 Begin labeling ~~and~~ taping and packing samples
1150 Collect Sample D4-SB-2U/00-04
1250 Lt. John OEPA picks up split samples
1426 Call D Sheppard with update leave message
1435 Depart site to finish at hotel
1450 Arrive hotel Call R. Fairbanks about lack o
labels we will purchase blank labels to c
continue with labels
1601 Finish the rest of the labels Resume packing sa
1638 COE split cooler - Ready for ice and sealing
Air bill and COC done Resume other Sampl
1751 All samples taped and packed, make out
Air bills COC, Label coolers, pack with
ice
1845 Coolers ready leave for Fed Ex
1720 Coolers shipped return to hotel

Continued on Page

Read and Understood By

Signed 8/22/02 Date Signed Date

8/22/02 Day 4
0800 Personnel on Site:
J. Doerr URS Buffalo Geologist
T. Battaglia URS OP RSO
J. Hall Summit Drilling Operator
D. Romano USACE
R. Hoover USACE
Set up - safety meeting
wx: Clear sunny 75°F wind SW 10-15 mph Humid
High 90°F with cloudy and humid later

Background and instrument calibration
Ludlum 2221 26,572 cpm
Ludlum 2 60 cpm
Ludlum 12 <10 cpm
Nine Rae 2000 99.3 ppm isobutylene
Probe set up at GP-13
0912 Begin GP-13
0917 Complete GP-13 PID 0.0 ppm O_2 20.6% LEL 0%
Move to GP-22 USACE D. Romano, R. Hoover off site
0939 Begin GP-22
0945 Complete GP-22 PID 0.0 ppm 20.5% O_2 0% lel
0949 Begin S-5
0953 Complete S-5 PID 0.0 ppm 20.6% O_2 0% LEL
Move to GP-21
0959 Begin GP-21
1003 Complete GP-21 PID 0.0 ppm O_2 21.0% 0% lel
1021 Photo 5 - GP-13
1026 Photo 4 - GP-22
1028 Summit begins decon Mobd out
1032 Photo 3 S-5
1037 Photo 2 GP-21
1039 W. Lohner OEPA calls about when he can come out and pick up OEPA splits
1040 Phone L. Sheppard leave message about stand by overson ask to return call

Continued on Page

Read and Understood By

Signed _____ Date 8/22/02

Signed _____ Date _____

ATTACHMENT B

VALIDATION SUMMARY TABLES

DEFINITION OF VALIDATION QUALIFIERS

The following are definitions of the validation qualifiers assigned to results during the data review process.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

B - For metals - the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

NA - No Activity (radiochemistry)

ATTACHMENT B
TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
DAYTON UNIT IV

Location ID		C-1	C-3	C-4	S-5	SB-01
Sample ID		D4-SB-C1B/0-3	D4-SB-C3B/3-7	D4-SB-C4B/1-5	D4-SB-S5B/0-4	D4-SB-01U/4-8
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-3.0	3.0-7.0	1.0-5.0	0.0-4.0	4.0-8.0
Date Sampled		08/21/02	08/21/02	08/21/02	08/22/02	08/20/02
Parameter	**Units**					
Metals						
Lead	mg/kg	60.1 J	12.0 J	18.3 J	41.6 J	3.0 J
Radionuclides						
Actinium 228	pCi/g	1.15	0.84	0.47	0.87	0.38
Bismuth 210M	pCi/g	0.027 U	0.024 UR	0.019 U	0.025 U	0.019 U
Bismuth 212	pCi/g	NA	NA	NA	NA	NA
Bismuth 214	pCi/g	1.38	1.17	0.649	1.02	0.601
Cesium 137	pCi/g	NA	NA	NA	NA	NA
Lead 212	pCi/g	1.00	0.82	0.380	0.84	0.334
Lead 214	pCi/g	1.44	1.21	0.711	1.12	0.605
Lead 210	pCi/g	1.84 J	1.42 J	0.91 J	1.36 J	0.82 J
Potassium 40	pCi/g	11.6	15.6	9.4	15.0	9.4
Radium 226	pCi/g	1.31	1.20	0.715 J	1.11	0.683 J
Radium 228	pCi/g	0.82	0.64	0.400	0.76	0.251
Thallium 208	pCi/g	0.89	0.73	NA	0.77	0.352
Thorium 232	pCi/g	0.81	0.63	0.394	0.75	0.247
Thorium 234	pCi/g	1.60	1.13	NA	1.12	0.318
Uranium 238	pCi/g	1.05	0.57	NA	0.77	0.38

Flags assigned during chemistry validation are shown.

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Detection Limits shown are MDL

ATTACHMENT B
TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
DAYTON UNIT IV

Location ID		SB-02	SB-03	SB-04	SB-05	SB-06
Sample ID		D4-SB-02U/1-5	D4-SB-03U/1-5	D4-SB-04U/0-4	D4-SB-05U/4-8	D4-SB-06U/3-7
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		1.0-5.0	1.0-5.0	0.0-4.0	4.0-8.0	3.0-7.0
Date Sampled		08/20/02	08/20/02	09/25/02	08/20/02	08/20/02
Parameter	**Units**					
Metals						
Lead	mg/kg	3.1 J	18.0 J	18.5	2.5 J	3.5 J
Radionuclides						
Actinium 228	pCi/g	0.28	0.74	0.72	0.181	0.32
Bismuth 210M	pCi/g	0.017 U	0.024 U	0.024 U	0.016 U	0.019 UR
Bismuth 212	pCi/g	NA	NA	NA	NA	NA
Bismuth 214	pCi/g	0.391	1.19	1.26	0.393	0.644
Cesium 137	pCi/g	NA	NA	0.0239	NA	NA
Lead 212	pCi/g	0.237	0.732	0.744	0.212	0.313
Lead 214	pCi/g	0.396	1.26	1.24	0.417	0.664
Lead 210	pCi/g	0.67 J	1.20 J	1.07 J	0.60 J	0.73 J
Potassium 40	pCi/g	8.9	13.8	14.7	8.5	8.6
Radium 226	pCi/g	0.422 J	1.22	1.23	0.364 J	0.627 J
Radium 228	pCi/g	0.279	0.62	0.62	0.191	0.215
Thallium 208	pCi/g	0.193	0.69	0.69	NA	NA
Thorium 232	pCi/g	0.275	0.61	0.62	0.189	0.212
Thorium 234	pCi/g	0.332	1.31	0.90	NA	0.58
Uranium 238	pCi/g	0.40	0.86	0.79	NA	0.39

Flags assigned during chemistry validation are shown.

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ATTACHMENT B
TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
DAYTON UNIT IV

Location ID		SB-07	SB-08	SB-09	SB-10	SB-11
Sample ID		D4-SB-07U/3-7	D4-SB-08U/1-5	D4-SB-09U/3-7	D4-SB-10U/1-5	D4-SB-11U/4-8
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		3.0-7.0	1.0-5.0	3.0-7.0	3.0-7.0	4.0-8.0
Date Sampled		08/20/02	08/20/02	08/20/02	08/20/02	08/20/02
Parameter	Units					
Metals						
Lead	mg/kg	101 J	6.0 J	14.1 J	7.0 J	20.9 J
Radionuclides						
Actinium 228	pCi/g	0.56	0.54	0.55	0.41	0.81
Bismuth 210M	pCi/g	0.021 U	0.022 U	0.018 U	0.020 U	0.024 U
Bismuth 212	pCi/g	NA	NA	NA	NA	NA
Bismuth 214	pCi/g	0.86	0.75	0.756	0.704	1.00
Cesium 137	pCi/g	NA	NA	NA	NA	NA
Lead 212	pCi/g	0.560	0.470	0.541	0.351	0.753
Lead 214	pCi/g	0.94	0.81	0.83	0.79	1.03
Lead 210	pCi/g	0.97 J	0.84 J	0.92 J	0.80 J	1.02 J
Potassium 40	pCi/g	12.2	11.4	11.0	9.6	15.7
Radium 226	pCi/g	0.87 J	0.79 J	0.85 J	0.710 J	1.06
Radium 228	pCi/g	0.46	0.402	0.417	0.318	0.65
Thallium 208	pCi/g	0.49	0.40	0.49	0.296	0.60
Thorium 232	pCi/g	0.45	0.396	0.411	0.314	0.64
Thorium 234	pCi/g	0.73	0.68	NA	0.68	1.13
Uranium 238	pCi/g	0.62	0.57	NA	0.39	0.41

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ATTACHMENT B
TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
DAYTON UNIT IV

Location ID		SB-11	SB-12	SB-13	SB-14	SB-15
Sample ID		D4-BDO/4-8	D4-SB-12U/0-4	D4-SB-13U/0-4	D4-SB-14U/0-4	D4-SB-15U/0-4
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-8.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled		08/20/02	08/21/02	08/22/02	08/21/02	08/21/02
Parameter	Units	Field Duplicate (1-1)				
Metals						
Lead	mg/kg	18.6 J	26.9 J	11.3 J	19.4 J	4.4 J
Radionuclides						
Actinium 228	pCi/g	0.76	0.41	0.49	1.17	0.39
Bismuth 210M	pCi/g	0.023 U	0.017 U	0.022 U	0.029 UR	0.016 UR
Bismuth 212	pCi/g	NA	NA	NA	1.38	NA
Bismuth 214	pCi/g	0.96	0.613	0.82	1.50	0.413
Cesium 137	pCi/g	NA	NA	NA	NA	NA
Lead 212	pCi/g	0.710	0.381	0.511	1.16	0.341
Lead 214	pCi/g	0.96	0.710	0.94	1.52	0.485
Lead 210	pCi/g	1.15 J	1.15 J	0.85 J	1.47 J	0.69 J
Potassium 40	pCi/g	15.0	9.1	11.6	17.6	7.16
Radium 226	pCi/g	0.96 J	0.693 J	0.89 J	1.40	0.456 J
Radium 228	pCi/g	0.61	0.361	0.455	1.05	0.256
Thallium 208	pCi/g	0.59	0.343	0.50	1.01	0.304
Thorium 232	pCi/g	0.61	0.356	0.449	1.03	0.252
Thorium 234	pCi/g	1.02	0.64	0.77	1.64	0.450
Uranium 238	pCi/g	0.86	0.40	0.57	1.08	0.36

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ATTACHMENT B
TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
DAYTON UNIT IV

Location ID		SB-16	SB-17	SB-18	SB-19	SB-19
Sample ID		D4-SB-16U/0-4	D4-SB-17U/1-5	D4-SB-18U/0-4	D4-SB-19U/4-8	D4-BD 2
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-4.0	1.0-5.0	0.0-4.0	4.0-8.0	4.0-8.0
Date Sampled		08/21/02	08/21/02	08/21/02	08/21/02	08/21/02
Parameter	Units					Field Duplicate (1-1)
Metals						
Lead	mg/kg	19.5 J	46.0 J	10.6 J	16.9 J	19.0 J
Radionuclides						
Actinium 228	pCi/g	0.67	1.13	0.61	1.18	0.99
Bismuth 210M	pCi/g	0.020 U	0.028 U	0.022 U	0.032 U	0.030 U
Bismuth 212	pCi/g	NA	NA	NA	NA	NA
Bismuth 214	pCi/g	0.80	1.35	0.96	1.26	1.21
Cesium 137	pCi/g	NA	NA	NA	NA	NA
Lead 212	pCi/g	0.585	1.16	0.596	1.12	1.06
Lead 214	pCi/g	0.82	1.41	1.02	1.48	1.35
Lead 210	pCi/g	0.95 J	1.32 J	0.96 J	2.03 J	1.67 J
Potassium 40	pCi/g	11.2	16.8	11.0	18.2	17.9
Radium 226	pCi/g	0.82 J	1.35	1.05	1.37	1.24
Radium 228	pCi/g	0.549	1.04	0.50	0.96	1.03
Thallium 208	pCi/g	0.49	1.06	0.58	1.02	0.95
Thorium 232	pCi/g	0.542	1.02	0.49	0.94	1.01
Thorium 234	pCi/g	0.91	1.20	0.74	1.63	1.47
Uranium 238	pCi/g	0.59	1.24	0.36	1.75	0.53

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ATTACHMENT B
TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
DAYTON UNIT IV

Location ID		SB-20	SB-21	SB-22	SB-23
Sample ID		D4-SB-20U/0-4	D4-SB-21U/0-4	D4-SB-22U/0-4	D4-SB-23U/3-7
Matrix		Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-4.0	0.0-4.0	0.0-4.0	3.0-7.0
Date Sampled		08/21/02	08/22/02	08/22/02	08/21/02
Parameter	**Units**				
Metals					
Lead	mg/kg	12.7 J	18.1 J	12.6 J	4.4 J
Radionuclides					
Actinium 228	pCi/g	1.24	1.28	0.74	0.32
Bismuth 210M	pCi/g	0.031 U	0.030 U	0.023 U	0.016 U
Bismuth 212	pCi/g	NA	NA	NA	NA
Bismuth 214	pCi/g	1.30	1.32	0.79	0.546
Cesium 137	pCi/g	NA	NA	NA	NA
Lead 212	pCi/g	1.16	1.15	0.607	0.268
Lead 214	pCi/g	1.49	1.38	0.85	0.596
Lead 210	pCi/g	1.36 J	1.20 J	1.18 J	0.55 J
Potassium 40	pCi/g	18.4	18.2	13.0	6.96
Radium 226	pCi/g	1.38	1.34	0.84 J	0.580 J
Radium 228	pCi/g	1.07	0.97	0.55	0.206
Thallium 208	pCi/g	1.07	0.97	NA	0.204
Thorium 232	pCi/g	1.05	0.95	0.54	0.204
Thorium 234	pCi/g	1.57	1.44	1.05	0.49
Uranium 238	pCi/g	0.76	1.08	0.52	0.31

Flags assigned during chemistry validation are shown.

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APPENDIX E

HUMAN HEALTH RISK ASSESSMENT

DAYTON UNIT IV

HUMAN HEALTH RISK ASSESSMENT

1.0 INTRODUCTION

This appendix provides the basis for a human health risk assessment (HHRA) for Dayton Unit IV. The assessment is a conservative, simplified evaluation that is being used to determine if potential constituents of concern associated with the Nation's early atomic energy program at the site pose a potential unacceptable risk. If a measured activity or concentration exceeds the screening levels, a more formal assessment of the potential impacts may be necessary. The potential constituents of concern at the Dayton Unit IV site are lead, lead-210, and radium-226. Section 2 of the appendix outlines the exposure scenarios used in the assessment. Section 3 identifies various existing, published and potentially applicable soil screening levels. Section 4 recommends screening levels for use at Dayton Unit IV. Sections 5 and 6 discuss the screening process used to analyze the sampling results and provide a discussion of uncertainty.

2.0 EXPOSURE ASSESSMENT

The primary elements of an exposure assessment are identification of the appropriate receptors, and the identification of complete exposure pathways. The site where polonium processing occurred at Dayton Unit IV has been subdivided and is now part of seven residential properties. As such, the primary current receptors are the occupants of this residential area. Potential future users are likely to remain the same.

Historical records indicate that the Runnymede Playhouse was demolished and removed off site along with seven feet of the underlying soil. A conservative approach is taken, however, and this assessment assumes that the current receptors could be exposed to any potential, residual FUSRAP-related contamination at the site through incidental soil ingestion, inhalation of fugitive dust, and external exposure to gamma emitting radionuclides. Though no exposure to contaminated groundwater is likely at the site, as drinking water is provided by the Montgomery County Water Authority, several of the published screening levels include drinking water ingestion in their residential exposure scenarios.

3.0 IDENTIFICATION OF SOIL SCREENING LEVELS

Soil screening levels have been developed by various agencies to provide a conservative basis for evaluating the potential significance of contamination identified during a site investigation. These screening levels assume a set of exposure scenarios and uptake parameters for a given population. The screening level is then established using the methodology established in the Risk Assessment Guidance for Superfund (RAGS) to back calculate an acceptable concentration from the allowable risk to an individual. There are several conservative aspects of the present approach that should be noted. First, all of the screening levels are calculated using conservative parameters from the perspective of risk. In addition, the similarity of the exposure parameter values used in the different regions (III, VI, and IX) is effectively a consensus on conservative default values. This section documents the compilation, review and selection of available soil screening levels for use in this screening assessment. The focus of comparisons is on screening levels for the residential scenario.

The default exposure parameter values used in the Region III, Region VI, Region IX, and the USEPA Generic Soil Screening Levels calculations are very similar; however, the conceptual site model assumed varies slightly among the three regions.

The onsite resident is the receptor population of interest since it represents the most conservative exposure scenario that could occur. Exposure pathways for this scenario include soil ingestion, inhalation of any emanating vapors, and dermal exposure.

The default screening level's role in site "screening" is to help identify areas, contaminants, and conditions that do not require further federal attention at a particular site. Generally, at sites where contaminant concentrations fall below default screening levels, no further action or study is warranted under the Superfund program, so long as the exposure assumptions at a site match those taken into account by the default screening level calculations. Chemical concentrations above the default screening level would not automatically designate a site as "dirty" or trigger a response action. However, exceeding a default screening level suggests that further evaluation of the potential risks that may be posed by site contaminants is appropriate.

USEPA Region IX Preliminary Remediation Goals (PRGs) - The Region IX soil PRGs are currently widely used in data screening. PRGs are chemical concentrations that generally correspond to a fixed level of risk. The PRG for lead, 400 mg/kg, corresponds to the recommended soil screening level established by USEPA OSWER Directive 9344.4-12 dated August 1994. This value was calculated with the USEPA's Integrated Exposure Uptake Biokenetic (IEUBK) model using its default parameters.

USEPA Region VI Soil Screening Levels (SSLs) - The Region VI screening level values are based on the same fixed level of risk as the Region IX PRGs, the default exposure parameters are identical, and the same exposure pathways are considered. Therefore, they are very similar to the Region IX guides.

USEPA Region III Risk-based Concentration (RBCs) - This is a set of soil screening levels provided by EPA Region III. The Region III screening level values are based on the same fixed level of risk as the Region IX PRGs, but are simpler in that they consider only the soil ingestion pathway. The set is extensive though not as extensive as the Region VI soil screening levels and the Region IX PRGs. Because the exposure is limited to the ingestion of contaminated soil, the Region III screening levels are not recommended.

USEPA Generic Soil Screening Level - Appendices in the USEPA technical guidance for soil screening levels and technical guidance for radionuclide soil screening levels each provide a set of generic soil screening levels. The screening level set for the chemicals is not as extensive as the Region III, VI, and IX sets.

USEPA Preliminary Remediation Goals for Radionuclides - The USEPA has developed an internet-based calculator that will produce preliminary remediation goals for radionuclides under different scenarios to correspond to an excess lifetime cancer risk range of 1E-4 to 1E-6. The default residential soil radionuclide PRGs obtained using this calculator are similar in magnitude to the dose-based USNRC Decontamination and Decommissioning Screening Levels found in NUREG/CR-5512.

Ohio Generic Risk-Based Cleanup Numbers (RCNs) – The Ohio EPA Division of Hazardous Waste Management (DHWM) has developed generic, risk-based soil cleanup numbers that can be used in lieu of a site-specific risk assessment for the evaluation, cleanup and closure of contaminated units within Ohio's RCRA hazardous waste closure program. The Ohio RCNs were developed based on an acceptable cancer risk of 1E-05 and hazard quotient of one. Appendix D of DHWM's *Closure Plan Review Guidance (CPRG)* states that generic RCNs should not be used as actual cleanup levels, rather as screening levels or levels at which further action or investigation is required. Nevertheless, as a point of comparison, RCNs for direct contact with soil are provided in Table 1. The list of available Ohio RCNs is shorter than the USEPA Region III, VI or IX generic standard lists. Also, because the RCNs are based on an allowable cancer risk that it as order of magnitude higher than that for which the USEPA screening values have been calculated, the RCNs are typically higher than the USEPA generic standards, and hence are not recommended.

USNRC Decontamination and Decommissioning Levels - Screening levels for Lead-210 (Pb-210) and Radium-226 (Ra-226) were developed in NUREG/CR-5512, Vol. 3 (Draft), *Residual Radioactive Contamination from Decommissioning, Parameter Analysis* at soil concentrations of 0.85 and 0.69 pCi/g, respectively. (This assumes a P_{crit} value of 0.10.) These are based on allowable residual concentrations above background after completion of decommissioning activities, with an acceptable dose rate of 25 mrem per year. The model used considers residential and light farming activities commencing immediately after release of the property, and is "designed for the purpose of providing a defensible basis for calculating dose with minimal information requirements." (NUREG/CR 5512, Vol 3, page 2-1)

RESRAD Model - A RESRAD model was developed using default pathways and parameters to estimate generic clean-up criteria based on a dose rate of 25 mrem per year to a site resident. RESRAD is a computer program developed by the US Department of Energy and the USNRC for evaluating compliance with regulatory decommissioning standards. The results of the default model, contained in Attachment 1, indicate clean-up criteria (above background) of 3.7 pCi/g of Pb-210 and 1.7 pCi/g of Ra-226. These results are somewhat higher than the screening values developed in NUREG 5512. A comparison of the models was reported in NUREG/CR5512 Vol 4 *Comparison of the Models and Assumptions Used in the DandD 1.0,*

RESRAD 5.61, and RESRAD-Build 1.50 Computer Codes with Respect to the Residential Farmer and Industrial Occupant Scenarios Provided in NUREG/CR-5512 – draft. This review indicated that the NUREG 5512 methodology, as implemented in the DandD computer program, produced significantly higher doses due to assumptions and related parameters for inhalation rates, soil loading on plants, and water-dependent pathways. This was deemed appropriate in the NUREG 5512 approach based on the intention of using the results for screening purposes.

4.0 RECOMMENDATIONS

4.1 Recommended Soil Screening Levels

It is recommended that USEPA Region IX residential soil PRGs (for lead) and NUREG/CR-5512 residential screening levels (for lead-210 and raduim-226) be used for the screening level HHRA at Dayton Unit IV, consistent with the previously agreed upon levels identified in the Work Plan for this site. These screening levels were selected based on their conservative scenario development. Based on this evaluation, the following human health risk-based screening levels will be used for the analytical data comparison as part of this SI. As indicated in Section 3, the values taken from NUREG/CR-5512 are for residual radioactivity above background levels, so the screening levels are shown adjusted for background (1.56 pCi/g). No such adjustment is made for metals.

	Screening Level	Background-Adjusted Screening Level
• Lead	400 mg/kg	400 mg/kg
• Lead-210	0.846 pCi/g	2.406 pCi/g
• Radium-226	0.694 pCi/g	2.254 pCi/g

5.0 RESULTS

Detected concentrations of constituents of concern in the soil samples were compared to the background-adjusted screening levels. As discussed in Section 6 of the *SI Report*, there were no exceedances for Pb-210, Ra-226, and lead in any of the soil samples. Ra-226 concentrations were less than background in all samples and Pb-210 was found in only two samples at levels slightly above background. Lead was found in four samples above background, but on average the results were comparable to background (average value of 20mg/kg).

In summary, the concentrations of FUSRAP-related radionuclides and lead did not exceed soil screening values developed for residential exposure scenarios and are comparable to background levels found in southeast Ohio. Consequently, the concentrations of FUSRAP-related constituents in samples taken for this Site Inspection do not have the potential to pose an unacceptable risk to human health.

6.0 UNCERTAINTIES

There are several sources of uncertainty associated with any risk assessment, including those associated with the toxicity information (and the subsequent development of the screening levels). Only uncertainties specific to this site inspection will be discussed here.

6.1 Uncertainty Related to Environmental Data

Uncertainty is associated with the process of data collection, analysis, and evaluation. In a site inspection, the objective is not to characterize the nature and extent of potential contamination, but rather, to focus and limit sampling locations to areas known or suspected to contain contaminants. Given the heterogeneity of the environmental media and the limited sampling regime, the true concentrations to which a receptor is exposed (the exposure point concentration) is uncertain. However, the uncertainty that an area of localized, elevated radioactive contamination was missed was greatly reduced due to the fact that a gamma walkover survey was completed over the entire site. To be conservative, maximum concentrations of constituents, determined by laboratory analysis of soil samples, were compared with the

screening levels to estimate the potential for unacceptable risk. In addition, uncertainty was minimized through analysis of the data following methods adhering to strict QA/QC standards both in the field and in the laboratory.

6.2 Uncertainty in Exposure Assessment

The exposure assessment may also introduce uncertainty in the risk assessment process. In order to develop the screening levels that were chosen for this site inspection, the USEPA Region IX and the NRC had to make assumptions about exposure of the receptor to the constituents of concern, so that estimates of intake or dose could be made. These exposure assumptions were designed to be a conservative estimate of residential exposure. The true, current exposure of potential receptors at Dayton IV is likely to be less.

TABLE 1

PUBLISHED GENERIC SOIL SCREENING LEVELS

Chemical	Maximum Soil Concentration	Units	Background Concentration	Chosen Screening Level	Source of Chosen Screening Level	USEPA Region VI SSL	Ohio EPA DHWMRCN
Metals							
Lead	101	mg/kg	30.6	400	USEPA	400	250
Radionuclides							
Lead-210	2.03	pCi/g	1.56	0.846	NUREG/CR-5512		5
Radium-226	1.4	pCi/g	1.56	0.694	NUREG/CR-5512		5

ATTACHMENT 1

DEFAULT RESRAD MODEL

Table of Contents

Part I: Mixture Sums and Single Radionuclide Guidelines

Dose Conversion Factor (and Related) Parameter Summary
File: FGR 13 Morbidity

Menu	Parameter	Current Value	Default	Parameter Name
B-1	Dose conversion factors for inhalation, mrem/pCi:			
B-1	Pb-210+D	2.320E-02	2.320E-02	DCF2(1)
B-1	Ra-226+D	8.600E-03	8.600E-03	DCF2(2)
D-1	Dose conversion factors for ingestion, mrem/pCi:			
D-1	Pb-210+D	7.270E-03	7.270E-03	DCF3(1)
D-1	Ra-226+D	1.330E-03	1.330E-03	DCF3(2)
D-34	Food transfer factors:			
D-34	Pb-210+D , plant/soil concentration ratio, dimensionless	1.000E-02	1.000E-02	RTF(1,1)
D-34	Pb-210+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	8.000E-04	8.000E-04	RTF(1,2)
D-34	Pb-210+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	3.000E-04	3.000E-04	RTF(1,3)
D-34				
D-34	Ra-226+D , plant/soil concentration ratio, dimensionless	4.000E-02	4.000E-02	RTF(2,1)
D-34	Ra-226+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-03	1.000E-03	RTF(2,2)
D-34	Ra-226+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	1.000E-03	1.000E-03	RTF(2,3)
D-5	Bioaccumulation factors, fresh water, L/kg:			
D-5	Pb-210+D , fish	3.000E+02	3.000E+02	BIOFAC(1,1)
D-5	Pb-210+D , crustacea and mollusks	1.000E+02	1.000E+02	BIOFAC(1,2)
D-5				
D-5	Ra-226+D , fish	5.000E+01	5.000E+01	BIOFAC(2,1)
D-5	Ra-226+D , crustacea and mollusks	2.500E+02	2.500E+02	BIOFAC(2,2)

Site-Specific Parameter Summary

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R011	Area of contaminated zone (m**2)	1.000E+04	1.000E+04	---	AREA
R011	Thickness of contaminated zone (m)	2.000E+00	2.000E+00	---	THICK0
~~R011~~	~~Length parallel to aquifer flow (m)~~	~~1.000E+02~~	~~1.000E+02~~	~~---~~	~~LCZPAQ~~
R011	Basic radiation dose limit (mrem/yr)	2.500E+01	2.500E+01	---	BRDL
R011	Time since placement of material (yr)	0.000E+00	0.000E+00	---	TI
R011	Times for calculations (yr)	1.000E+00	1.000E+00	---	T(2)
R011	Times for calculations (yr)	3.000E+00	3.000E+00	---	T(3)
R011	Times for calculations (yr)	1.000E+01	1.000E+01	---	T(4)
R011	Times for calculations (yr)	3.000E+01	3.000E+01	---	T(5)
R011	Times for calculations (yr)	1.000E+02	1.000E+02	---	T(6)
R011	Times for calculations (yr)	3.000E+02	3.000E+02	---	T(7)
R011	Times for calculations (yr)	1.000E+03	1.000E+03	---	T(8)
R011	Times for calculations (yr)	not used	0.000E+00	---	T(9)
R011	Times for calculations (yr)	not used	0.000E+00	---	T(10)
R012	Initial principal radionuclide (pCi/g): Pb-210	1.000E+02	0.000E+00	---	S1(1)
R012	Initial principal radionuclide (pCi/g): Ra-226	1.000E+02	0.000E+00	---	S1(2)
R012	Concentration in groundwater (pCi/L): Pb-210	not used	0.000E+00	---	W1(1)
R012	Concentration in groundwater (pCi/L): Ra-226	not used	0.000E+00	---	W1(2)
R013	Cover depth (m)	0.000E+00	0.000E+00	---	COVER0
R013	Density of cover material (g/cm**3)	not used	1.500E+00	---	DENSCV
R013	Cover depth erosion rate (m/yr)	not used	1.000E-03	---	VCV
R013	Density of contaminated zone (g/cm**3)	1.500E+00	1.500E+00	---	DENSCZ
R013	Contaminated zone erosion rate (m/yr)	1.000E-03	1.000E-03	---	VCZ
R013	Contaminated zone total porosity	4.000E-01	4.000E-01	---	TPCZ
R013	Contaminated zone field capacity	2.000E-01	2.000E-01	---	FCCZ
R013	Contaminated zone hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCCZ
R013	Contaminated zone b parameter	5.300E+00	5.300E+00	---	BCZ
R013	Average annual wind speed (m/sec)	2.000E+00	2.000E+00	---	WIND
R013	Humidity in air (g/m**3)	not used	8.000E+00	---	HUMID
R013	Evapotranspiration coefficient	5.000E-01	5.000E-01	---	EVAPTR
R013	Precipitation (m/yr)	1.000E+00	1.000E+00	---	PRECIP
R013	Irrigation (m/yr)	2.000E-01	2.000E-01	---	RI
R013	Irrigation mode	overhead	overhead	---	IDITCH
R013	Runoff coefficient	2.000E-01	2.000E-01	---	RUNOFF
R013	Watershed area for nearby stream or pond (m**2)	1.000E+06	1.000E+06	---	WAREA
R013	Accuracy for water/soil computations	1.000E-03	1.000E-03	---	EPS
R014	Density of saturated zone (g/cm**3)	1.500E+00	1.500E+00	---	DENSAQ
R014	Saturated zone total porosity	4.000E-01	4.000E-01	---	TPSZ
R014	Saturated zone effective porosity	2.000E-01	2.000E-01	---	EPSZ
R014	Saturated zone field capacity	2.000E-01	2.000E-01	---	FCSZ
R014	Saturated zone hydraulic conductivity (m/yr)	1.000E+02	1.000E+02	---	HCSZ
R014	Saturated zone hydraulic gradient	2.000E-02	2.000E-02	---	HGWT
R014	Saturated zone b parameter	5.300E+00	5.300E+00	---	BSZ
R014	Water table drop rate (m/yr)	1.000E-03	1.000E-03	---	VWT
R014	Well pump intake depth (m below water table)	1.000E+01	1.000E+01	---	DWIBWT
R014	Model: Nondispersion (ND) or Mass-Balance (MB)	ND	ND	---	MODEL
R014	Well pumping rate (m**3/yr)	2.500E+02	2.500E+02	---	UW

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R015	Number of unsaturated zone strata	1	1	---	NS
R015	Unsat. zone 1, thickness (m)	4.000E+00	4.000E+00	---	H(1)
~~R015~~	~~Unsat. zone 1, soil density (g/cm**3)~~	~~1.500E+00~~	~~1.500E+00~~	~~---~~	~~DENSUZ(1)~~
R015	Unsat. zone 1, total porosity	4.000E-01	4.000E-01	---	TPUZ(1)
R015	Unsat. zone 1, effective porosity	2.000E-01	2.000E-01	---	EPUZ(1)
R015	Unsat. zone 1, field capacity	2.000E-01	2.000E-01	---	FCUZ(1)
R015	Unsat. zone 1, soil-specific b parameter	5.300E+00	5.300E+00	---	BUZ(1)
R015	Unsat. zone 1, hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCUZ(1)
R016	Distribution coefficients for Pb-210				
R016	Contaminated zone (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCC(1)
R016	Unsaturated zone 1 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU(1,1)
R016	Saturated zone (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCS(1)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.663E-03	ALEACH(1)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(1)
R016	Distribution coefficients for Ra-226				
R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCC(2)
R016	Unsaturated zone 1 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU(2,1)
R016	Saturated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCS(2)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.374E-03	ALEACH(2)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(2)
R017	Inhalation rate (m**3/yr)	8.400E+03	8.400E+03	---	INHALR
R017	Mass loading for inhalation (g/m**3)	1.000E-04	1.000E-04	---	MLINH
R017	Exposure duration	3.000E+01	3.000E+01	---	ED
R017	Shielding factor, inhalation	4.000E-01	4.000E-01	---	SHF3
R017	Shielding factor, external gamma	7.000E-01	7.000E-01	---	SHF1
R017	Fraction of time spent indoors	5.000E-01	5.000E-01	---	FIND
R017	Fraction of time spent outdoors (on site)	2.500E-01	2.500E-01	---	FOTD
R017	Shape factor flag, external gamma	1.000E+00	1.000E+00	>0 shows circular AREA.	FS
R017	Radii of shape factor array (used if FS = -1):				
R017	Outer annular radius (m), ring 1:	not used	5.000E+01	---	RAD_SHAPE(1)
R017	Outer annular radius (m), ring 2:	not used	7.071E+01	---	RAD_SHAPE(2)
R017	Outer annular radius (m), ring 3:	not used	0.000E+00	---	RAD_SHAPE(3)
R017	Outer annular radius (m), ring 4:	not used	0.000E+00	---	RAD_SHAPE(4)
R017	Outer annular radius (m), ring 5:	not used	0.000E+00	---	RAD_SHAPE(5)
R017	Outer annular radius (m), ring 6:	not used	0.000E+00	---	RAD_SHAPE(6)
R017	Outer annular radius (m), ring 7:	not used	0.000E+00	---	RAD_SHAPE(7)
R017	Outer annular radius (m), ring 8:	not used	0.000E+00	---	RAD_SHAPE(8)
R017	Outer annular radius (m), ring 9:	not used	0.000E+00	---	RAD_SHAPE(9)
R017	Outer annular radius (m), ring 10:	not used	0.000E+00	---	RAD_SHAPE(10)
R017	Outer annular radius (m), ring 11:	not used	0.000E+00	---	RAD_SHAPE(11)
R017	Outer annular radius (m), ring 12:	not used	0.000E+00	---	RAD_SHAPE(12)

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R017	Fractions of annular areas within AREA:				
R017	Ring 1	not used	1.000E+00	---	FRACA(1)
R017	Ring 2	not used	2.732E-01	---	FRACA(2)
R017	Ring 3	not used	0.000E+00	---	FRACA(3)
R017	Ring 4	not used	0.000E+00	---	FRACA(4)
R017	Ring 5	not used	0.000E+00	---	FRACA(5)
R017	Ring 6	not used	0.000E+00	---	FRACA(6)
R017	Ring 7	not used	0.000E+00	---	FRACA(7)
R017	Ring 8	not used	0.000E+00	---	FRACA(8)
R017	Ring 9	not used	0.000E+00	---	FRACA(9)
R017	Ring 10	not used	0.000E+00	---	FRACA(10)
R017	Ring 11	not used	0.000E+00	---	FRACA(11)
R017	Ring 12	not used	0.000E+00	---	FRACA(12)
R018	Fruits, vegetables and grain consumption (kg/yr)	1.600E+02	1.600E+02	---	DIET(1)
R018	Leafy vegetable consumption (kg/yr)	1.400E+01	1.400E+01	---	DIET(2)
R018	Milk consumption (L/yr)	9.200E+01	9.200E+01	---	DIET(3)
R018	Meat and poultry consumption (kg/yr)	6.300E+01	6.300E+01	---	DIET(4)
R018	Fish consumption (kg/yr)	5.400E+00	5.400E+00	---	DIET(5)
R018	Other seafood consumption (kg/yr)	9.000E-01	9.000E-01	---	DIET(6)
R018	Soil ingestion rate (g/yr)	3.650E+01	3.650E+01	---	SOIL
R018	Drinking water intake (L/yr)	5.100E+02	5.100E+02	---	DWI
R018	Contamination fraction of drinking water	1.000E+00	1.000E+00	---	FDW
R018	Contamination fraction of household water	not used	1.000E+00	---	FHHW
R018	Contamination fraction of livestock water	1.000E+00	1.000E+00	---	FLW
R018	Contamination fraction of irrigation water	1.000E+00	1.000E+00	---	FIRW
R018	Contamination fraction of aquatic food	5.000E-01	5.000E-01	---	FR9
R018	Contamination fraction of plant food	-1	-1	0.500E+00	FPLANT
R018	Contamination fraction of meat	-1	-1	0.500E+00	FMEAT
R018	Contamination fraction of milk	-1	-1	0.500E+00	FMILK
R019	Livestock fodder intake for meat (kg/day)	6.800E+01	6.800E+01	---	LFI5
R019	Livestock fodder intake for milk (kg/day)	5.500E+01	5.500E+01	---	LFI6
R019	Livestock water intake for meat (L/day)	5.000E+01	5.000E+01	---	LWI5
R019	Livestock water intake for milk (L/day)	1.600E+02	1.600E+02	---	LWI6
R019	Livestock soil intake (kg/day)	5.000E-01	5.000E-01	---	LSI
R019	Mass loading for foliar deposition (g/m**3)	1.000E-04	1.000E-04	---	MLFD
R019	Depth of soil mixing layer (m)	1.500E-01	1.500E-01	---	DM
R019	Depth of roots (m)	9.000E-01	9.000E-01	---	DROOT
R019	Drinking water fraction from ground water	1.000E+00	1.000E+00	---	FGWDW
R019	Household water fraction from ground water	not used	1.000E+00	---	FGWHH
R019	Livestock water fraction from ground water	1.000E+00	1.000E+00	---	FGWLW
R019	Irrigation fraction from ground water	1.000E+00	1.000E+00	---	FGWIR
R19B	Wet weight crop yield for Non-Leafy (kg/m**2)	7.000E-01	7.000E-01	---	YV(1)
R19B	Wet weight crop yield for Leafy (kg/m**2)	1.500E+00	1.500E+00	---	YV(2)
R19B	Wet weight crop yield for Fodder (kg/m**2)	1.100E+00	1.100E+00	---	YV(3)
R19B	Growing Season for Non-Leafy (years)	1.700E-01	1.700E-01	---	TE(1)
R19B	Growing Season for Leafy (years)	2.500E-01	2.500E-01	---	TE(2)
R19B	Growing Season for Fodder (years)	8.000E-02	8.000E-02	---	TE(3)
R19B	Translocation Factor for Non-Leafy	1.000E-01	1.000E-01	---	TIV(1)

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R19B	Translocation Factor for Leafy	1.000E+00	1.000E+00	---	TIV(2)
R19B	Translocation Factor for Fodder	1.000E+00	1.000E+00	---	TIV(3)
R19B	Dry Foliar Interception Fraction for Non-Leafy	2.500E-01	2.500E-01	---	RDRY(1)
R19B	Dry Foliar Interception Fraction for Leafy	2.500E-01	2.500E-01	---	RDRY(2)
R19B	Dry Foliar Interception Fraction for Fodder	2.500E-01	2.500E-01	---	RDRY(3)
R19B	Wet Foliar Interception Fraction for Non-Leafy	2.500E-01	2.500E-01	---	RWET(1)
R19B	Wet Foliar Interception Fraction for Leafy	2.500E-01	2.500E-01	---	RWET(2)
R19B	Wet Foliar Interception Fraction for Fodder	2.500E-01	2.500E-01	---	RWET(3)
R19B	Weathering Removal Constant for Vegetation	2.000E+01	2.000E+01	---	WLAM
C14	C-12 concentration in water (g/cm**3)	not used	2.000E-05	---	C12WTR
C14	C-12 concentration in contaminated soil (g/g)	not used	3.000E-02	---	C12CZ
C14	Fraction of vegetation carbon from soil	not used	2.000E-02	---	CSOIL
C14	Fraction of vegetation carbon from air	not used	9.800E-01	---	CAIR
C14	C-14 evasion layer thickness in soil (m)	not used	3.000E-01	---	DMC
C14	C-14 evasion flux rate from soil (1/sec)	not used	7.000E-07	---	EVSN
C14	C-12 evasion flux rate from soil (1/sec)	not used	1.000E-10	---	REVSN
C14	Fraction of grain in beef cattle feed	not used	8.000E-01	---	AVFG4
C14	Fraction of grain in milk cow feed	not used	2.000E-01	---	AVFG5
C14	DCF correction factor for gaseous forms of C14	not used	8.894E+01	---	CO2F
STOR	Storage times of contaminated foodstuffs (days):				
STOR	Fruits, non-leafy vegetables, and grain	1.400E+01	1.400E+01	---	STOR_T(1)
STOR	Leafy vegetables	1.000E+00	1.000E+00	---	STOR_T(2)
STOR	Milk	1.000E+00	1.000E+00	---	STOR_T(3)
STOR	Meat and poultry	2.000E+01	2.000E+01	---	STOR_T(4)
STOR	Fish	7.000E+00	7.000E+00	---	STOR_T(5)
STOR	Crustacea and mollusks	7.000E+00	7.000E+00	---	STOR_T(6)
STOR	Well water	1.000E+00	1.000E+00	---	STOR_T(7)
STOR	Surface water	1.000E+00	1.000E+00	---	STOR_T(8)
STOR	Livestock fodder	4.500E+01	4.500E+01	---	STOR_T(9)
R021	Thickness of building foundation (m)	not used	1.500E-01	---	FLOOR1
R021	Bulk density of building foundation (g/cm**3)	not used	2.400E+00	---	DENSFL
R021	Total porosity of the cover material	not used	4.000E-01	---	TPCV
R021	Total porosity of the building foundation	not used	1.000E-01	---	TPFL
R021	Volumetric water content of the cover material	not used	5.000E-02	---	PH2OCV
R021	Volumetric water content of the foundation	not used	3.000E-02	---	PH2OFL
R021	Diffusion coefficient for radon gas (m/sec):				
R021	in cover material	not used	2.000E-06	---	DIFCV
R021	in foundation material	not used	3.000E-07	---	DIFFL
R021	in contaminated zone soil	not used	2.000E-06	---	DIFCZ
R021	Radon vertical dimension of mixing (m)	not used	2.000E+00	---	HMIX
R021	Average building air exchange rate (1/hr)	not used	5.000E-01	---	REXG
R021	Height of the building (room) (m)	not used	2.500E+00	---	HRM
R021	Building interior area factor	not used	0.000E+00	---	FAI
R021	Building depth below ground surface (m)	not used	-1.000E+00	---	DMFL
R021	Emanating power of Rn-222 gas	not used	2.500E-01	---	EMANA(1)
R021	Emanating power of Rn-220 gas	not used	1.500E-01	---	EMANA(2)
TITL	Number of graphical time points	32	---	---	NPTS
TITL	Maximum number of integration points for dose	17	---	---	LYMAX

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
TITL	Maximum number of integration points for risk	257	---	---	KYMAX

Summary of Pathway Selections

Pathway	User Selection
1 -- external gamma	active
2 -- inhalation (w/o radon)	active
3 -- plant ingestion	active
4 -- meat ingestion	active
5 -- milk ingestion	active
6 -- aquatic foods	active
7 -- drinking water	active
8 -- soil ingestion	active
9 -- radon	suppressed
Find peak pathway doses	active

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	3.539E-01	0.0002	1.461E-01	0.0001	0.000E+00	0.0000	6.224E+02	0.3430	2.128E+01	0.0117	1.037E+01	0.0057	1.958E+01	0.0108
Ra-226	6.320E+02	0.3483	5.724E-02	0.0000	0.000E+00	0.0000	4.737E+02	0.2611	1.401E+01	0.0077	1.672E+01	0.0092	3.941E+00	0.0022
Total	6.323E+02	0.3485	2.033E-01	0.0001	0.000E+00	0.0000	1.096E+03	0.6041	3.528E+01	0.0194	2.709E+01	0.0149	2.352E+01	0.0130

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.741E+02	0.3715
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.140E+03	0.6285
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.814E+03	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	3.425E-01	0.0002	1.414E-01	0.0001	0.000E+00	0.0000	6.023E+02	0.3327	2.059E+01	0.0114	1.003E+01	0.0055	1.895E+01	0.0105
Ra-226	6.302E+02	0.3481	6.154E-02	0.0000	0.000E+00	0.0000	4.917E+02	0.2716	1.465E+01	0.0081	1.700E+01	0.0094	4.528E+00	0.0025
Total	6.305E+02	0.3483	2.029E-01	0.0001	0.000E+00	0.0000	1.094E+03	0.6043	3.524E+01	0.0195	2.704E+01	0.0149	2.348E+01	0.0130

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.524E+02	0.3603
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.158E+03	0.6397
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.811E+03	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	3.208E-01	0.0002	1.324E-01	0.0001	0.000E+00	0.0000	5.641E+02	0.3131	1.929E+01	0.0107	9.397E+00	0.0052	1.775E+01	0.0098
Ra-226	6.267E+02	0.3478	6.968E-02	0.0000	0.000E+00	0.0000	5.251E+02	0.2914	1.580E+01	0.0088	1.751E+01	0.0097	5.640E+00	0.0031
Total	6.270E+02	0.3480	2.021E-01	0.0001	0.000E+00	0.0000	1.089E+03	0.6045	3.509E+01	0.0195	2.691E+01	0.0149	2.339E+01	0.0130

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.110E+02	0.3391
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.191E+03	0.6609
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.802E+03	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	2.551E-01	0.0001	1.053E-01	0.0001	0.000E+00	0.0000	4.486E+02	0.2533	1.534E+01	0.0087	7.472E+00	0.0042	1.411E+01	0.0080
Ra-226	6.146E+02	0.3470	9.380E-02	0.0001	0.000E+00	0.0000	6.235E+02	0.3520	1.921E+01	0.0108	1.898E+01	0.0107	8.946E+00	0.0051
Total	6.148E+02	0.3471	1.991E-01	0.0001	0.000E+00	0.0000	1.072E+03	0.6053	3.455E+01	0.0195	2.645E+01	0.0149	2.306E+01	0.0130

0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.858E+02	0.2743
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.285E+03	0.7257
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.771E+03	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	1.325E-01	0.0001	5.469E-02	0.0000	0.000E+00	0.0000	2.330E+02	0.1385	7.967E+00	0.0047	3.882E+00	0.0023	7.331E+00	0.0044
Ra-226	5.811E+02	0.3454	1.352E-01	0.0001	0.000E+00	0.0000	7.878E+02	0.4683	2.494E+01	0.0148	2.125E+01	0.0126	1.470E+01	0.0087
Total	5.812E+02	0.3455	1.899E-01	0.0001	0.000E+00	0.0000	1.021E+03	0.6068	3.291E+01	0.0196	2.513E+01	0.0149	2.203E+01	0.0131

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.524E+02	0.1500
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.430E+03	0.8500
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.682E+03	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	1.339E-02	0.0000	5.526E-03	0.0000	0.000E+00	0.0000	2.355E+01	0.0169	8.050E-01	0.0006	3.922E-01	0.0003	7.407E-01	0.0005
Ra-226	4.776E+02	0.3438	1.520E-01	0.0001	0.000E+00	0.0000	8.216E+02	0.5914	2.645E+01	0.0190	2.036E+01	0.0147	1.756E+01	0.0126
Total	4.776E+02	0.3438	1.576E-01	0.0001	0.000E+00	0.0000	8.451E+02	0.6084	2.726E+01	0.0196	2.075E+01	0.0149	1.830E+01	0.0132

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.550E+01	0.0184
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.364E+03	0.9816
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.389E+03	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	1.916E-05	0.0000	7.909E-06	0.0000	0.000E+00	0.0000	3.370E-02	0.0000	1.152E-03	0.0000	5.614E-04	0.0000	1.060E-03	0.0000
Ra-226	2.724E+02	0.3435	8.998E-02	0.0001	0.000E+00	0.0000	4.826E+02	0.6086	1.557E+01	0.0196	1.185E+01	0.0149	1.045E+01	0.0132
Total	2.724E+02	0.3435	8.999E-02	0.0001	0.000E+00	0.0000	4.826E+02	0.6086	1.557E+01	0.0196	1.185E+01	0.0149	1.046E+01	0.0132

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.650E-02	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.929E+02	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.930E+02	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	2.126E-15	0.0000	8.773E-16	0.0000	0.000E+00	0.0000	3.738E-12	0.0000	1.278E-13	0.0000	6.227E-14	0.0000	1.176E-13	0.0000
Ra-226	3.819E+01	0.0409	1.261E-02	0.0000	0.000E+00	0.0000	6.765E+01	0.0725	2.182E+00	0.0023	1.661E+00	0.0018	1.466E+00	0.0016
Total	3.819E+01	0.0409	1.261E-02	0.0000	0.000E+00	0.0000	6.765E+01	0.0725	2.182E+00	0.0023	1.661E+00	0.0018	1.466E+00	0.0016

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	1.474E-11	0.0000	2.470E-13	0.0000	0.000E+00	0.0000	1.136E-12	0.0000	1.262E-13	0.0000	1.036E-13	0.0000	2.040E-11	0.0000
Ra-226	7.394E+02	0.7928	1.057E+01	0.0113	0.000E+00	0.0000	5.710E+01	0.0612	6.674E+00	0.0072	7.707E+00	0.0083	9.326E+02	1.0000
Total	7.394E+02	0.7928	1.057E+01	0.0113	0.000E+00	0.0000	5.710E+01	0.0612	6.674E+00	0.0072	7.707E+00	0.0083	9.326E+02	1.0000

*Sum of all water independent and dependent pathways.

Dose/Source Ratios Summed Over All Pathways
Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	DSR(j,t) (mrem/yr)/(pCi/g) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	6.741E+00	6.524E+00	6.110E+00	4.858E+00	2.524E+00	2.550E-01	3.650E-04	2.040E-13
Ra-226	Ra-226	1.000E+00	1.128E+01	1.125E+01	1.118E+01	1.097E+01	1.037E+01	8.518E+00	4.859E+00	2.386E+00
Ra-226	Pb-210	1.000E+00	1.256E-01	3.346E-01	7.242E-01	1.886E+00	3.932E+00	5.118E+00	3.070E+00	6.939E+00
Ra-226	ΣDSR(j)		1.140E+01	1.158E+01	1.191E+01	1.285E+01	1.430E+01	1.364E+01	7.929E+00	9.326E+00

*Branch Fraction is the cumulative factor for the j'th principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
The DSR includes contributions from associated (half-life ≤ 0.5 yr) daughters.

Single Radionuclide Soil Guidelines G(i,t) in pCi/g
Basic Radiation Dose Limit = 2.500E+01 mrem/yr

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	3.709E+00	3.832E+00	4.092E+00	5.146E+00	9.905E+00	9.803E+01	6.849E+04	*7.631E+13
Ra-226	2.192E+00	2.159E+00	2.099E+00	1.945E+00	1.748E+00	1.833E+00	3.153E+00	2.681E+00

*At specific activity limit

Summed Dose/Source Ratios DSR(i,t) in (mrem/yr)/(pCi/g)
and Single Radionuclide Soil Guidelines G(i,t) in pCi/g
at tmin = time of minimum single radionuclide soil guideline
and at tmax = time of maximum total dose = 0.000E+00 years

Nuclide (i)	Initial (pCi/g)	tmin (years)	DSR(i,tmin)	G(i,tmin) (pCi/g)	DSR(i,tmax)	G(i,tmax) (pCi/g)
Pb-210	1.000E+02	0.000E+00	6.741E+00	3.709E+00	6.741E+00	3.709E+00
Ra-226	1.000E+02	49.78 ± 0.10	1.463E+01	1.708E+00	1.140E+01	2.192E+00

Individual Nuclide Dose Summed Over All Pathways
Parent Nuclide and Branch Fraction Indicated

Nuclide (j)	Parent (i)	BRF(i)	DOSE(j,t), mrem/yr t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	6.741E+02	6.524E+02	6.110E+02	4.858E+02	2.524E+02	2.550E+01	3.650E-02	2.040E-11
Pb-210	Ra-226	1.000E+00	1.256E+01	3.346E+01	7.242E+01	1.886E+02	3.932E+02	5.118E+02	3.070E+02	6.939E+02
Pb-210	ΣDOSE(j)		6.866E+02	6.858E+02	6.834E+02	6.745E+02	6.455E+02	5.373E+02	3.071E+02	6.939E+02
Ra-226	Ra-226	1.000E+00	1.128E+03	1.125E+03	1.118E+03	1.097E+03	1.037E+03	8.518E+02	4.859E+02	2.386E+02

BRF(i) is the branch fraction of the parent nuclide.

Individual Nuclide Soil Concentration
Parent Nuclide and Branch Fraction Indicated

Nuclide (j)	Parent (i)	BRF(i)	S(j,t), pCi/g t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	1.000E+02	9.678E+01	9.064E+01	7.208E+01	3.744E+01	3.783E+00	5.415E-03	6.006E-13
Pb-210	Ra-226	1.000E+00	0.000E+00	3.054E+00	8.844E+00	2.612E+01	5.656E+01	7.448E+01	4.472E+01	6.270E+00
Pb-210	ΣS(j):		1.000E+02	9.983E+01	9.949E+01	9.819E+01	9.401E+01	7.827E+01	4.473E+01	6.270E+00
Ra-226	Ra-226	1.000E+00	1.000E+02	9.972E+01	9.916E+01	9.723E+01	9.192E+01	7.553E+01	4.308E+01	6.039E+00

BRF(i) is the branch fraction of the parent nuclide.

RESCALC.EXE execution time = 7.20 seconds

APPENDIX F

SCREENING LEVEL ECOLOGICAL RISK ASSESSMENT

1.0 INTRODUCTION

This report documents a screening-level ecological risk assessment (SERA) of contaminated soils at Dayton Unit IV. The assessment is a simplified evaluation that is being used to determine if chemical and radioactive contamination at the site poses an ecological risk. If a potential risk exists, a more formal assessment of the potential impacts may be necessary. Chapter 2 of the report briefly describes the approach used to conduct the assessment. The results of the SERA are presented and discussed in Chapter 3.

2.0 METHODOLOGY

The purpose of the SERA is to conservatively evaluate the potential for adverse ecological impacts due to the contamination of soils at Dayton Unit IV. The screening assessment follows Steps 1 and 2 of the guidance issued by the U.S. Environmental Protection Agency, *Ecological Risk Assessment Guidance for Superfund (ERAGS): Process for Designing and Conducting Ecological Risk Assessments*, Interim Final (USEPA, 1997). That guidance is summarized below.

Screening-Level Problem Formulation

The nature of the site under investigation and the potential for ecological impacts are established during problem formulation. An ecological site conceptual model of the site is developed which addresses the:

(1) Environmental setting and the radioactive and hazardous contaminants known or suspected to exist at the site;
(2) Contaminant fate and transport mechanisms that may exist at the site;
(3) Mechanisms of ecotoxicity associated with site contaminants and the types or categories of receptors that could be affected;
(4) Complete exposure pathways that exist at the site; and
(5) Selection of endpoints to screen for ecological risk.

The completed ecological site conceptual model is used to organize and conduct the SERA.

Screening-Level Ecological Effects Evaluation

The screening-level ecological effects evaluation establishes the contaminant exposure levels that may prove harmful to receptors at the contaminated site. Conservative thresholds or screening ecotoxicity values are selected which represent levels of chronic exposure that have little or no adverse impacts on receptors at the site. These screening values are generally adopted from the toxicological literature.

Screening-Level Exposure Estimates

The screening-level exposure assessment estimates the contaminant levels to which the receptors are exposed. These exposure concentrations generally consist of the highest measured or estimated onsite contaminant concentrations for each environmental medium to which the receptors may be exposed. The exposure estimates are based on conservative assumptions that tend to maximize potential impacts, including:

- An area use factor of 100 percent;
- Contaminant bioavailability of 100 percent;
- The most sensitive life stages of the receptors are present;
- Minimum body mass and maximum ingestion rate; and
- 100 percent of receptor diets consist of the most contaminated food items.

Screening-Level Risk Estimates

Risk estimation involves the comparison of the ecological effects information and the estimated exposures to determine if there is a potential for adverse ecological effects. A Hazard Quotient (HQ) is calculated for each contaminant, environmental medium, and receptor; this quotient is defined as the ratio of the exposure concentrations and the ecological screening values. A HQ less than 1.0 suggests that it is unlikely the contaminant will result in adverse ecological effects.

Uncertainty Assessment

The uncertainties associated with the SERA are addressed in the uncertainty assessment. Potentially important sources of uncertainty include the ecological effects information and the estimates of exposure. The potential impacts of these uncertainties on the estimated risks and, therefore, the conclusions of the SERA are taken into account.

The results of the SERA are used to decide if further evaluation of the ecological risks posed by the site is warranted. EPA guidance states that the risk assessment process may terminate after the screening-level assessment if no potential hazard or risk to ecological receptors is identified. If one or more contaminants are found to pose an unacceptable risk they are identified as Contaminants of Potential Ecological Concern (COPECs). These COPECs may need to be evaluated further in an ecological risk assessment (ERA). This assessment may include the refinement of assumptions about exposure parameters, additional site investigations, and further review of the ecological effects information. The ERA is typically restricted to the COPECs identified in the SERA.

3.0 RESULTS

The results of the Dayton Unit IV SERA are presented below. Aspects of the site that are pertinent to the assessment are discussed in Section 3.1. The ecological effects information used in the analysis is presented in Section 3.2, while the results of the exposure assessment are provided in Section 3.3. The effects information and projected exposures are used in Section 3.4 to estimate the risks posed by the site to ecological receptors. Uncertainties associated with the SERA are discussed in Section 3.5.

3.1 Problem Formulation

Dayton Unit IV is located at the intersection of Runnymede Road and Dixon Avenue in a residential neighborhood in the City of Oakwood, Ohio, approximately 4 km (2.5 mi.) south of the central business district of Dayton. The site includes the land between Runnymede Road and the limits of the formerly fenced area used by Monsanto, as well as an approximate 15-m (50-ft)

wide strip extending along Runnymede Road from the formerly fenced area to an existing storm drainage creek. The total site area is approximately 1 ha (2.5 acres), including 0.9 ha (2.25 acres) within the formerly fenced area; the strip of land running along Runnymede Road comprises 0.1 ha (0.25 acres) of the total area.

The Monsanto Chemical Company acquired the property in 1944 in conjunction with its work to produce polonium-210 for the Manhattan Project. The company converted a building known as the Runnymede Playhouse for use as a laboratory and research/production facility and continued operations at the site until 1949. Two processes were used to obtain the polonium, the first of which involved the extraction of the radionuclide from lead dioxide wastes. The second process involved the chemical separation of polonium-210 from bricks and slugs containing bismuth-209. The building was demolished and the property was returned to the Corps of Engineers for disposition in 1950.

The site is now an established residential neighborhood with several upscale homes and their associated yards. Large grassy areas are present as are several large trees. Past sampling activities at the site focused on soils and pipes that were thought to have been part of the facility's fence. Sampling activities conducted in 2002 included a radiological scoping survey that was designed to find areas with elevated gamma radiation, and sampling and laboratory analysis of soil samples collected from various locations across the site. The locations at which some of the soil samples were collected were based on the results of the scoping survey, historical information about the site, and previous sampling results; other sampling locations were identified using a systematic grid sampling approach. Samples were analyzed for total lead, lead-210, and radium-226; the maximum concentrations at which these contaminants were detected in soils are listed in Table 1. Contaminant concentrations measured in samples collected from soil depths greater than 1.2 m (4 ft) are excluded from this listing; contamination at these locations is not readily accessible to plants and animals. The table also includes the background concentrations for the metals and radionuclides. The background values are based on soils investigations at the Mound Plant in Miamisburg, Ohio and the Fernald Environmental Management Project in Fernald, Ohio. The values adopted for the SERA are the lower of the 95th percentile tolerance limits of the mean background concentrations at these two sites.

Contaminants present at or below background levels are not expected to pose a risk to the environment. Consequently, contaminants with maximum concentrations that were equal to or less than the background levels adopted for the SERA were excluded from the analysis. Radium-226 has a maximum concentration less than its background level and was excluded from the screening level risk assessment. The maximum concentrations of lead and lead-210 exceed their background concentrations and were retained in the assessment.

Plants and animals within the study area may be exposed to soil contamination through a number of exposure pathways. These include direct contact with the contaminants; the ingestion of contaminated vegetation, soil, and prey items; the inhalation of suspended particulates and volatile organic compounds; and direct radiation. The nature and extent of the site are such that the receptors occurring at the site will be limited. In addition to the plant community, these receptors are expected to include soil invertebrates, various insects, small mammals, and select species of birds. No threatened or endangered species are expected to occur at Dayton Unit IV.

Ecological toxicity information is available for a limited number of plant and animal species. The objective of the SERA, then, is to identify receptors that may be impacted by the key exposure pathways that exist at the site and for which sufficient information exists to characterize ecotoxicity. Towards this end, several categories or species of plants and animals were selected for inclusion in the SERA based on the site characterization. These include plants, soil invertebrates, a mammalian herbivore, and mid-level mammalian and avian predators. All plants were lumped into a single generic group; soil invertebrates include soil microorganisms, earthworms, and other organisms. Specific species were identified to represent the mammalian and avian receptors in several instances. The meadow vole was adopted as a surrogate species for the mammalian herbivore, while the short-tailed shrew, American robin, and woodcock were used as surrogate predators; large portions of the shrew, robin, and woodcock diets include invertebrates such as earthworms.

3.2 Ecological Effects Evaluation

Ecotoxicity information was reviewed and used to identify a range of toxicity screening values or benchmarks for lead. These benchmarks are referred to throughout this report as

Ecological Screening Values (ESVs) and are summarized in Table 2. The sources consulted for these screening values include work performed for Oak Ridge National Laboratory (ORNL) by Efroymson et al. (1997a, 1997b) and Sample et al., 1996, the EPA (USEPA, 1999, 2000), Environment Canada (CCME, 1999), and the Dutch Ministry (MHSPE, 2000). The ecological soil screening evaluation conducted by the EPA (USEPA, 2000) did not include screening values for lead.

The ESVs developed for lead by Sample et al. (1996) are provided in terms of contaminant concentrations in food. These values were converted to equivalent soil ESVs by accounting for the uptake of soil contamination by plants and earthworms. The ESV for the meadow vole was divided by the contaminant plant uptake factor for lead to determine the equivalent soil concentration, while the ESVs for the shrew and robin were divided by the lead uptake factor for earthworms. These calculations implicitly assume that 100 percent of the diet of the vole consists of contaminated plants from Dayton Unit IV, while 100 percent of the diets of the shrew and robin consist of contaminated earthworms taken from the site. The plant and earthworm uptake factors for lead that were used to estimate equivalent soil concentrations are 0.56 mg/kg dry tissue per mg/kg dry soil (BJC, 1998) and 1.5 mg/kg wet tissue per mg/kg dry soil (Sample et al., 1998), respectively. A dry-to-wet weight ratio of 0.888 (Baes et al., 1984) was used to convert the plant uptake factors to a wet-weight basis.

The ESVs listed in Table 2 for the EPA represent toxicity reference values and were developed in support of hazardous waste combustion facilities (USEPA, 1999). The values for plants and soil invertebrates are given in terms of soil contaminant concentrations and, as such, are directly comparable to screening values discussed earlier. The toxicity values developed for wildlife species represent the lowest available toxicity value across all species of mammals and birds. These reference values are provided in terms of daily dose (i.e., mg/kg body weight per day); these doses were converted to equivalent soil ESVs for meadow voles, short-tailed shrews, and robins to facilitate comparison with the screening values from the other sources. The daily doses were multiplied by the body weights and divided by the food intake rates of the respective species to estimate food-based screening values. These values were converted to equivalent soil ESVs using the approach described for the wildlife ESVs developed by Sample et al. (1996). Body weight and food intake data used in these calculations are provided in Table 3.

Environment Canada publishes Soil Quality Guidelines for the protection of the environment and human health (CCME, 1999); the guidelines included in Table 2 are environmental limits taken from the supporting document for lead. Guidelines have been developed for four land uses, including agricultural, residential and parkland, commercial, and industrial. The ecological receptors considered in the derivation of the guidelines include plants, soil invertebrates, mammals, and birds.

The soil standards issued by the Dutch Ministry include target and intervention levels, and are designed to be protective of the environment and human health (MHSPE, 2000). These levels provide different degrees of ecological protection and are included in Table 2. The target and intervention values for lead depend upon the clay and/or organic matter content of the soil. The listed values pertain to a soil with 10 percent organic matter and 25 percent clay content, and were not modified to address soil conditions at the Dayton site.

The ESVs discussed above range from screening values for specific species to generic values for groups or classes of organisms. They are used in the Dayton Unit IV SERA to establish what are expected to be reasonable estimates of environmental levels of contamination that will have little or no adverse effect on plants and animals inhabiting or coming into contact with the site. The assessment endpoints for the SERA are those associated with the screening values cited above. The ESVs developed for plants by Efoymson et al. (1997a) represent levels where reductions in growth or yield are expected to be 20 percent or less; 20 percent reductions in the growth, reproduction, and activity of soil microorganisms and earthworms are the levels of impact associated with the screening values adopted by Efroymson et al. (1997b). The screening values based on the work of Sample et al. (1996) represent levels at which no adverse impacts on animal populations are expected to occur. The screening values developed by the EPA (USEPA, 1999) also represent what are expected to be no-effects levels for the exposed organisms. The CCME guidelines for agricultural use are expected to protect domestic crops and animals and native flora and fauna from adverse impacts arising from contact with contaminated soils and the ingestion of contaminated soil and food; guidelines for the remaining land uses address the protection of native species contacting contaminated soils and, in many cases, are less protective. The various guidelines take into account several long-term endpoints including reproduction, growth and development, behavior, activity, respiration, nutrient cycling, and physiological

acclimatization. The target levels developed by the Dutch Ministry (MHSPE, 2000) represent levels of contamination that are expected to have negligible risk to proper ecosystem functioning, while the intervention values represent concentrations above which 50 percent of the potentially exposed species may be adversely affected.

The screening levels summarized above provide perspective on contaminant levels in soil that may pose a risk to plants and animals. This information was used to determine the median ESV and range of screening values for lead for use in the SERA. The intervention values adopted by the Dutch Ministry were not used to develop these statistics because these concentrations are indicative of potentially serious ecological impacts. This evaluation identified a median ESV of 70 mg/kg soil; the screening values for lead range from 2.8E-03 to 900 mg/kg soil.

It has generally been acknowledged that protection of humans from the effects of radiation will also provide adequate protection of environmental receptors. The International Atomic Energy Agency (IAEA, 1992) reviewed the effects of radiation on terrestrial plants and animals and came to a similar conclusion with some exceptions. These exceptions included situations where:

- Biota may exist but human access is restricted,
- Pathways unique to biota are found,
- Rare or endangered species are present, or
- Stressors in addition to radiation occur.

The IAEA concluded that chronic exposures of 1 rad/d or less do not appear to cause observable changes in terrestrial plant populations, while chronic exposures of 0.1 rad/d do not appear to cause observable changes in terrestrial animal populations.

The U.S. Department of Energy (DOE) has developed Biota Concentration Guides (BCGs) for selected radionuclides using the dose criteria established by the IAEA (DOE, 2002). Radionuclide concentrations in environmental media in excess of these BCGs may result in exposures greater than 1 rad/d for plants and 0.1 rad/d for terrestrial animals. The BCGs developed by the DOE for soil were adopted as ESVs for the Dayton Unit IV SERA.

The only radionuclide included in the SERA is lead-210. While the DOE does not provide soil BCGs for lead-210, it does estimate BCGs for radium-226. These concentration guides are based on the assumption that lead-210, a daughter of radium-226, is in secular equilibrium with its parent. While the BCGs for lead-210 and its daughters (i.e., excluding radium-226 and the decay chain members between radium and lead-210) will be greater than those listed for radium-226, the concentration guides for radium were adopted for the SERA. These values are 300 and 50 pCi/g for terrestrial plants and animals, respectively.

3.3 Exposure Estimates

The exposure concentrations are given by the soil contaminant data collected at Dayton Unit IV. The maximum concentrations of lead and lead-210 have been provided in Table 1, along with their background values where they exist.

3.4 Risk Characterization

The HQs estimated for the contaminants included in the Dayton Unit IV SERA are summarized in Table 4; quotients based on the medians and ranges of the ESVs assembled for the assessment are provided. The HQ for lead exceeds 1.0 when the smallest ESVs are used to calculate this ratio, but is smaller than 1.0 when the median and maximum ESVs are used. The HQs for lead-210 are less than 1.0 regardless of the screening value used to calculate these ratios.

The ESVs are intended to represent reasonably conservative estimates of contaminant concentrations that may pose a risk to plants and animals. It is apparent that these screening values may exhibit a large range, depending upon the types of organisms and land uses being considered. As a result, very different conclusions may be reached regarding the potential risk a given contaminant poses depending upon the ESV adopted for the SERA. The COPECs were selected for the SERA on the basis of the HQs calculated using the median values of the ESVs. On this basis, no COPECs were identified for Dayton Unit IV.

3.5 Uncertainty Analysis

The SERA for Dayton Unit IV soils is subject to uncertainties; significant sources of uncertainty include the ecological effects information used to develop the ESVs and the contaminant data and other information used to prepare the exposure estimates. Potential impacts of these uncertainties on the conclusions reached by the SERA are considered in the following paragraphs.

While the HQ for lead calculated using the median ESV was less than 1.0, HQs greater than 1.0 occurred when screening values less than the median value were applied. Exposures of small mammals and birds are the basis of many of the ESVs that resulted in quotients greater than 1.0. Assumptions that are typically made in the development of screening values for these organisms include:

- Home ranges of the organisms are wholly contained within the site boundaries;
- 100 percent bioavailability of all contaminants; and
- Diets of the organisms consist of only the most contaminated media.

It is important to understand the effect these assumptions have on the magnitude of the ESVs if the significance of HQs greater than 1.0 is to be appreciated.

The assumption that the home ranges of the ecological receptors are wholly contained within the boundaries of Dayton Unit IV is not expected to introduce large degrees of conservatism. The home ranges of small mammals such as the meadow vole and short-tailed shrew are typically on the order of 0.4 ha (1 acre) or less, while the territories and foraging ranges of robins are on the order of 0.8 ha (2 acres) or less (USEPA, 1993). The 0.8-ha (2-acre) seminary site and 3-ha (7.5-acre) school site are equal to or greater than these areas.

While the home range of any given animal may lie wholly within the Dayton site, the overall ecological significance of the site is not expected to be great. The residential neighborhood is relatively small and, as such, will support a very small fraction of the local populations of the widespread and common species evaluated in the SERA. Overall, then,

significant impairment of animal communities due to contaminants at the site is unlikely. Supporting this conclusion is the fact that no adverse effects arising from chemical or radiological contamination of the site were apparent during a brief survey of the site.

Total soil concentrations of the contaminants detected at Dayton Unit IV were compared to the ESVs to assess potential risk. This comparison implicitly assumes all contamination is available for uptake by plants and earthworms and, therefore, available to the organisms who feed on the vegetation and soil invertebrates. In fact, it may often be the case that much smaller fractions of these contaminants may be in a form that can be taken up and assimilated by plants and earthworms.

In general, the bioavailability of soil contaminants depends upon various characteristics of the soil matrix and the contaminants themselves. Among the more important soil characteristics are its pH, cation and anion exchange capacities, clay content of the material, and organic matter content. Important contaminant properties for metals include their tendency to exist as anions or cations and their potential to undergo complexation reactions.

The fractions of the Dayton Unit IV contaminants that are actually available for uptake by plants and animals will be specific to that site's soils. Consequently, it will be necessary to understand the properties of those soils before adjustments can be made to the bioavailability fraction of 100 percent that was used in the SERA.

The exposure concentrations are another source of uncertainty associated with the Dayton Unit IV SERA. The analysis was conducted using the maximum measured concentrations of all contaminants. While individual plants and earthworms may face these extreme exposure conditions, the plant and earthworm populations as a whole will face more moderate exposure conditions. Similarly, while the mammalian and avian receptors were assumed to consume food with only the highest contaminant concentrations, it is more realistic to expect that these organisms will sample food items from large portions of the site and, possibly, uncontaminated areas. Under these conditions the receptors would be exposed to contaminant concentrations that more nearly approximate the mean site concentrations.

Use of mean rather than maximum concentrations will substantially reduce the exposure estimates for the plants and animals inhabiting the site. For example, using the 95th percentile

Upper Confidence Limit of the mean lead concentration results in an exposure concentration that is about 65 percent of that estimated using the maximum concentration. The exposure concentration for lead-210 declines 26 percent when the 95th percentile Upper Confidence Limit of the mean is substituted.

The ESVs adopted for the SERA are generally expected to provide conservative estimates of the potential for adverse ecological effects at Dayton Unit IV. However, it should be noted that these screening thresholds do not address some potential exposure pathways. These include the inhalation of airborne metals and organic compounds, and dermal exposure from metals, organic compounds, and radionuclides. Inhalation exposures from metals are generally expected to result in much smaller doses than the ingestion pathways evaluated in the SERA. Dermal exposures are insignificant for most metals due to the contaminants' very low absorption coefficients. Inhalation and dermal exposures from organic compounds may be more significant.

3.6 Summary and Conclusions

The Dayton Unit IV SERA evaluated the potential for harmful effects to ecological receptors exposed to lead, lead-210, and radium-226 detected in soils at the facility. Potential ecological receptors are plants, soil invertebrates, and species of small mammals and birds. Maximum concentrations of the contaminants were used to assess potential risk to these receptors. None of the contaminants were identified as COPECs.

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TABLE 1

BACKGROUND AND MAXIMUM SOIL CONCENTRATIONS FOR DAYTON UNIT IV.

Contaminant	Background Concentration	Maximum Concentration
Metals	**(mg/kg soil)**	**(mg/kg soil)**
Lead	3.1E+01	6.0E+01
Radionuclides	**(pCi/g)**	**(pCi/g)**
Lead-210	1.6E+00	1.8E+00
Radium-226	1.6E+00	1.4E+00

TABLE 2

SUMMARY OF ESVS FOR LEAD

	Source of ESV			
Receptor or Endpoint	**Oak Ridge National Laboratory[a]**	**U.S. Environmental Protection Agency[b]**	**Environment Canada Soil Quality Guidelines[c]**	**Dutch Ministry[d]**
Plants	5.0E+01 mg/kg soil	4.6E+01 mg/kg soil		
Soil microorganisms	9.0E+02 mg/kg soil			
Earthworms or soil invertebrates	5.0E+02 mg/kg soil	1.0E+02 mg/kg soil		
Meadow vole	1.2E+02 kg/kg food	3.8E-02 mg/kg BW-d[e]		
Short-tailed shrew	2.9E+01 mg/kg food	3.8E-02 mg/kg BW-d[e]		
American robin	9.4E-01 mg/kg food	2.5E-02 mg/kg BW-d[f]		
Agricultural land use			7.0E+01 mg/kg soil	
Residential or parkland land use			3.0E+02 mg/kg soil	
Commercial or industrial land use			6.0E+02 mg/kg soil	
Target value				8.5E+01 mg/kg soil
Intervention value				5.3E+02 mg/kg soil

a. Sources: Efroymson et al., 1997a, 1997b; Sample et al., 1996.
b. Source: EPA, 1999.
c. Source: CCME, 1999.
d. Source: MHSPE, 2000.
e. The listed value applies to mammals; it is assigned to specific species for ease of presentation.
f. The listed value applies to birds; it is assigned to a specific species for ease of presentation.

TABLE 3

BODY WEIGHTS AND FOOD INTAKE RATES USED TO ESTIMATE EQUIVALENT SOIL ESVS.[A]

	Body Weight	Food Intake Rate
Wildlife Species	**Kg**	**(kg/d)**
Short-tailed shrew	9.0E-03	1.5E-02
Meadow vole	5.0E-03	4.4E-02
American robin	9.3E-02	7.7E-02

a. Source: Sample et al., 1996.

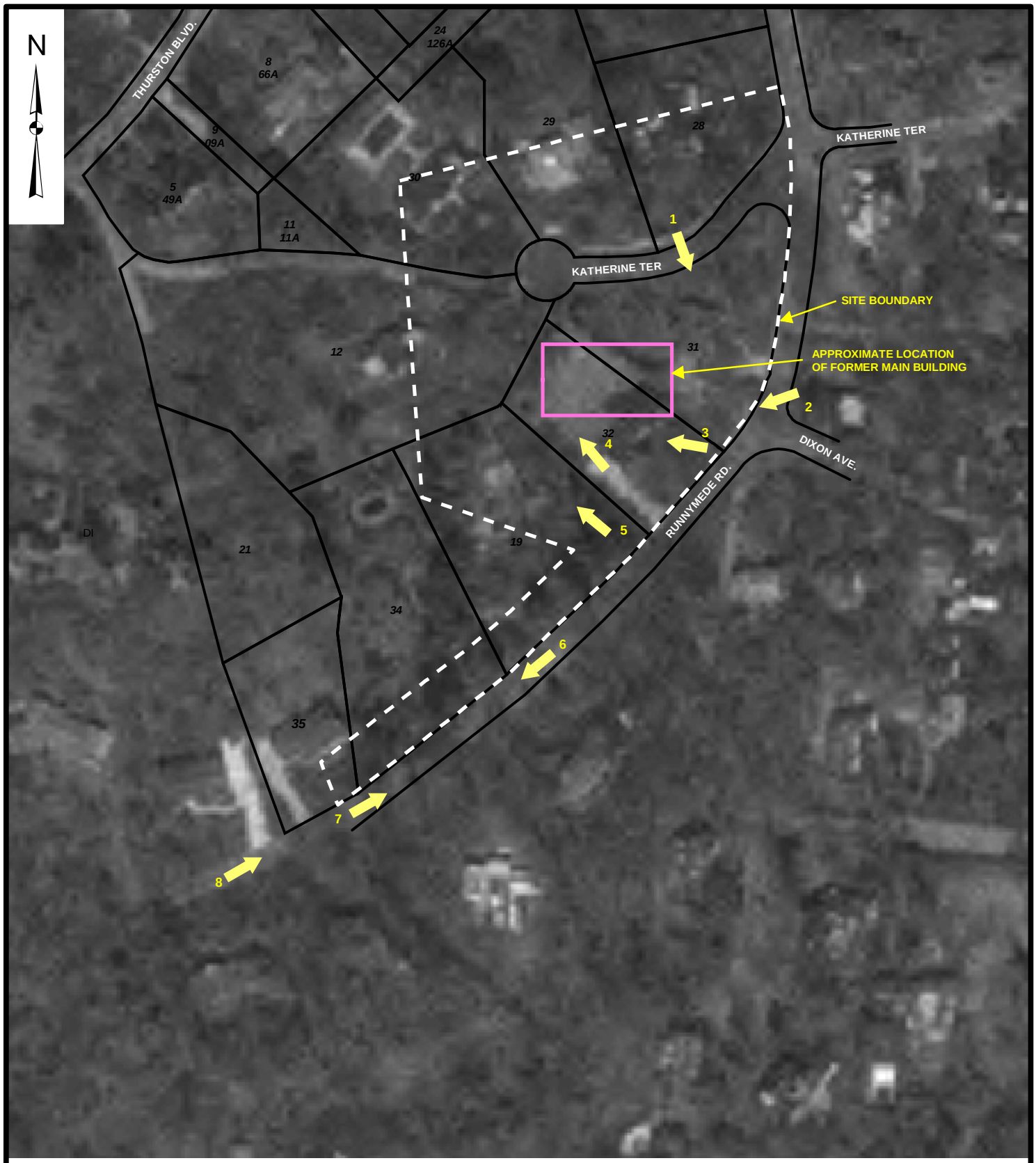
TABLE 4

ESTIMATED HQS FOR METALS AND RADIONUCLIDES AT DAYTON UNIT IV.

Contaminant	ESV			HQ	
	Median	Range	Maximum Concentration	Median	Range
Metals	**(mg/kg soil)**	**(mg/kg soil)**	**(mg/kg soil)**		
Lead	7.0E+01	2.8E-03 - 9.0E+02	6.0E+01	8.6E-01	6.7E-02 - 2.1E+04
Radionuclides	**(pCi/g soil)**	**(pCi/g soil)**	**(pCi/g soil)**		
Lead-210	--[a]	5.0E+01 – 3.0E+02	1.8E+00	--[b]	6.1E-03 – 3.7E-02

a. No median was calculated due to the limited number of screening values.
b. No hazard quotient could be calculated.

APPENDIX G
SITE PHOTOGRAPHS



Legend

1 Photograph Direction and Number

NOTE:
1) Photograph locations are approximate.

0 75 150 300 Feet

URS

DAYTON UNIT IV - RUNNYMEDE PLAYHOUSE
KEY TO PHOTOGRAPHS

FIGURE G-1

N:\11171422.00000\GIS\ArcMap\photolocations.mxd Date: 10/22/2003 11:55:29 AM

DAYTON UNIT IV
Runnymede Playhouse Site Inspection

Photo 1 - Standing on South side of Katherine Terrace looking Southeast. Home on Parcel 31 visible.

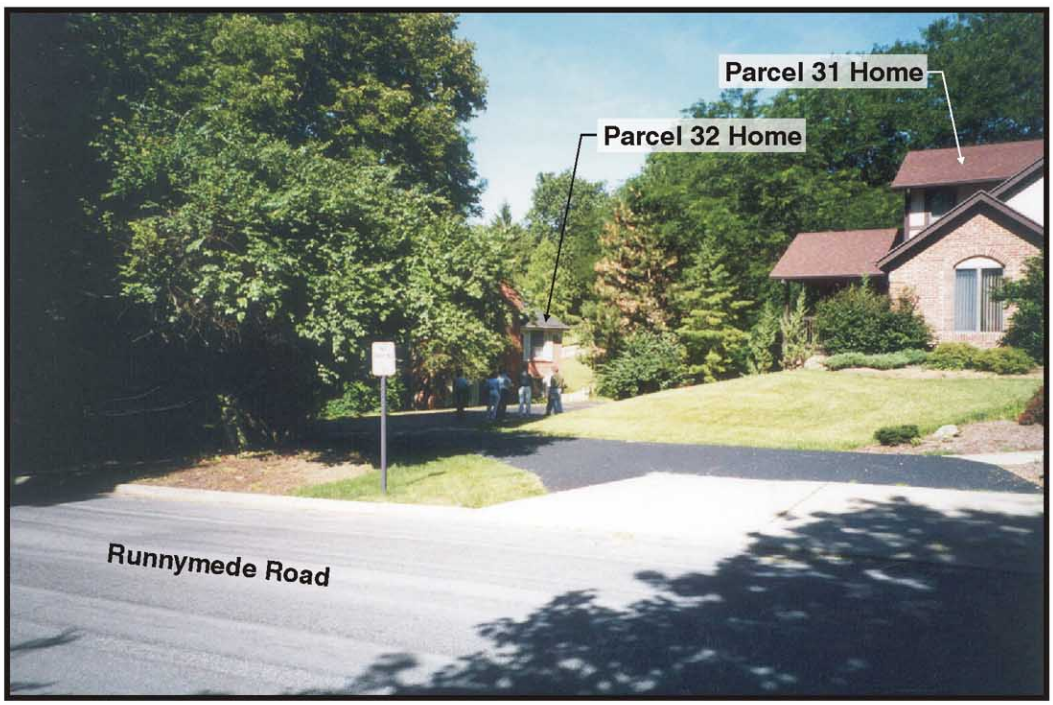


Photo 2 - Standing on Runnymede Road looking Southwest.

DAYTON UNIT IV
Runnymede Playhouse Site Inspection

Photo 3 - Standing next to Parcel 32 home looking west into site of former Playhouse.

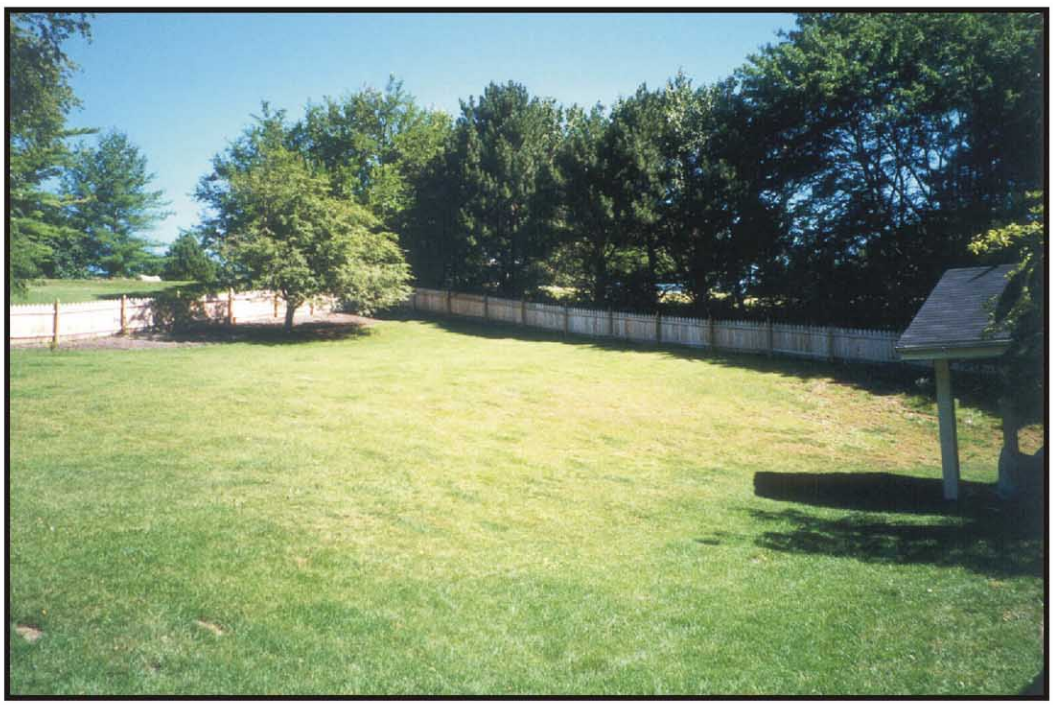


Photo 4 - Standing on Parcel 32 looking North at site of former Playhouse.

DAYTON UNIT IV
Runnymede Playhouse Site Inspection

Photo 5 - Home on Parcel 19 looking Northwest.

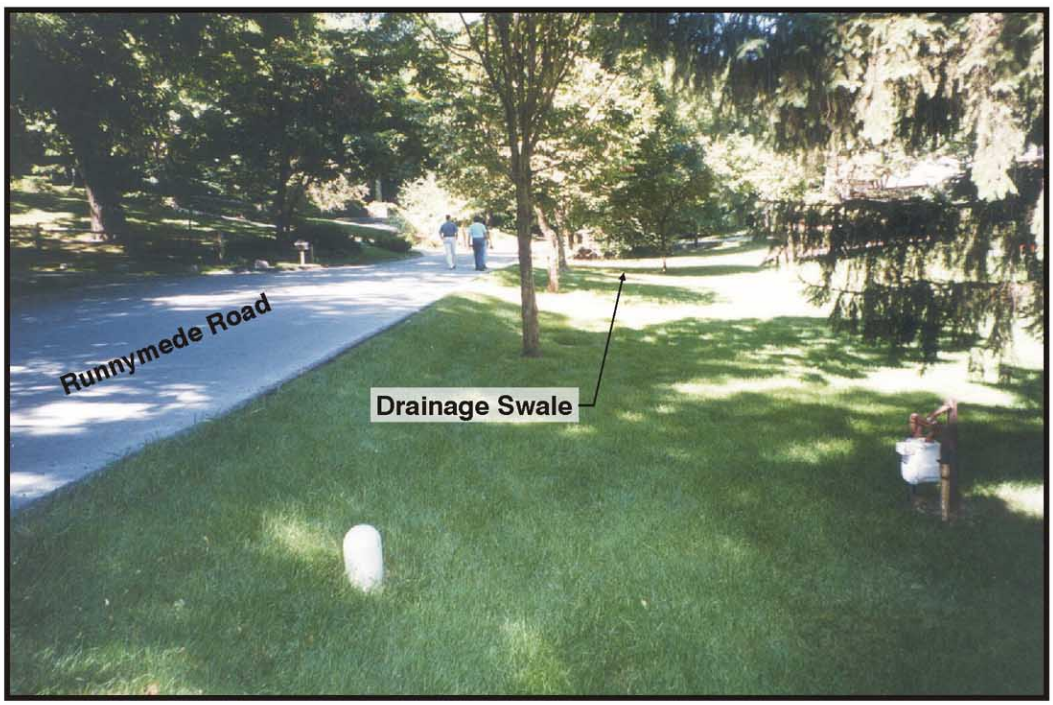


Photo 6 - Looking South along Runnymede Road at Parcel 19/34 property line.

DAYTON UNIT IV
Runnymede Playhouse Site Inspection

Photo 7 - Standing at South end of Runnymede Road, at Southwest corner of Parcel 34, looking Northeast.

Photo 8 - At Southwest corner of Parcel 35 looking Northeast.