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PROJECT REPORT

FOR

U.S. Geological Survey

Texas Counties Lidar ARRA, Hidalgo Co.

September 15, 2011

AEROMETRIC PROJECT NO. 1-101205

Airborne GPS Survey Report

For

U.S. Geological Survey (Hidalgo County, TX – LiDAR)

NGTOC III

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AEROMETRIC Project No. 1101205

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USGS

Texas Counties Lidar ARRA, Hidalgo Co.

Aerometric Project No. 1101205

1 INTRODUCTION

This report contains a summary of the LiDAR data acquisition and processing for the **USGS – FOUR COUNTIES TEXAS LiDAR TASK ORDER, HIDALGO COUNTY**.

1.1 Contact Info

Questions regarding the technical aspects of this report should be addressed to:

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1.2 Purpose

AeroMetric, Inc. acquired highly accurate Light Detection and Ranging (LiDAR) data for Hidalgo County, Texas for the United State Geological Survey. Using AeroMetric's Optech 3100 AE LiDAR system, data was collected at 2500 meters to support the project area requirements.

1.3 Project Locations

This phase of the project covers Hidalgo County, Texas as designed and supplied by USGS under Task Order No. G10PD02746, Contract No. G10PC00025 entered into on September 17, 2010 between the US Geological Survey – NGTOC III and AeroMetric, Inc.

1.4 Time Period

LiDAR data acquisition was completed between February 1st, 2011 and March 2nd, 2011. A total of 10 flight missions were required to cover Hidalgo and Willacy Counties. See Item 3.4 for a sketch of the acquisition missions and Section 7 of the report for each flight log. QC surveys were completed between January 25th and February 5th, 2011.

1.5 Project Scope

AeroMetric, Inc. acquired highly accurate Light Detection and Ranging (LiDAR) data for Hidalgo County which encompass approximately 1071 square miles in southern Texas. Using AeroMetric's Optech 3100 AE LiDAR system, data was collected at 2500 meters above mean terrain to support this phase of the project area's requirements.

As documented in our proposal dated September 9, 2010 we were to achieve a TIN accuracy of 24.5 cm for all areas. The accuracy as tested and published in this report in Section 8 has easily met the vertical accuracy requirements.

1.6 Conditions Affecting Progress

- None.

2 GEODETIC CONTROL

2.1 Network Scope

The check point survey and adjustment combined Hidalgo and Willacy counties.

Base horizontal control for the check point surveys consisted of one NGS First Order station: **25R B**; and three NGS CORS stations: **KVTX**, **TXLR**, and **TXPR**.

Horizontal control is referenced to the Universal Transverse Mercator (UTM) Coordinate System – Zone 14, based on the North American Datum of 1983/2007 (NAD83/07). Final coordinates are published in meters.

Base vertical control for the check point surveys consisted of two NGS First Order, Class 1 stations: **B 1408** and **N 1408**; one NGS Fifth Order station: **25R B**, and three NGS CORS stations: **KVTX**, **TXLR**, and **TXPR**. Three NGS Third Order stations (E 630 RESET, R 630 RESET, and U 630 RESET) were also observed, but not constrained in the final adjustment as their published elevations did not agree with the higher order stations. The NGS Geoid Model GEOID09 was applied to the derived ellipsoid heights that approximate the North American Vertical Datum of 1988.

Vertical control is based on the North American Vertical Datum of 1988 (NAVD88).

Base horizontal and vertical control for the Airborne GPS surveys consisted of two set base stations: **Harlingen** and **TXPR**.

NGS recovery sheets are located in Section 2 of the Control Survey Report.

2.2 Network Computations

GPS measurements were done in two stages. Initial computations were done with LEICA Geo Office (LGO), version 4.0. LGO permits the conversion of raw satellite data collected by the receivers to a meaningful coordinate difference between points (baseline solutions). Once the baseline solutions were determined, they were input into the GeoSurv-GeoLab2 series of programs (Geolab version 2.4d). Adjustments were performed for analysis and quality closure holding the position and elevation of **TXPR** fixed, as shown below.

HORIZONTAL CLOSURES (in meters)

STATION	NORTHING	EASTING	LINEAR	DISTANCE	PROPORTION
25R B	0.021	0.020	0.029	26743.0	1: 922000
KVTX	0.022	0.006	0.023	151047.4	1:6623000
TXLR	0.015	0.004	0.016	191145.9	1:12312000

VERTICAL CLOSURES (in meters)

STATION	ADJUSTED ELEVATION	PUBLISHED ELEVATION	DIFFERENCE	DISTANCE	ALLOWABLE 3rd ORDER CLOSURE
25R B	-3.276*	-3.277*	0.001	26743.0	0.062
B 1408	10.496	10.468	0.028	54043.4	0.088
E 630 RESET	67.617	67.770	0.153+	51736.3	0.086
KVTX	-1.316*	-1.293*	0.023	151047.4	0.147
N 1408	13.718	13.726	0.008	43013.6	0.079
R 630 RESET	31.498	31.100	0.602+	42813.1	0.079
TXLR	114.883*	114.910*	0.027	191145.9	0.166
U 630 RESET	27.032	27.170	0.138+	40864.8	0.077

* Ellipsoid elevation
\+ Not constrained in final adjustment

All the published control values were held in the fully constrained scaled least squares base network adjustment that was used to derive the Ground Control Checkpoints unless marked otherwise above.

3 LiDAR ACQUISITION & PROCEDURES

3.1 Acquisition Time Period

LiDAR data acquisition and Airborne GPS control surveys were completed between February 1st and March 2nd, 2011. A total of 10 flight missions were required to cover the area of Willacy and Hidalgo counties.

3.2 LiDAR Planning

The LiDAR data for this project was collected with AeroMetric's Optech 3100 AE Airborne LiDAR system (Serial Number 03SEN145). All flight planning and acquisition was completed using Optech's ALTM-Nav, version 2.1.25b (flight planning and LiDAR control software).

The following are the acquisition settings for Hidalgo County.

- Flying Height (Above Ground): 2500 meters
- Laser Pulse Rate: 50 kHz
- Mirror Scan Frequency: 24.5 Hz
- Scan Angle (+/-): 17°
- Side Lap: 30 %
- Ground Speed: 160 kts
- Nominal Point Spacing: 1.5 meters

3.3 LiDAR Acquisition

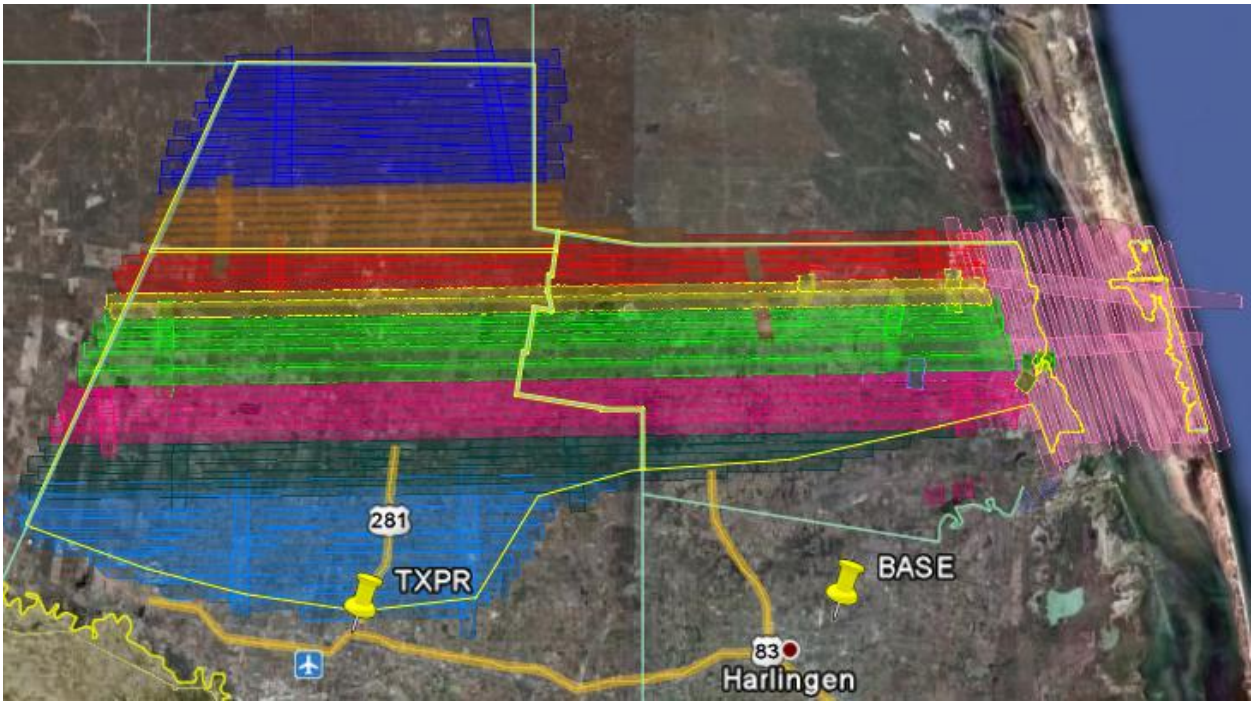
A total of 10 flight missions were required to cover the project area. The missions were flown using the above planned values. See section 3.4 for a sketch of the acquisition missions and Section 6 of the report for each flight log.

Airborne GPS and IMU trajectories for the LiDAR sensor were also acquired during the time of flight.

Each mission was typically about four hours long. Before take-off, the LiDAR system and the Airborne GPS and IMU systems were initiated for a period of five minutes and then again after landing for another five minutes. The missions acquired data according to the planned flight lines and included a minimum of one (usually two) cross flights. The cross flights were flown perpendicular to the planned flight lines and their data used in the in-situ calibration of the sensor.

3.4 LiDAR Trajectory Processing

The airborne positioning was based on the following control stations: TXPR and a Base station.



4 QC SURVEYS

The check point survey was performed between January 25th and February 5th, 2011 using Rapid Static GPS techniques. A total of 210 check points were surveyed across the Hidalgo and Willacy county project areas. Of these points, 82 were in Hidalgo County and 128 were in Willacy County. For each county, these points were collected in hard surface, short grass, and tall grass ground classification categories. Hard surface points were used to assess Fundamental Vertical Accuracy. For each county, twenty hard surface points were not used in the assessment and were delivered to the client along with the short grass and tall grass points.

Common control stations mentioned above to support the Airborne GPS acquisition were also used to complete the QC surveys.

See Section 5 of the control report for a complete listing.

5 FINAL LiDAR PROCESSING

5.1 ABGPS and IMU Processing

Airborne GPS

Applanix - POSGPS
Utilizing carrier phase ambiguity resolution on the fly (i.e., without initialization). The solution to sub-decimeter kinematic positioning without the operational constraint of static initialization as used in semi-kinematic or stop-and-go positioning was utilized for the airborne GPS post-processing.

The processing technique used by Applanix, Inc. for achieving the desired accuracy is Kinematic Ambiguity Resolution (KAR). KAR searches for ambiguities and uses a special method to evaluate the relative quality of each intersection (RMS). The quality indicator is used to evaluate the accuracy of the solution for each processing computation. In addition to the quality indicator, the software will compute separation plots between any two solutions, which will ultimately determine the acceptance of the airborne GPS post processing.

Inertial Data
The post-processing of inertial and aiding sensor data (i.e. airborne GPS post processed data) is to compute an optimally blended navigation solution. The Kalman filter-based aided inertial navigation algorithm generates an accurate (in the sense of least-square error) navigation solution that will retain the best characteristics of the processed input data. An example of inertial/GPS sensor blending is the following: inertial data is smooth in the short term. However, a free-inertial navigation solution has errors that grow without bound with time. A GPS navigation solution exhibits short-term noise but has errors that are bounded. This optimally blended navigation solution will retain the best features of both, i.e. the blended navigation solution has errors that are smooth and bounded.
The resultant processing generates the following data:

- Position: Latitude, Longitude, Altitude
- Velocity: North, East, and Down components
- 3-axis attitude: roll, pitch, true heading
- Acceleration: x, y, z components
- Angular rates: x, y, z components

The Applanix software, version 4.4 as well as MMS version 5.2 were used to determine both the ABGPS trajectory and the blending of inertial data.

The airborne GPS and blending of inertial and GPS post-processing were completed in multiple steps.

1. The collected data was transferred from the field data collectors to the main computer. Data was saved under the project number and separated between LiDAR mission dates. Inside each mission date, a sub-directory was created with the aircraft's tail number and an A or B suffix was attached for the time of day when the data was collected. Inside the tail number sub-directory, five sub-directories were also created EO, GPS, IMU, PROC, and RAW.

2. The aircraft raw data (IMU and GPS data combined) was run through a data extractor program. This separated the IMU and GPS data. In addition to the extracting of data, it provided the analyst the first statistics on the overall flight. The program was POSPac (POS post-processing PACkage).

3. Executing POSGPS program to derive accurate GPS positions for all flights:
   Applanix POSGPS
   The software utilized for the data collected was PosGPS, a kinematic on-the-fly (OTF) processing software package. Post processing of the data is computed from each base station (Note: only base stations within the flying area were used) in both a forward and backward direction. This provides the analyst the ability to Quality Check (QC) the post processing, since different ambiguities are determined from different base stations and also with the same data from different directions.

   The trajectory separation program is designed to display the time of week that the airborne or roving antenna traveled, and compute the differences found between processing runs. Processed data can be compared between a forward/reverse solution from one base station, a reverse solution from one base station and a forward solution from the second base station, etc. For the Applanix POSGPS processing, this is considered the final QC check for the given mission. If wrong ambiguities were found with one or both runs, the analyst would see disagreements from the trajectory plot, and re-processing would continue until an agreement was determined.

   Once the analyst accepts a forward and reverse processing solution, the trajectory plot is analyzed and the combined solution is stored in a file format acceptable for the IMU post processor.

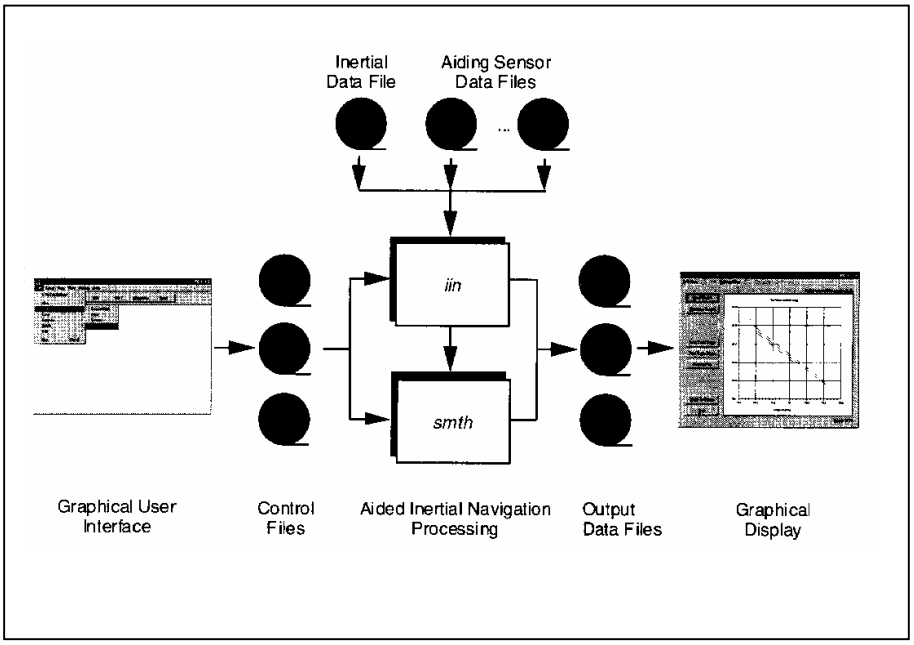
   Please see Section 7 of the control report for the final accepted trajectory plots.

4. When the processed trajectory data is accepted after quality control analysis, the combined solution is stored in a file format acceptable for the IMU post processor (i.e. POSProc).

5. Execute POSProc.

   POSProc comprises a set of individual processing interface tools that execute and provide the following functions:

   This diagram shows the organization of these tools, and is a function of the



   POSProc processing components.

   - Integrated Inertial Navigation (*iin*) Module.

     The name *iin* is a contraction of Integrated Inertial Navigation. *iin* reads inertial data and aiding data from data files specified in a processing environment file and computes the aided inertial navigation solution. The inertial data comes from a strapdown IMU. *iin* outputs the navigation data between start and end times at a data rate as specified in the environment file. *iin* also outputs Kalman filter data for analysis of estimation error statistics and smoother data that the smoothing program *smth* uses to improve the navigation solution accuracy.

     iin implements a full strapdown inertial navigator that solves Newton's equation of motion on the earth using inertial data from a strapdown IMU. The inertial navigator implements coning and sculling compensation to handle potential problems caused by vibration of the IMU.

- Smoother Module (*smth*).
  smth is a companion processing module to *iin*. *smth* is comprised of two individual functions that run in sequence. *smth* first runs the *smoother function* and then runs the *navigation correction function*.

  The *smth* smoother function performs backwards-in-time processing of the forwards-in-time blended navigation solution and Kalman filter data generated by *iin* to compute smoothed error estimates. *smth* implements a modified Bryson-Frazier smoothing algorithm specifically designed for use with the *iin* Kalman filter. The resulting smoothed strapdown navigator error estimates at a given time point are the optimal estimates based on all input data before and after the given time point. In this sense, *smth* makes use of all available information in the input data. *smth* writes the smoothed error estimates and their RMS estimation errors to output data files.

  The *smth* navigation correction function implements a feedforward error correction mechanism similar to that in the *iin* strapdown navigation solution using the smoothed strapdown navigation errors. s*mth* reads in the smoothed error estimates and with these, corrects the strapdown navigation data. The resulting navigation solution is called a Best Estimate of Trajectory (BET), and is the best obtainable estimate of vehicle trajectory with the available inertial and aiding sensor data.

The above mentioned modules provide the analyst the following statistics to ensure that the most optimal solution was achieved: a log of the *iin* processing, the Kalman filter Measurement Residuals, Smoothed RMS Estimation Errors, and Smoothed Sensor Errors and RMS.

5.2 LiDAR "Point Cloud" Processing

The ABGPS/IMU post processed data along with the LiDAR raw measurements were processed using Optech Incorporated's ASDA software. This software was used to match the raw LiDAR measurements with the computed ABGPS/IMU positions and attitudes of the LiDAR sensor. The result was a "point cloud" of LiDAR measured points referenced to the ground control system.

5.3 LIDAR CALIBRATION

Introduction

The purpose of the LiDAR system calibration is to refine the system parameters in order for the post-processing software to produce a “point cloud” that best fits the actual ground.

The following narrative outlines the calibration techniques employed for this project.

Calibration Procedures

AeroMetric routinely performs two types of calibrations on its Optech 3100 LiDAR system. The first calibration, system calibration, is performed whenever the LiDAR system is installed in the aircraft. This calibration is performed to define the system parameters affected by the physical misalignment of the system versus aircraft. The second calibration, in-situ calibration, is performed for each mission using that mission’s data. This calibration is performed to refine the system parameters that are affected by the on-site conditions as needed.

System Calibration and Correction Software

Optech developed proprietary calibration software in December of 2009 that performs the system calibration. The results from this new software achieved excellent results and an accuracy that meets the project requirements.

This new calibration tool incorporates Optech’s proprietary optical sensor models to compute laser point positions and provide laser point calibration improvements on a per flightline basis for the entire project area. It furthermore calculates planar surfaces at different angles from each flight line and then uses a robust least squares solution to compute the orientation parameters at the optical level instead of the traditional methods relating to the ground points. Determining and correcting at the optical level is critical when correcting the data especially when working in terrain and aggressive design parameters as found in this project. Each flight line was computed individually and output in LAS 1.2 format.

In-situ Calibration

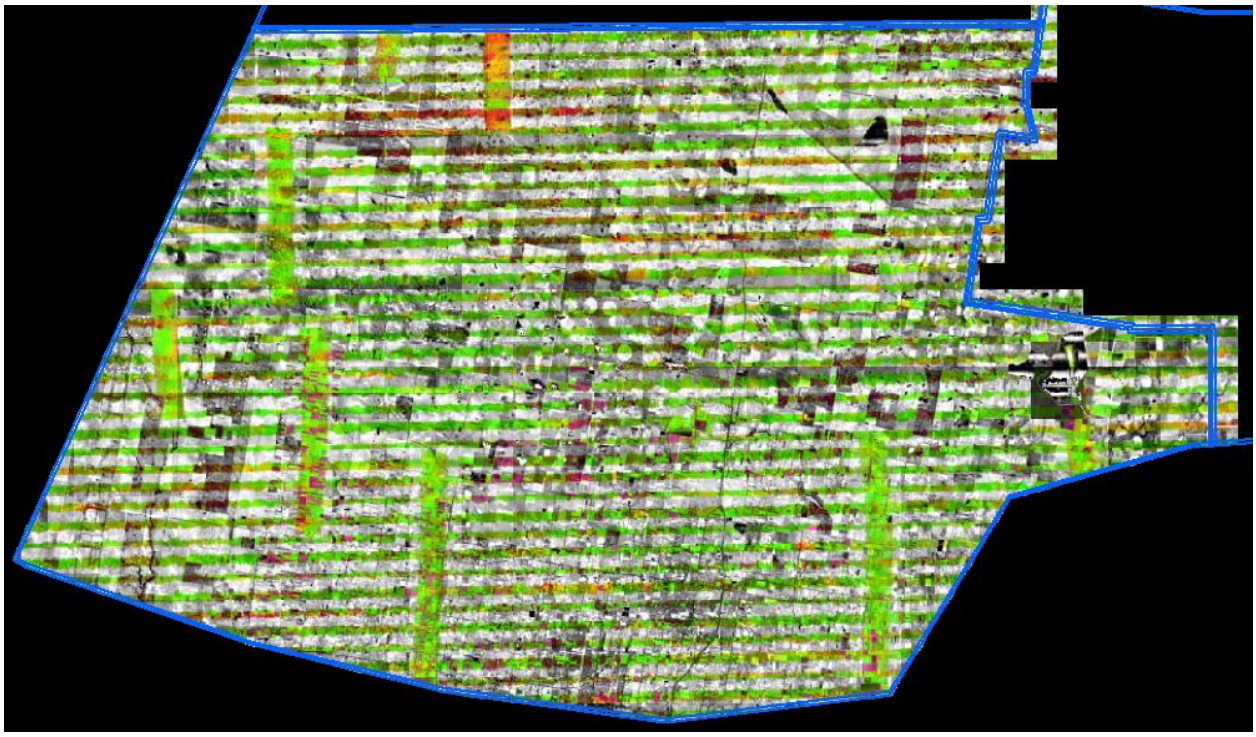
The in-situ calibration is performed as needed using the mission’s data. This calibration is performed to refine the system parameters that are affected by the on-site conditions.

For each mission, LiDAR data for at least one cross flight is acquired over the mission’s acquisition site. The processed data of the cross flight is compared to the perpendicular flight lines using either the Optech proprietary software or TerraSolid's TerraMatch software to determine if any systematic errors are present. In this calibration, the data of individual flight lines are compared against each other and their systematic errors are corrected in the final processed data.

5.4 LiDAR Processing

The LAS files were then imported, verified, and parsed into manageable, tiled grids using GeoCue version 7.0.34.5. GeoCue allows for ease of data management and process tracking.

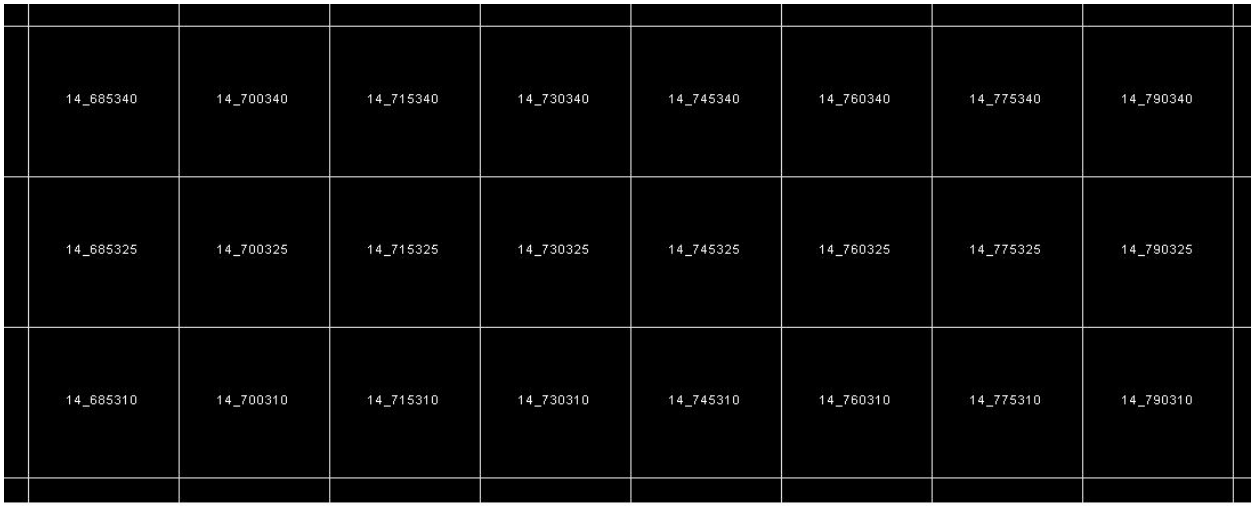
The first step after the data has been processed and calibrated is to perform a relative accuracy assessment on the flightline to flightline comparisons and also a data density test prior to any further processing. To determine a proper accuracy assessment between flightlines, AeroMetric uses GeoCue to create Orthos by elevation differences. The generated orthos have assigned elevation ranges that allow the technician to evaluate if the data passes the accuracy assessment and also determine if additional calibration efforts are needed based on the bias trends. Below is a screen capture of the elevation ortho where green indicates a flightline comparison of less than 0.05 meters; yellow is 0.050 – 0.100 meters; orange is 0.101 – 0.150 meters; red is 0.151 – 0.200 meters, and greater than 0.20 meters is magenta.



Hidalgo County

In addition to the relative accuracy assessment, AeroMetric also reviews some tiles to ensure that the required density has been met. AeroMetric utilizes an in-

house proprietary software to complete this task. Initially a grid was placed according to the version 12 specification that is based on the nominal post spacing of 1.5 meters. The results indicated that the density of the sampled tiles achieved only 76.7% of the points meeting the specified data density criteria. However, using the latest USGS specification, version 13, which modifies the requirements to allow up to 2 times the nominal post spacing our data tests now easily meets the desired density requirements. Below are the statistics from the results of the inspected tiles as shown in the image below.



Sampled tiles: Hidalgo County (14_685310, 14_685325, 14_685340, 14_700310, 14_700325, 14_700340, 14_715310, 14_715325, 14_715340, 14_730310, 14_730325, 14_730340, 14_745310, 14_745325, 14_745340, 14_760310, 14_760325, 14_760340, 14_775310, 14_775325, 14_775340, 14_790310, 14_790325, and 14_790340). These tiles were selected for having minimal surface water visible.

Run 1 (Version 12 – 1.5m)
Total number of cells: 24,048,024
Total number of cells with one point: 12,827,634
Total number of cells with one or more points: 18,437,878
Percentage of tiles with 1 or more points: 76.7%

Run 2 (Version 13 – 3.0m)
Total number of cells: 6,024,024
Total number of cells with one point: 174,737
Total number of cells with one or more points: 5,996,987
Percentage of tiles with 1 or more points: 99.6%

Once both the accuracy between swaths and data density is accepted an automated classification algorithm is performed using TerraSolid's TerraScan, version 11.005. This will produce the majority of the bare-earth datasets.

The remainder of the data was classified using manual classification techniques. The majority of the manual edit moved points misclassified as ground (class 2) to unclassified (class 1). Erroneous low points, high points, including clouds are classified to class 7.

5.4 Check Point Validation

The data was then verified using the ground control data collected by AeroMetric. TerraScan is used to compute the vertical differences between the surveyed elevation and the LiDAR derived elevation closest to the surveyed point.

A report listing the differences and common statistics was created and can be found in Section 8 of this report.

5.5 LiDAR Data Delivery

Raw point cloud data supplied is in the following format:

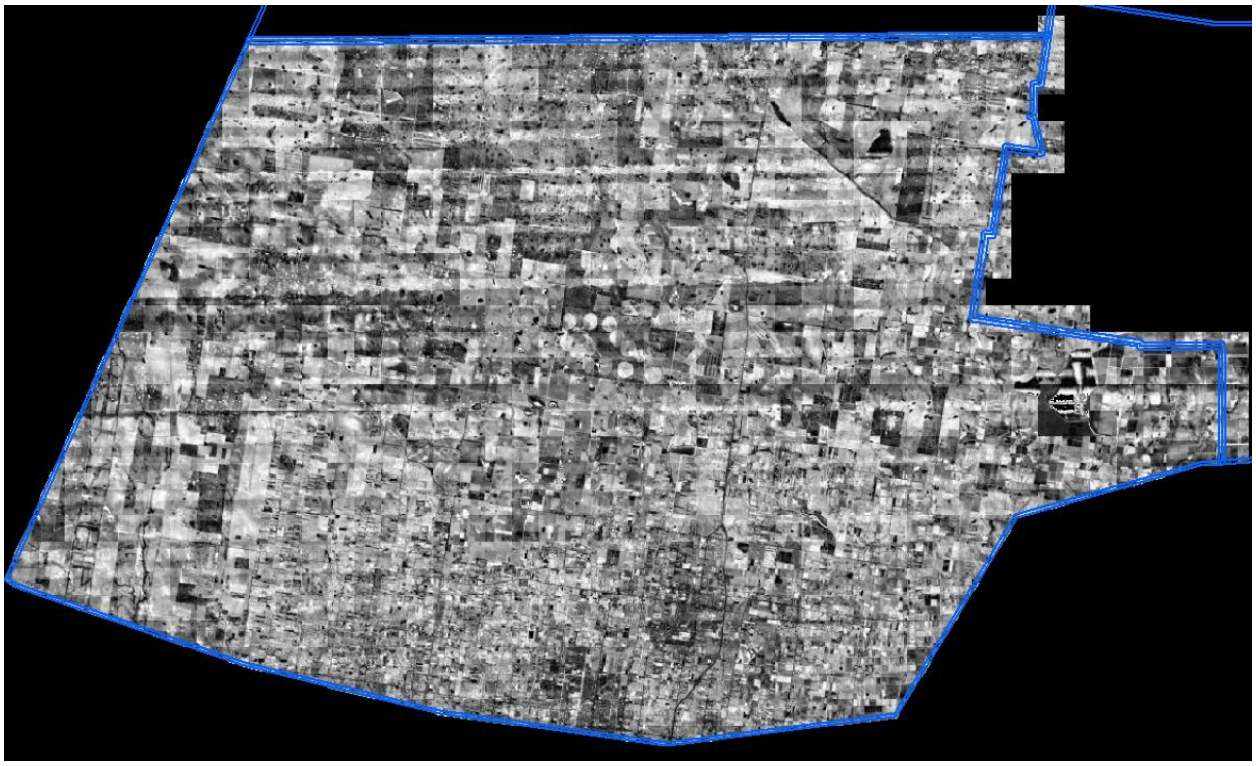
- LAS, version 1.2
- GPS times adjusted to GPS Absolute
- Full swaths and delivered as 1 file per swath which did not exceed 2gb.

Classified point cloud data is also being supplied using the following criteria.

- LAS, version 1.2
- GPS times adjusted to GPS Absolute
- Classification scheme:
    - Code 1 – Processed, but unclassified
    - Code 2 – Ground
    - Code 7 – Noise
    - Code 9 - Water
    - Code 10 – Ignored Ground (Breakline proximity)

The 2 meter bare-earth DEMs were created in the following manner. First, ArcGrids in ASCII format were created using TerraModeler version 11.001 (TerraSolid Ltd.). The ASCII grids were then imported into ARC and translated to .IMG raster format.

The first return 2 meter intensity images were created using GeoCue. These images are in GeoTiff format.



Hidalgo County Intensity Raster

Breaklines are first collected in a Microstation environment using the base specifications. Upon acceptance of the breaklines, either polygons or lines, are translated into ARC and imported to the final geodatabase as separate features.

6 CONCLUSION

Because of the rigorous procedures and use of new technology, this project will serve the USGS and all users requiring the provided LiDAR derivative products for Hidalgo County Texas well into the future. Although this project challenged both the equipment and personnel, the results are extremely accurate and reliable.

The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

```
DATABASE =  ,PROGRAM = datasheet, VERSION = 7.87
1        National Geodetic Survey,   Retrieval Date = JUNE  7, 2011
 DF6327 ***********************************************************************
 DF6327  SACS        -  This is a Secondary Airport Control Station.
 DF6327  DESIGNATION -  25R B
 DF6327  PID         -  DF6327
 DF6327  STATE/COUNTY-  TX/HIDALGO
 DF6327  USGS QUAD   -  HARGILL (1963)
 DF6327
 DF6327                        *CURRENT SURVEY CONTROL
 DF6327  ___________________________________________________________________
 DF6327* NAD 83(2007)-  26 26 33.64295(N)    098 07 26.61695(W)     ADJUSTED
 DF6327* NAVD 88     -        20.64   (meters)      67.7    (feet)  GPS OBS
 DF6327  ___________________________________________________________________
 DF6327  EPOCH DATE  -        2002.00
 DF6327  X           -    -807,576.913 (meters)                     COMP
 DF6327  Y           -  -5,657,299.663 (meters)                     COMP
 DF6327  Z           -   2,823,058.328 (meters)                     COMP
 DF6327  LAPLACE CORR-           1.10  (seconds)                    DEFLEC09
 DF6327  ELLIP HEIGHT-          -3.277 (meters)          (02/10/07) ADJUSTED
 DF6327  GEOID HEIGHT-         -23.94  (meters)                     GEOID09
 DF6327
 DF6327  ------- Accuracy Estimates (at 95% Confidence Level in cm) --------
 DF6327  Type    PID    Designation                     North   East  Ellip
 DF6327  -------------------------------------------------------------------
 DF6327  NETWORK DF6327 25R B                             0.78   0.57   1.35
 DF6327  -------------------------------------------------------------------
 DF6327
 DF6327.This mark is at Edinburg Rio Grd Valley Reg Freight Trml Airport (25R)
 DF6327
 DF6327.The horizontal coordinates were established by GPS observations
 DF6327.and adjusted by the National Geodetic Survey in February 2007.
 DF6327
 DF6327.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 DF6327.See National Readjustment for more information.
 DF6327.The horizontal coordinates are valid at the epoch date displayed above.
 DF6327.The epoch date for horizontal control is a decimal equivalence
 DF6327.of Year/Month/Day.
 DF6327
 DF6327.The orthometric height was determined by GPS observations and a
 DF6327.high-resolution geoid model.
 DF6327
 DF6327.GPS derived orthometric heights for airport stations designated as
 DF6327.PACS or SACS are published to 2 decimal places.  This maintains
 DF6327.centimeter relative accuracy between the PACS and SACS.  It does
 DF6327.not indicate centimeter accuracy relative to other marks which are
 DF6327.part of the NAVD 88 network.
```

```
DF6327
DF6327.Photographs are available for this station.
DF6327
DF6327.The X, Y, and Z were computed from the position and the ellipsoidal ht.
DF6327
DF6327.The Laplace correction was computed from DEFLEC09 derived deflections.
DF6327
DF6327.The ellipsoidal height was determined by GPS observations
DF6327.and is referenced to NAD 83.
DF6327
DF6327.The geoid height was determined by GEOID09.
DF6327
DF6327;                    North         East     Units Scale Factor Converg.
DF6327;SPC TX S     - 5,086,032.544   337,493.810   MT  0.99994195   +0 10 14.4
DF6327;SPC TX S     -16,686,425.10  1,107,260.94   sFT  0.99994195   +0 10 14.4
DF6327;UTM  14      - 2,925,006.489   587,332.914   MT  0.99969416   +0 23 24.3
DF6327
DF6327!             -  Elev Factor  x  Scale Factor =   Combined Factor
DF6327!SPC TX S     -   1.00000051  x   0.99994195  =   0.99994246
DF6327!UTM  14      -   1.00000051  x   0.99969416  =   0.99969467
DF6327
DF6327:                Primary Azimuth Mark                     Grid Az
DF6327:SPC TX S     -  25R A                                    339 06 51.2
DF6327:UTM  14      -  25R A                                    338 53 41.3
DF6327
DF6327|-----------------------------------------------------------------------|
DF6327| PID    Reference Object                     Distance      Geod. Az   |
DF6327|                                                           dddmmss.s |
DF6327| DF6317 25R A                              APPROX. 0.6 KM 3391705.6 |
DF6327|-----------------------------------------------------------------------|
DF6327
DF6327                          SUPERSEDED SURVEY CONTROL
DF6327
DF6327  NAD 83(1993)-  26 26 33.64311(N)    098 07 26.61679(W) AD(       ) 1
DF6327  ELLIP H (06/20/03)   -3.293  (m)                       GP(       ) 5 1
DF6327
DF6327.Superseded values are not recommended for survey control.
DF6327.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
DF6327.See file dsdata.txt to determine how the superseded data were derived.
DF6327
DF6327_U.S. NATIONAL GRID SPATIAL ADDRESS: 14RNQ8733225006(NAD 83)
DF6327_MARKER: DH = HORIZONTAL CONTROL DISK
DF6327_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
DF6327_STAMPING: 25R B 2003
DF6327_MARK LOGO: NGS
DF6327_PROJECTION: FLUSH
DF6327_MAGNETIC: N = NO MAGNETIC MATERIAL
DF6327_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
DF6327+STABILITY: SURFACE MOTION
DF6327_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
DF6327+SATELLITE: SATELLITE OBSERVATIONS - February 18, 2004
DF6327
DF6327  HISTORY     - Date     Condition        Report By
DF6327  HISTORY     - 20030303 MONUMENTED       NGS
DF6327  HISTORY     - 20040218 GOOD             NGS
DF6327
DF6327                          STATION DESCRIPTION
```

```
DF6327
DF6327'DESCRIBED BY NATIONAL GEODETIC SURVEY 2003 (RTN)
DF6327'IN HIDALGO COUNTY, ABOUT 10 MILES NORTH OF EDINBURG, ON THE EDINBURG
DF6327'INTERNATIONAL
DF6327'AIRPORT, NEAR THE CENTER OF THE AIRPORT, SOUTHEAST OF THE WINDSOCK.
DF6327'OWNERSHIP--EDINBURG AIRPORT, 400 EAST HARGILL ROAD (FM 490), PO BOX
DF6327'1079, EDINBURG, TX
DF6327'78540-1079.  PHONE-956-385-5661,  MOBLE--956-279-1900.
DF6327'
DF6327'
DF6327'TO REACH THE STATION FROM THE JUNCTION OF US HIGHWAY 281 OVERPASS WITH
DF6327'STATE HIGHWAY
DF6327'107 IN EDINBURG, GO 10.6 NORTH ALONG US HIGHWAY 281 TO HARGILL ROAD
DF6327'(FM 490) TURN RIGHT,
DF6327'EAST, GO 0.7 MILE EAST ON HARGILL TO THE AIRPORT ENTRANCE ROAD, TURN
DF6327'RIGHT, SOUTH, GO
DF6327'0.05 MILE SOUTH ON THE ENTRANCE ROAD TO A GRAVELED ROAD ON THE RIGHT,
DF6327'WEST, TURN AND
DF6327'GO 0.3 MILE WEST THEN SOUTHWEST GOING AROUND A HANGER AND THEN ALONG A
DF6327'TRACK ROAD
DF6327'BESIDE A TAXIWAY TO THE PAC STATION ON THE RIGHT INLINE WITH THE TAXI
DF6327'HOLD BARS. CONTINUE
DF6327'SOUTHWEST FOR 0.2 MILE AROUND THE END OF THE RUNWAY TO A TRACK ROAD,
DF6327'TURN
DF6327'LEFT,SOUTHEAST, GO 0.4 MILE TO THE SOUTHEAST SIDE OF THE WINDSOCK AND
DF6327'THE STATION
DF6327'BETWEEN TWO 4 X 8 CONCRETE CIRCLE SEGMENTS.
DF6327'
DF6327'
DF6327'THE STATION IS 14.6 M SOUTHEAST OF THE WINDSOCK, 1.3 M SOUTH OF THE
DF6327'SOUTH CORNER OF A
DF6327'CIRCLE SEGMENT, 1.0 M EAST OF A WITNESS POST AND A 4 X 8 CIRCLE
DF6327'SEGMENT, AND THE
DF6327'MONUMENT IS FLUSH WITH THE GROUND SURFACE.
DF6327'
DF6327'NOTE--THIS IS A SECONDARY AIRPORT CONTROL STATION, (SACS).
DF6327'
DF6327
DF6327                          STATION RECOVERY (2004)
DF6327
DF6327'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 2004 (DRL)
DF6327'RECOVERED AS DESCRIBED.
DF6327'

*** retrieval complete.
Elapsed Time = 00:00:00
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The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

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DATABASE =  ,PROGRAM = datasheet, VERSION = 7.85
1        National Geodetic Survey,   Retrieval Date = FEBRUARY  9, 2011
 AB1283 ***********************************************************************
 AB1283  DESIGNATION -  B 1408
 AB1283  PID         -  AB1283
 AB1283  STATE/COUNTY-  TX/WILLACY
 AB1283  USGS QUAD   -  YTURRIA (1982)
 AB1283
 AB1283                        *CURRENT SURVEY CONTROL
 AB1283  ___________________________________________________________________
 AB1283* NAD 83(1986)-  26 31 30.     (N)    097 46 37.     (W)     SCALED
 AB1283* NAVD 88     -        10.468  (meters)      34.34   (feet)  ADJUSTED
 AB1283  ___________________________________________________________________
 AB1283  GEOID HEIGHT-         -23.59  (meters)                    GEOID09
 AB1283  DYNAMIC HT  -          10.451 (meters)      34.29  (feet)  COMP
 AB1283  MODELED GRAV-     979,050.7   (mgal)                      NAVD 88
 AB1283
 AB1283  VERT ORDER  -  FIRST     CLASS II
 AB1283
 AB1283.The horizontal coordinates were scaled from a topographic map and have
 AB1283.an estimated accuracy of +/- 6 seconds.
 AB1283
 AB1283.The orthometric height was determined by differential leveling and
 AB1283.adjusted in June 1991.
 AB1283
 AB1283.The geoid height was determined by GEOID09.
 AB1283
 AB1283.The dynamic height is computed by dividing the NAVD 88
 AB1283.geopotential number by the normal gravity value computed on the
 AB1283.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AB1283.degrees latitude (g = 980.6199 gals.).
 AB1283
 AB1283.The modeled gravity was interpolated from observed gravity values.
 AB1283
 AB1283;                    North         East    Units  Estimated Accuracy
 AB1283;SPC TX S     - 5,095,300.      372,060.      MT  (+/- 180 meters Scaled)
 AB1283
 AB1283                         SUPERSEDED SURVEY CONTROL
 AB1283
 AB1283.No superseded survey control is available for this station.
 AB1283
 AB1283_U.S. NATIONAL GRID SPATIAL ADDRESS: 14RPQ218344(NAD 83)
 AB1283_MARKER: I = METAL ROD
 AB1283_SETTING: 49 = STAINLESS STEEL ROD W/O SLEEVE (10 FT.+)
 AB1283_SP_SET: STAINLESS STEEL ROD
 AB1283_STAMPING: B 1408 1981
 AB1283_MARK LOGO: NGS
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AB1283_PROJECTION: FLUSH
AB1283_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
AB1283_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AB1283+SATELLITE: SATELLITE OBSERVATIONS - February 04, 2004
AB1283_ROD/PIPE-DEPTH: 7.9  meters
AB1283
AB1283  HISTORY     - Date     Condition        Report By
AB1283  HISTORY     - 1981     MONUMENTED       NGS
AB1283  HISTORY     - 20040204 GOOD             USPSQD
AB1283
AB1283                          STATION DESCRIPTION
AB1283
AB1283'DESCRIBED BY NATIONAL GEODETIC SURVEY 1981
AB1283'4.8 KM (3.0 MI) NORTH FROM RAYMONDVILLE.
AB1283'4.8 KM (3.0 MI) NORTH ALONG BUSINESS U.S. HIGHWAY 77 FROM THE JUNCTION
AB1283'OF STATE HIGHWAY 186 IN RAYMONDVILLE AT A TELEPHONE POLE ON THE WEST
AB1283'SIDE OF THE HIGHWAY, 0.2 KM (0.1 MI) SOUTH OF A CROSSROAD, ABOUT
AB1283'91.4 METERS (300.0 FT) SOUTHWEST OF A TEXACO STATION AND COFFEE STOP.
AB1283'15.4 METERS (51.0 FT) WEST OF THE CENTER OF AN ASPHALT MEDIAN IN THE
AB1283'HIGHWAY, 1.3 METER (3.5 FT) SOUTH OF THE TELEPHONE POLE AND JUNCTION
AB1283'BOX ON THE EAST SIDE OF POLE, AND 14.9 METERS (49.0 FT) EAST OF THE
AB1283'EAST RAIL OF THE MISSOURI PACIFIC RAILROAD TRACKS.  NOTE, ROD WAS
AB1283'DRIVEN TO REFUSAL AT THIS DEPTH.
AB1283'THE MARK IS 0.15 METERS  N FROM A WITNESS POST.
AB1283'THE MARK IS 0.46 M BELOW HIGHWAY 77.
AB1283
AB1283                          STATION RECOVERY (2004)
AB1283
AB1283'RECOVERY NOTE BY US POWER SQUADRON 2004 (CTA)
AB1283'RECOVERED IN GOOD CONDITION.

*** retrieval complete.
Elapsed Time = 00:00:00
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The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

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DATABASE =  ,PROGRAM = datasheet, VERSION = 7.87
1        National Geodetic Survey,   Retrieval Date = JUNE  7, 2011
 AE0051 ***********************************************************************
 AE0051  DESIGNATION -  E 630 RESET
 AE0051  PID         -  AE0051
 AE0051  STATE/COUNTY-  TX/HIDALGO
 AE0051  USGS QUAD   -  LA REFORMA (1993)
 AE0051
 AE0051                        *CURRENT SURVEY CONTROL
 AE0051  ___________________________________________________________________
 AE0051* NAD 83(1986)-  26 39 03.     (N)    098 21 18.     (W)     SCALED
 AE0051* NAVD 88     -        67.77   (meters)     222.3    (feet)  RESET
 AE0051  ___________________________________________________________________
 AE0051  GEOID HEIGHT-         -24.45  (meters)                     GEOID09
 AE0051  VERT ORDER  -  THIRD
 AE0051
 AE0051.The horizontal coordinates were scaled from a topographic map and have
 AE0051.an estimated accuracy of +/- 6 seconds.
 AE0051
 AE0051.The orthometric height was computed from unverified reset data.
 AE0051
 AE0051.The geoid height was determined by GEOID09.
 AE0051
 AE0051;                    North         East    Units  Estimated Accuracy
 AE0051;SPC TX S     - 5,109,050.      314,440.      MT  (+/- 180 meters Scaled)
 AE0051
 AE0051                          SUPERSEDED SURVEY CONTROL
 AE0051
 AE0051.No superseded survey control is available for this station.
 AE0051
 AE0051_U.S. NATIONAL GRID SPATIAL ADDRESS: 14RNQ641479(NAD 83)
 AE0051_MARKER: DB = BENCH MARK DISK
 AE0051_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 AE0051_SP_SET: SET IN TOP OF CONCRETE MONUMENT
 AE0051_STAMPING: E 630 RESET 1951
 AE0051_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 AE0051+STABILITY: SURFACE MOTION
 AE0051_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 AE0051+SATELLITE: SATELLITE OBSERVATIONS - December 02, 2002
 AE0051
 AE0051  HISTORY     - Date     Condition        Report By
 AE0051  HISTORY     - 1951     MONUMENTED       CGS
 AE0051  HISTORY     - 19920702 MARK NOT FOUND   USPSQD
 AE0051  HISTORY     - 20021202 GOOD             INDIV
 AE0051
 AE0051                          STATION DESCRIPTION
 AE0051
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AE0051'DESCRIBED BY COAST AND GEODETIC SURVEY 1951
AE0051'0.5 MI W FROM PUERTO RICO.
AE0051'IN HIDALGO COUNTY 15.8 MILES WEST ALONG FARM ROAD 1017 FROM THE S.
AE0051'PACIFIC R.R. STATION AT LINN.  AT THE JUNCTION OF FARM ROAD 681.  ON
AE0051'THE WEST EDGE OF 1017 AND 1.0 FOOT SOUTH OF THE FENCE LINE.  18 FEET
AE0051'WEST OF THE HIGH TENSION POLES (ON RANGE) EXTENDING ALONG THE EAST
AE0051'SIDE OF ROAD 681.  A STANDARD DISK STAMPED E 630 RESET 1951 SET IN A
AE0051'CONCRETE POST 6 IN. SQUARE EXTENDING 1.2 FT. ABOVE GROUND.  NOTE--
AE0051'UPPER PART HAS BEEN CAPPED.  I TALKED WITH THE TEXAS STATE HIGHWAY
AE0051'ENGINEER WHO RESET THIS MARK AND HE TOLD ME THE MONUMENT HAD BEEN
AE0051'BROKEN OFF BUT HE HAD RESET IT TO WITHIN A THOUSANTH.  THIS ELEVATION
AE0051'SHOULD BE USED WITH CAUTION UNTIL CHECKED BY ONE OF OUR PARTIES.
AE0051
AE0051                          STATION RECOVERY (1992)
AE0051
AE0051'RECOVERY NOTE BY US POWER SQUADRON 1992
AE0051'MARK NOT FOUND.
AE0051
AE0051                          STATION RECOVERY (2002)
AE0051
AE0051'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2002 (JRP)
AE0051'RECOVERED IN GOOD CONDITION.

*** retrieval complete.
Elapsed Time = 00:00:01
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The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

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DATABASE =  ,PROGRAM = datasheet, VERSION = 7.87
1        National Geodetic Survey,   Retrieval Date = JUNE  7, 2011
 DK7573 ***********************************************************************
 DK7573  CORS         -  This is a GPS Continuously Operating Reference Station.
 DK7573  DESIGNATION -  KINGSVILLETX2006 CORS ARP
 DK7573  CORS_ID      -  KVTX
 DK7573  PID          -  DK7573
 DK7573  STATE/COUNTY-  TX/KLEBERG
 DK7573  USGS QUAD    -  KINGSVILLE WEST (1979)
 DK7573
 DK7573                        *CURRENT SURVEY CONTROL
 DK7573  ___________________________________________________________________
 DK7573* NAD 83(CORS)-  27 32 45.40708(N)    097 53 34.34552(W)     ADJUSTED
 DK7573* NAVD 88      -              **(meters)            **(feet)
 DK7573  ___________________________________________________________________
 DK7573  EPOCH DATE   -        2002.00
 DK7573  X            -    -777,124.110 (meters)                     COMP
 DK7573  Y            -  -5,605,552.742 (meters)                     COMP
 DK7573  Z            -   2,931,984.879 (meters)                     COMP
 DK7573  ELLIP HEIGHT-          -1.293 (meters)          (12/??/08) ADJUSTED
 DK7573  GEOID HEIGHT-         -26.21  (meters)                     GEOID09
 DK7573  HORZ ORDER   -  SPECIAL (CORS)
 DK7573  ELLP ORDER   -  SPECIAL (CORS)
 DK7573
 DK7573.ITRF positions are available for this station.
 DK7573.The coordinates were established by GPS observations
 DK7573.and adjusted by the National Geodetic Survey in December 2008.
 DK7573.The coordinates are valid at the epoch date displayed above.
 DK7573.The epoch date for horizontal control is a decimal equivalence
 DK7573.of Year/Month/Day.
 DK7573
 DK7573
 DK7573.The PID for the CORS L1 Phase Center is DK7574.
 DK7573
 DK7573.The XYZ, and position/ellipsoidal ht. are equivalent.
 DK7573
 DK7573.The ellipsoidal height was determined by GPS observations
 DK7573.and is referenced to NAD 83.
 DK7573
 DK7573.The geoid height was determined by GEOID09.
 DK7573
 DK7573;                    North         East     Units Scale Factor Converg.
 DK7573;SPC TX S     - 5,208,355.833   359,962.673   MT  0.99993985   +0 16 32.3
 DK7573;SPC TX S     -17,087,747.43  1,180,977.54   sFT  0.99993985   +0 16 32.3
 DK7573
 DK7573!             -  Elev Factor  x  Scale Factor =   Combined Factor
 DK7573!SPC TX S     -   1.00000020  x   0.99993985  =   0.99994005
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DK7573
DK7573                          SUPERSEDED SURVEY CONTROL
DK7573
DK7573.No superseded survey control is available for this station.
DK7573
DK7573_U.S. NATIONAL GRID SPATIAL ADDRESS: 14RPR0931247394(NAD 83)
DK7573_MARKER: STATION IS THE ANTENNA REFERENCE POINT OF THE GPS ANTENNA
DK7573
DK7573                          STATION DESCRIPTION
DK7573
DK7573'DESCRIBED BY NATIONAL GEODETIC SURVEY 2008
DK7573'STATION IS A GPS CORS.  LATEST INFORMATION INCLUDING POSITIONS AND
DK7573'VELOCITIES ARE AVAILABLE IN THE COORDINATE AND LOG FILES ACCESSIBLE
DK7573'BY ANONYMOUS FTP OR THE WORLDWIDE WEB.
DK7573'   FTP CORS.NGS.NOAA.GOV: CORS/COORD  AND  CORS/STATION_LOG
DK7573'   HTTP://WWW.NGS.NOAA.GOV/CORS.

*** retrieval complete.
Elapsed Time = 00:00:00
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The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

```
DATABASE =  ,PROGRAM = datasheet, VERSION = 7.85
1        National Geodetic Survey,   Retrieval Date = FEBRUARY  9, 2011
 AB1295 ***********************************************************************
 AB1295  DESIGNATION -  N 1408
 AB1295  PID         -  AB1295
 AB1295  STATE/COUNTY-  TX/CAMERON
 AB1295  USGS QUAD   -  SANTA ROSA (1982)
 AB1295
 AB1295                        *CURRENT SURVEY CONTROL
 AB1295  ___________________________________________________________________
 AB1295* NAD 83(1986)-  26 18 36.     (N)    097 46 24.     (W)     SCALED
 AB1295* NAVD 88     -        13.726  (meters)      45.03   (feet)  ADJUSTED
 AB1295  ___________________________________________________________________
 AB1295  GEOID HEIGHT-         -23.12  (meters)                     GEOID09
 AB1295  DYNAMIC HT  -          13.704 (meters)      44.96  (feet)  COMP
 AB1295  MODELED GRAV-     979,038.7   (mgal)                       NAVD 88
 AB1295
 AB1295  VERT ORDER  -  FIRST     CLASS II
 AB1295
 AB1295.The horizontal coordinates were scaled from a topographic map and have
 AB1295.an estimated accuracy of +/- 6 seconds.
 AB1295
 AB1295.The orthometric height was determined by differential leveling and
 AB1295.adjusted in June 1991.
 AB1295
 AB1295.The geoid height was determined by GEOID09.
 AB1295
 AB1295.The dynamic height is computed by dividing the NAVD 88
 AB1295.geopotential number by the normal gravity value computed on the
 AB1295.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AB1295.degrees latitude (g = 980.6199 gals.).
 AB1295
 AB1295.The modeled gravity was interpolated from observed gravity values.
 AB1295
 AB1295;                    North         East    Units  Estimated Accuracy
 AB1295;SPC TX S     - 5,071,490.      372,560.      MT  (+/- 180 meters Scaled)
 AB1295
 AB1295                         SUPERSEDED SURVEY CONTROL
 AB1295
 AB1295.No superseded survey control is available for this station.
 AB1295
 AB1295_U.S. NATIONAL GRID SPATIAL ADDRESS: 14RPQ224105(NAD 83)
 AB1295_MARKER: I = METAL ROD
 AB1295_SETTING: 49 = STAINLESS STEEL ROD W/O SLEEVE (10 FT.+)
 AB1295_SP_SET: STAINLESS STEEL ROD
 AB1295_STAMPING: N 1408 1981
 AB1295_MARK LOGO: NGS
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```
AB1295_PROJECTION: RECESSED 3 CENTIMETERS
AB1295_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
AB1295_SATELLITE: THE SITE LOCATION WAS REPORTED AS NOT SUITABLE FOR
AB1295+SATELLITE: SATELLITE OBSERVATIONS - June 04, 2001
AB1295_ROD/PIPE-DEPTH: 12.1 meters
AB1295
AB1295  HISTORY     - Date     Condition        Report By
AB1295  HISTORY     - 1981     MONUMENTED       NGS
AB1295  HISTORY     - 19910416 GOOD             USPSQD
AB1295  HISTORY     - 19930123 GOOD             USPSQD
AB1295  HISTORY     - 20010604 GOOD             JCLS
AB1295
AB1295                          STATION DESCRIPTION
AB1295
AB1295'DESCRIBED BY NATIONAL GEODETIC SURVEY 1981
AB1295'4.2 KM (2.60 MI) SSE FROM SEBASTIAN.
AB1295'2.5 KM (1.55 MI) SOUTH SOUTHEAST ALONG BUSINESS U.S. HIGHWAY 77 FROM
AB1295'THE SEBASTIAN POST OFFICE AND THE JUNCTION OF STATE HIGHWAY 506 SOUTH,
AB1295'THENCE 1.7 KM (1.05 MI) SOUTHEAST ALONG THE EAST FRONTAGE ROAD TO THE
AB1295'ENTRANCE TO THE BALLENGER FARMS LEADING EAST.  13.4 METERS (44.0 FT)
AB1295'EAST NORTHEAST OF THE CENTER OF THE FRONTAGE ROAD, 7.9 METERS
AB1295'(26.0 FT) NORTH NORTHWEST OF THE CENTER OF THE FARM ENTRANCE,
AB1295'3.9 METERS (13.0 FT) NORTH NORTHWEST OF THE SOUTH END OF A CHAIN LINK
AB1295'FENCE NORTH OF THE DRIVEWAY, AND 0.3 METER (1.0 FT) WEST SOUTHWEST OF
AB1295'THE CHAIN LINK FENCE.
AB1295'THE MARK IS 0.4 METERS  S FROM A WITNESS POST.
AB1295'THE MARK IS ABOVE LEVEL WITH FRONTAGE ROAD.
AB1295
AB1295                          STATION RECOVERY (1991)
AB1295
AB1295'RECOVERY NOTE BY US POWER SQUADRON 1991 (GES)
AB1295'RECOVERED IN GOOD CONDITION.
AB1295
AB1295                          STATION RECOVERY (1993)
AB1295
AB1295'RECOVERY NOTE BY US POWER SQUADRON 1993 (GES)
AB1295'RECOVERED IN GOOD CONDITION.
AB1295
AB1295                          STATION RECOVERY (2001)
AB1295
AB1295'RECOVERY NOTE BY JOHN CHANCE LAND SURVEYS INC 2001 (CLG)
AB1295'RECOVERED IN GOOD CONDITION.

*** retrieval complete.
Elapsed Time = 00:00:00
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The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

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DATABASE =  ,PROGRAM = datasheet, VERSION = 7.87
1        National Geodetic Survey,   Retrieval Date = JUNE  7, 2011
 AE0069 ***********************************************************************
 AE0069  DESIGNATION -  R 630 RESET
 AE0069  PID         -  AE0069
 AE0069  STATE/COUNTY-  TX/HIDALGO
 AE0069  USGS QUAD   -  LINN SIDING (1982)
 AE0069
 AE0069                        *CURRENT SURVEY CONTROL
 AE0069  ___________________________________________________________________
 AE0069* NAD 83(1986)-  26 35 40.     (N)    098 12 38.     (W)     SCALED
 AE0069* NAVD 88     -        32.10   (meters)     105.3    (feet)  RESET
 AE0069  ___________________________________________________________________
 AE0069  GEOID HEIGHT-         -24.30  (meters)                     GEOID09
 AE0069  VERT ORDER  -  THIRD
 AE0069
 AE0069.The horizontal coordinates were scaled from a topographic map and have
 AE0069.an estimated accuracy of +/- 6 seconds.
 AE0069
 AE0069.The orthometric height was computed from unverified reset data.
 AE0069
 AE0069.The geoid height was determined by GEOID09.
 AE0069
 AE0069;                    North         East    Units  Estimated Accuracy
 AE0069;SPC TX S     - 5,102,820.      328,830.      MT  (+/- 180 meters Scaled)
 AE0069
 AE0069                          SUPERSEDED SURVEY CONTROL
 AE0069
 AE0069.No superseded survey control is available for this station.
 AE0069
 AE0069_U.S. NATIONAL GRID SPATIAL ADDRESS: 14RNQ786417(NAD 83)
 AE0069_MARKER: DD = SURVEY DISK
 AE0069_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 AE0069_SP_SET: CONCRETE POST
 AE0069_STAMPING: R 630 RESET 1951
 AE0069_MARK LOGO: TXHD
 AE0069_MAGNETIC: N = NO MAGNETIC MATERIAL
 AE0069_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 AE0069+STABILITY: SURFACE MOTION
 AE0069
 AE0069  HISTORY     - Date     Condition        Report By
 AE0069  HISTORY     - 1951     MONUMENTED       TXHD
 AE0069  HISTORY     - 19920702 GOOD             USPSQD
 AE0069
 AE0069                          STATION DESCRIPTION
 AE0069
 AE0069'DESCRIBED BY TEXAS HIGHWAY DEPARTMENT 1951
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AE0069'5.0 MI W FROM LINN.
AE0069'5.0 MILES WEST ALONG FARM ROAD 1017 FROM THE S PACIFIC R.R. STATION AT
AE0069'LINN AND 0.5 MILES WEST OF A GATE LEADING TO TIJERINA RANCH.  38 FEET
AE0069'NORTH OF THE CENTERLINE OF THE ROAD.  1.0 SOUTH OF THE FENCE LINE. A
AE0069'STANDARD DISK SET IN A CONCRETE POST 0.6 FOOT SQUARE EXTENDING 0.4
AE0069'FOOT ABOVE GROUND.  THERE IS A WITNESS POST 2.5 FEET EAST OF THE MARK.
AE0069
AE0069                          STATION RECOVERY (1992)
AE0069
AE0069'RECOVERY NOTE BY US POWER SQUADRON 1992
AE0069'RECOVERED IN GOOD CONDITION.  NOTE--SHOULD READ 6.3 MILES (10.1 KM)
AE0069'WEST ALONG FARM ROAD 1017.

*** retrieval complete.
Elapsed Time = 00:00:00
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The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

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DATABASE =  ,PROGRAM = datasheet, VERSION = 7.87
1        National Geodetic Survey,   Retrieval Date = JUNE  7, 2011
 DF4381 ***********************************************************************
 DF4381  CORS         -  This is a GPS Continuously Operating Reference Station.
 DF4381  DESIGNATION -  LAREDO RRP2 CORS ARP
 DF4381  CORS_ID      -  TXLR
 DF4381  PID          -  DF4381
 DF4381  STATE/COUNTY-  TX/WEBB
 DF4381  USGS QUAD    -  LAREDO EAST (1980)
 DF4381
 DF4381                        *CURRENT SURVEY CONTROL
 DF4381  ______________________________________________________________________
 DF4381* NAD 83(CORS)-  27 30 49.91332(N)    099 26 52.50981(W)     ADJUSTED
 DF4381* NAVD 88      -              **(meters)            **(feet)
 DF4381  ______________________________________________________________________
 DF4381  EPOCH DATE   -        2002.00
 DF4381  X            -    -929,244.312 (meters)                     COMP
 DF4381  Y            -  -5,584,121.769 (meters)                     COMP
 DF4381  Z            -   2,928,886.074 (meters)                     COMP
 DF4381  ELLIP HEIGHT-         114.910 (meters)          (03/??/03) ADJUSTED
 DF4381  GEOID HEIGHT-         -24.05  (meters)                     GEOID09
 DF4381  HORZ ORDER   -  SPECIAL (CORS)
 DF4381  ELLP ORDER   -  SPECIAL (CORS)
 DF4381
 DF4381.ITRF positions are available for this station.
 DF4381.The coordinates were established by GPS observations
 DF4381.and adjusted by the National Geodetic Survey in March 2003.
 DF4381.The coordinates are valid at the epoch date displayed above.
 DF4381.The epoch date for horizontal control is a decimal equivalence
 DF4381.of Year/Month/Day.
 DF4381
 DF4381
 DF4381.The PID for the CORS L1 Phase Center is DF4382.
 DF4381
 DF4381.The XYZ, and position/ellipsoidal ht. are equivalent.
 DF4381
 DF4381.The ellipsoidal height was determined by GPS observations
 DF4381.and is referenced to NAD 83.
 DF4381
 DF4381.The geoid height was determined by GEOID09.
 DF4381
 DF4381;                    North         East     Units Scale Factor Converg.
 DF4381;SPC TX S      - 5,205,008.502   206,352.795   MT  0.99993469   -0 25 49.3
 DF4381;SPC TX S      -17,076,765.39    677,009.13   sFT  0.99993469   -0 25 49.3
 DF4381
 DF4381!              -  Elev Factor  x  Scale Factor =   Combined Factor
 DF4381!SPC TX S      -   0.99998195  x   0.99993469  =   0.99991664
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```
DF4381
DF4381                          SUPERSEDED SURVEY CONTROL
DF4381
DF4381.No superseded survey control is available for this station.
DF4381
DF4381_U.S. NATIONAL GRID SPATIAL ADDRESS: 14RMR5576343432(NAD 83)
DF4381_MARKER: STATION IS THE ANTENNA REFERENCE POINT OF THE GPS ANTENNA
DF4381
DF4381                          STATION DESCRIPTION
DF4381
DF4381'DESCRIBED BY NATIONAL GEODETIC SURVEY 2003
DF4381'STATION IS A GPS CORS.  LATEST INFORMATION INCLUDING POSITIONS AND
DF4381'VELOCITIES ARE AVAILABLE IN THE COORDINATE AND LOG FILES ACCESSIBLE
DF4381'BY ANONYMOUS FTP OR THE WORLDWIDE WEB.
DF4381'   FTP CORS.NGS.NOAA.GOV: CORS/COORD  AND  CORS/STATION_LOG
DF4381'   HTTP://WWW.NGS.NOAA.GOV/CORS.

*** retrieval complete.
Elapsed Time = 00:00:00
```

The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

```
DATABASE =  ,PROGRAM = datasheet, VERSION = 7.87
1        National Geodetic Survey,   Retrieval Date = JUNE  7, 2011
 DF4383 ***********************************************************************
 DF4383  CORS         -  This is a GPS Continuously Operating Reference Station.
 DF4383  DESIGNATION -  PHARR RRP2 CORS ARP
 DF4383  CORS_ID      -  TXPR
 DF4383  PID          -  DF4383
 DF4383  STATE/COUNTY-  TX/HIDALGO
 DF4383  USGS QUAD    -  PHARR (1983)
 DF4383
 DF4383                        *CURRENT SURVEY CONTROL
 DF4383  ___________________________________________________________________
 DF4383* NAD 83(CORS)-  26 12 30.52901(N)    098 11 21.29396(W)     ADJUSTED
 DF4383* NAVD 88      -              **(meters)            **(feet)
 DF4383  ___________________________________________________________________
 DF4383  EPOCH DATE   -        2002.00
 DF4383  X            -    -815,654.589 (meters)                    COMP
 DF4383  Y            -  -5,667,784.459 (meters)                    COMP
 DF4383  Z            -   2,799,810.649 (meters)                    COMP
 DF4383  ELLIP HEIGHT-          16.582 (meters)          (03/??/03) ADJUSTED
 DF4383  GEOID HEIGHT-         -23.80  (meters)                    GEOID09
 DF4383  HORZ ORDER   -  SPECIAL (CORS)
 DF4383  ELLP ORDER   -  SPECIAL (CORS)
 DF4383
 DF4383.ITRF positions are available for this station.
 DF4383.The coordinates were established by GPS observations
 DF4383.and adjusted by the National Geodetic Survey in March 2003.
 DF4383.The coordinates are valid at the epoch date displayed above.
 DF4383.The epoch date for horizontal control is a decimal equivalence
 DF4383.of Year/Month/Day.
 DF4383
 DF4383
 DF4383.The PID for the CORS L1 Phase Center is DF4384.
 DF4383
 DF4383.The XYZ, and position/ellipsoidal ht. are equivalent.
 DF4383
 DF4383.The ellipsoidal height was determined by GPS observations
 DF4383.and is referenced to NAD 83.
 DF4383
 DF4383.The geoid height was determined by GEOID09.
 DF4383
 DF4383;                    North         East     Units Scale Factor Converg.
 DF4383;SPC TX S      - 5,060,068.322   331,056.277   MT  0.99998973   +0 08 27.9
 DF4383;SPC TX S      -16,601,240.82  1,086,140.47   sFT  0.99998973   +0 08 27.9
 DF4383
 DF4383!              -  Elev Factor  x  Scale Factor =   Combined Factor
 DF4383!SPC TX S      -   0.99999739  x   0.99998973  =   0.99998712
```

```
DF4383
DF4383                          SUPERSEDED SURVEY CONTROL
DF4383
DF4383  ELLIP H (03/??/03)   16.582  (m)                      GP(2002.00) c c
DF4383
DF4383.Superseded values are not recommended for survey control.
DF4383.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
DF4383.See file dsdata.txt to determine how the superseded data were derived.
DF4383
DF4383_U.S. NATIONAL GRID SPATIAL ADDRESS: 14RNP8099699025(NAD 83)
DF4383_MARKER: STATION IS THE ANTENNA REFERENCE POINT OF THE GPS ANTENNA
DF4383
DF4383                          STATION DESCRIPTION
DF4383
DF4383'DESCRIBED BY NATIONAL GEODETIC SURVEY 2003
DF4383'STATION IS A GPS CORS.  LATEST INFORMATION INCLUDING POSITIONS AND
DF4383'VELOCITIES ARE AVAILABLE IN THE COORDINATE AND LOG FILES ACCESSIBLE
DF4383'BY ANONYMOUS FTP OR THE WORLDWIDE WEB.
DF4383'   FTP CORS.NGS.NOAA.GOV: CORS/COORD  AND  CORS/STATION_LOG
DF4383'   HTTP://WWW.NGS.NOAA.GOV/CORS.

*** retrieval complete.
Elapsed Time = 00:00:01
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The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

```
DATABASE =  ,PROGRAM = datasheet, VERSION = 7.87
1        National Geodetic Survey,   Retrieval Date = JUNE  7, 2011
 AE0074 ***********************************************************************
 AE0074  DESIGNATION -  U 630 RESET
 AE0074  PID         -  AE0074
 AE0074  STATE/COUNTY-  TX/HIDALGO
 AE0074  USGS QUAD   -  LINN SIDING (1982)
 AE0074
 AE0074                        *CURRENT SURVEY CONTROL
 AE0074  ___________________________________________________________________
 AE0074* NAD 83(1986)-  26 34 37.     (N)    098 10 15.     (W)     SCALED
 AE0074* NAVD 88     -        27.17   (meters)      89.1    (feet)  RESET
 AE0074  ___________________________________________________________________
 AE0074  GEOID HEIGHT-         -24.23  (meters)                     GEOID09
 AE0074  VERT ORDER  -  THIRD
 AE0074
 AE0074.The horizontal coordinates were scaled from a topographic map and have
 AE0074.an estimated accuracy of +/- 6 seconds.
 AE0074
 AE0074.The orthometric height was computed from unverified reset data.
 AE0074
 AE0074.The geoid height was determined by GEOID09.
 AE0074
 AE0074;                    North         East    Units  Estimated Accuracy
 AE0074;SPC TX S     - 5,100,900.      332,790.      MT  (+/- 180 meters Scaled)
 AE0074
 AE0074                          SUPERSEDED SURVEY CONTROL
 AE0074
 AE0074.No superseded survey control is available for this station.
 AE0074
 AE0074_U.S. NATIONAL GRID SPATIAL ADDRESS: 14RNQ825398(NAD 83)
 AE0074_MARKER: DD = SURVEY DISK
 AE0074_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 AE0074_SP_SET: SET IN TOP OF CONCRETE MONUMENT
 AE0074_STAMPING: U 630 RESET 1951
 AE0074_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 AE0074+STABILITY: SURFACE MOTION
 AE0074_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 AE0074+SATELLITE: SATELLITE OBSERVATIONS - March 13, 2011
 AE0074
 AE0074  HISTORY     - Date     Condition        Report By
 AE0074  HISTORY     - 1951     MONUMENTED       TXHD
 AE0074  HISTORY     - 19920702 MARK NOT FOUND   USPSQD
 AE0074  HISTORY     - 20031001 GOOD             INDIV
 AE0074  HISTORY     - 20110313 GOOD             INDIV
 AE0074
 AE0074                          STATION DESCRIPTION
```

```
AE0074
AE0074'DESCRIBED BY TEXAS HIGHWAY DEPARTMENT 1951
AE0074'2.1 MI W FROM LINN.
AE0074'2.1 MILES WEST ALONG FARM ROAD 1017 FROM THE S. PACIFIC R.R. STATION
AE0074'AT LINN 38 FEET NORTH OF THE CENTERLINE OF THE ROAD AND 4.5 FEET SOUTH
AE0074'OF THE FENCE LINE.  A CONCRETE POST 0.6 FEET SQUARE EXTENDING 0.7 FOOT
AE0074'ABOVE GROUND.  THERE IS A WITNESS POST 3 FT. FROM THE STATION. THIS
AE0074'MARK WAS RESET BY THE TEXAS HIGHWAY DEPARTMENT.
AE0074
AE0074                          STATION RECOVERY (1992)
AE0074
AE0074'RECOVERY NOTE BY US POWER SQUADRON 1992
AE0074'MARK NOT FOUND.
AE0074
AE0074                          STATION RECOVERY (2003)
AE0074
AE0074'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2003 (CDW)
AE0074'RECOVERED AS DESCRIBED
AE0074
AE0074                          STATION RECOVERY (2011)
AE0074
AE0074'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2011 (JTH)
AE0074'FROM THE INTERSECTION OF HWY 281S AND F.M.1017 IN LINN GO  WEST ON FM
AE0074'1017 FOR 3.4 MILES TO THE STATION ON THE RIGHT. THE STATION IS 0.7
AE0074'FOOT ABOVE THE GROUND, 1.5 FT SOUTH OF A FENCE AND 4 FT WEST OF A
AE0074'POWER POLE

*** retrieval complete.
Elapsed Time = 00:00:00
```

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO BASO 2

PROJECT	1101205	SITE NUMBER	1
OPERATOR	WJN	SITE NAME	101
DATE	1/25/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 10:22

STOP 16:06

SENSOR TYPE 500 9500 399 299

MEMORY CARD 67

BATTERY NO.

CONTROLLER NO. 282670

SENSOR NO. 60403

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

OBSTRUCTIONS: TALL FENCE NE, NW

HEIGHT READINGS

MTS	FT
1.200	
1.641	

STATION DESCRIPTIONS Set Rebar AND PLASTIC CAP 3.8' S. OF FENCE 21' S. OF N. EDGE PVMNT 25' W. OF FENCE COR.

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
16:22	2.0	8/7-9
22:06	2.1	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

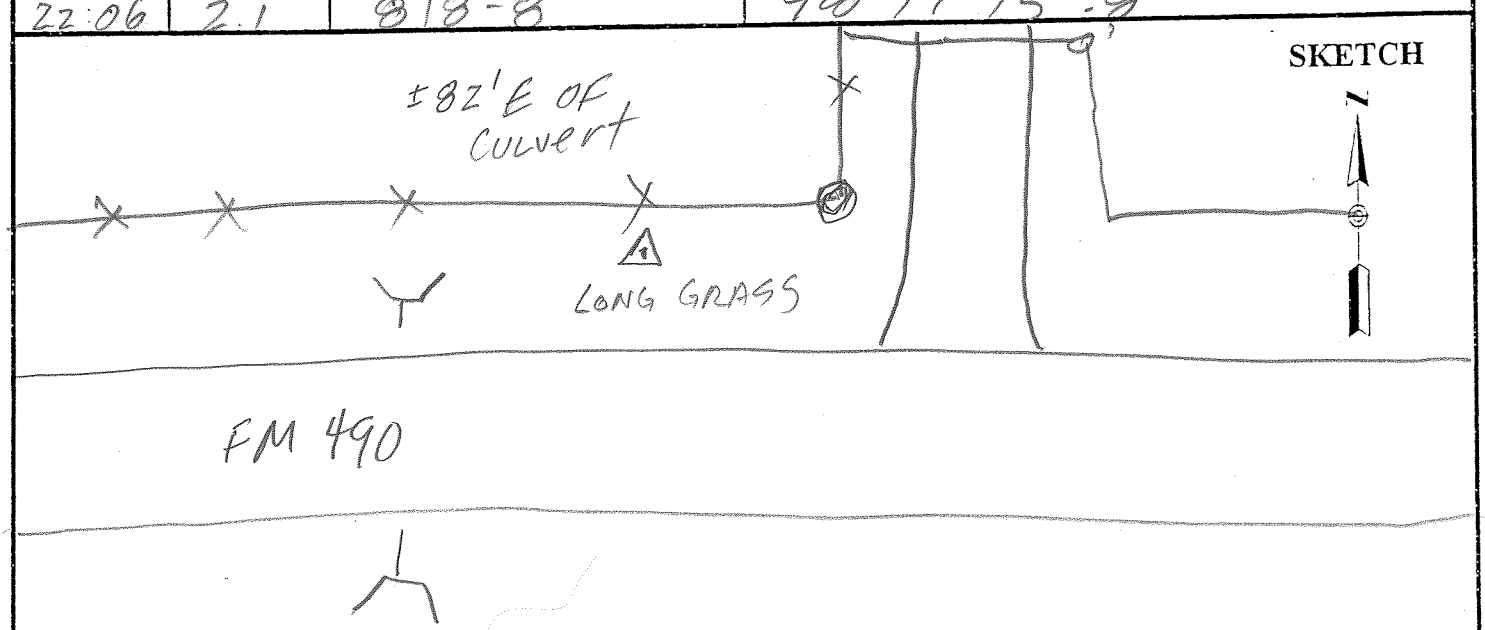
WINDY SKC

Approx

26 28 26.5

96 17 15.8

SKETCH



16 6

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

1

BASE

PROJECT	1101205	SITE NUMBER	1
OPERATOR	WJN	SITE NAME	102
DATE	11/25/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 10:50

STOP 15:50

SENSOR TYPE 500 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

OBSTRUCTIONS: NO

HEIGHT READINGS

MTS	FT
1.273	

1-633

STATION DESCRIPTIONS Set + R/B AND CAP

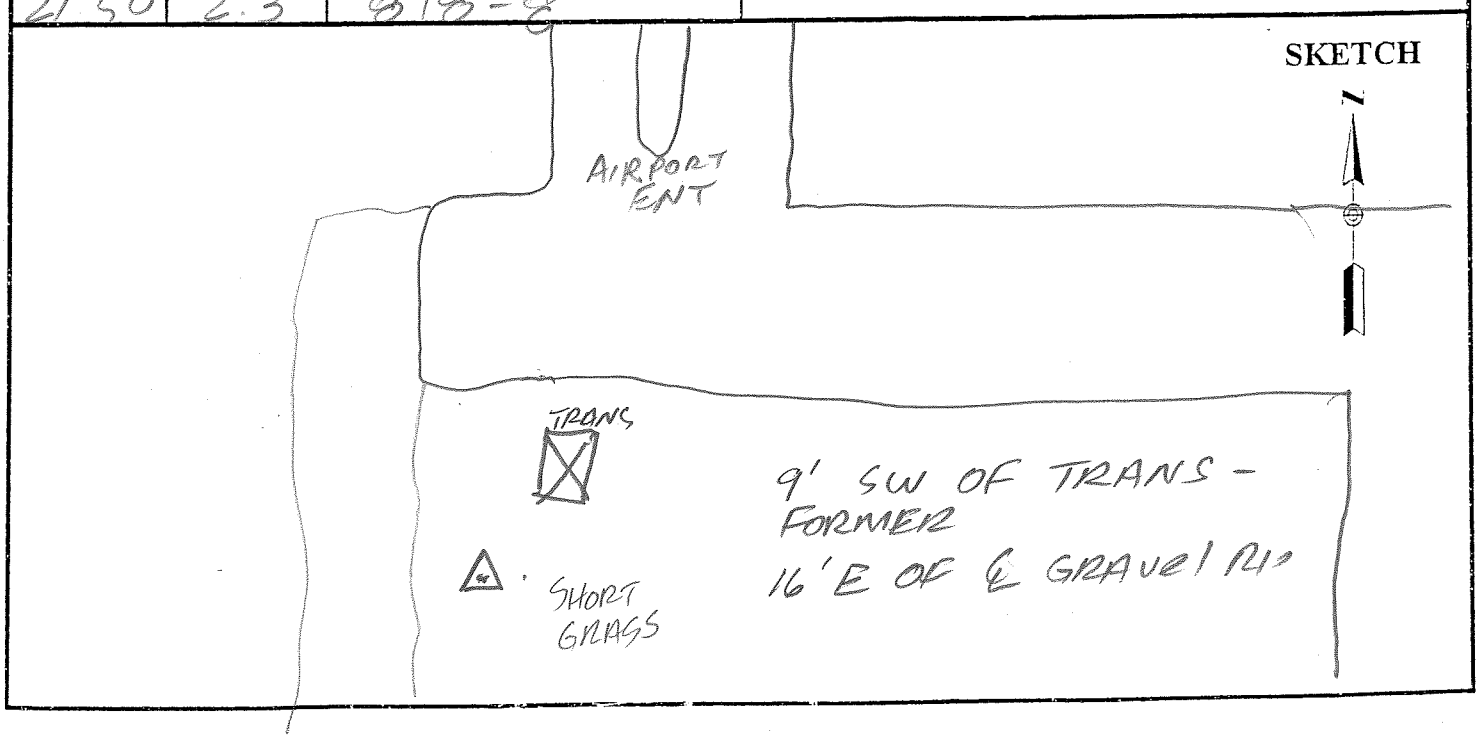
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
16:50	2.1	9/9-9
21:50	2.3	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

WINDY SKC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

Vert Control

PROJECT	1101205	SITE NUMBER	1
OPERATOR	WJN	SITE NAME	U 630 RESET
DATE	1/25/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 12:22

STOP 12:54

SENSOR TYPE 500 9500 399 299

MEMORY CARD 601

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

OBSTRUCTIONS: FENCE NW, NE

HEIGHT READINGS

MTS	FT
1.030	

1.390

STATION DESCRIPTIONS Fd BRONZE DISK IN CONC POST 0.5' AG MKD "U 630 RESET 1951" CARSONITE 1

SATELLITE OBSERVATIONS

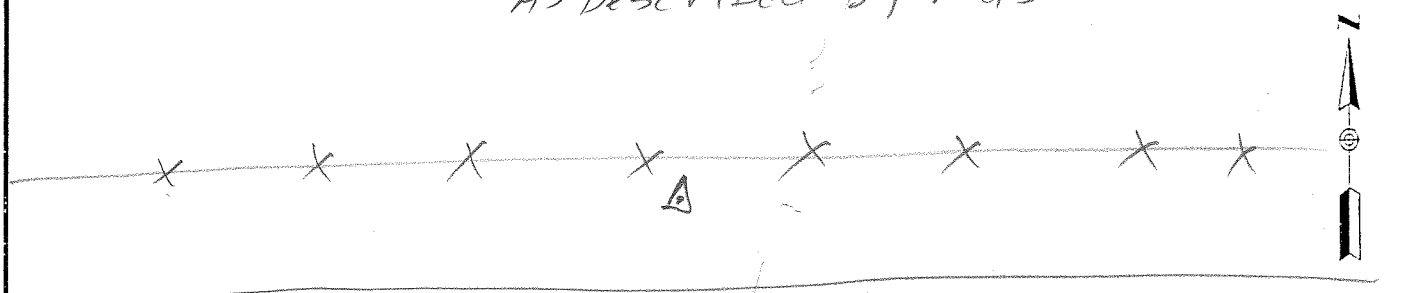
TIME	GDOP	SATELLITES
18:22	2.8	7/7-7
18:54	2.2	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

WINDY, SKC

SKETCH

As Described by NGS



FM 1017

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

SHORT GRASS FUTURE BASE

PROJECT	1101205	SITE NUMBER	2
OPERATOR	WWN	SITE NAME	103
DATE	1/25/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 13:14

STOP 13:49

SENSOR TYPE (500) 9500 399 299

MEMORY CARD 601

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	(0.360)

OBSTRUCTIONS: NO

HEIGHT READINGS

MTS	FT
1.197	

1.557

STATION DESCRIPTIONS Set Rebar AND PLASTIC CAP 3' N. OF S. R/W FENCE ±140' W. OF EXT. ℄ RD NNE.

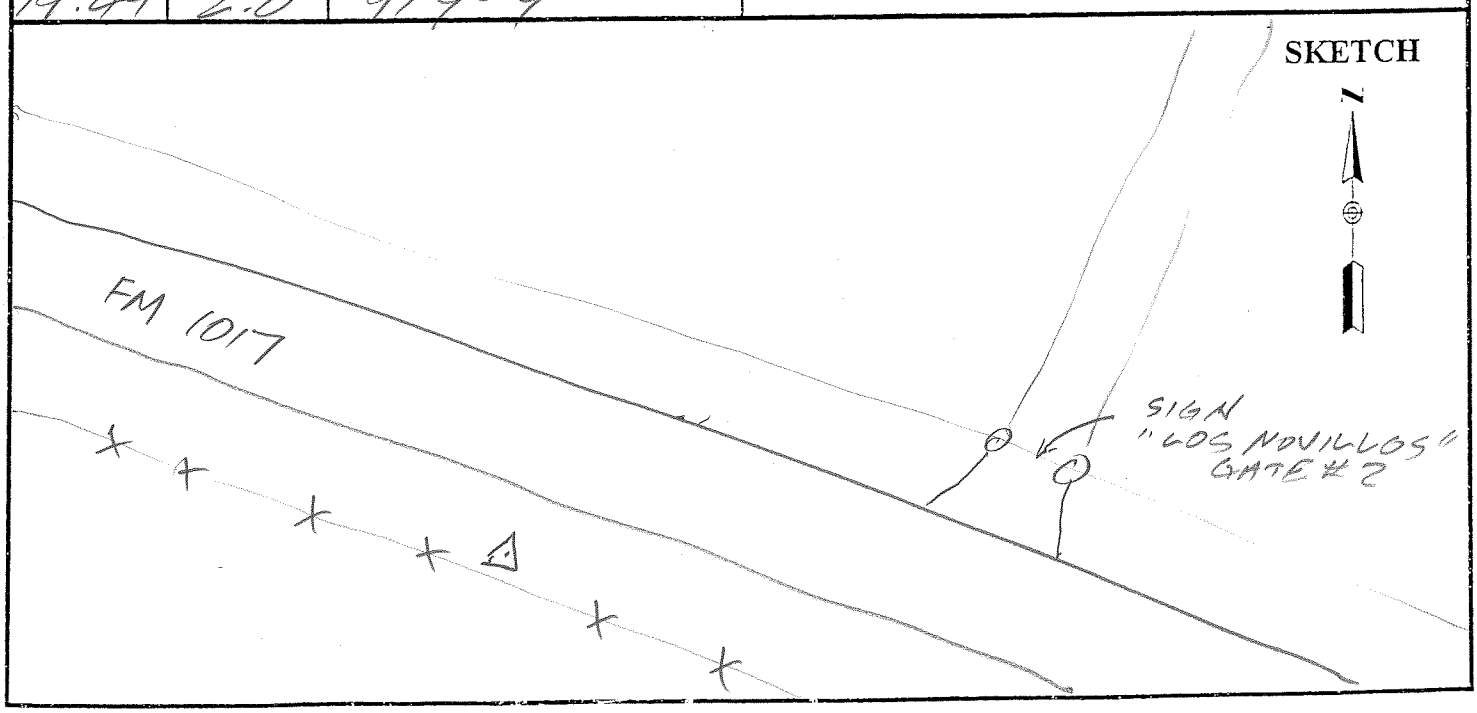
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
19:14	2.1	8/8-8
19:49	2.0	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKC, WINDY

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

H+V CONTROL

PROJECT	1101205	SITE NUMBER	1
OPERATOR	WJN	SITE NAME	25R B
DATE	1/25/11		

TRACKING TIMES (LOCAL) MEASURE CGT

START 15:16

STOP 15:39

SENSOR TYPE 500 9500 399 299

MEMORY CARD 601

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

OBSTRUCTIONS: WIND SOCK NW

HEIGHT READINGS

MTS	FT
1.202	
1.562	

STATION DESCRIPTIONS FOUND BRONZE DISK IN CONC MONUMENT "25R B 2003" NGS (SAC)

SATELLITE OBSERVATIONS

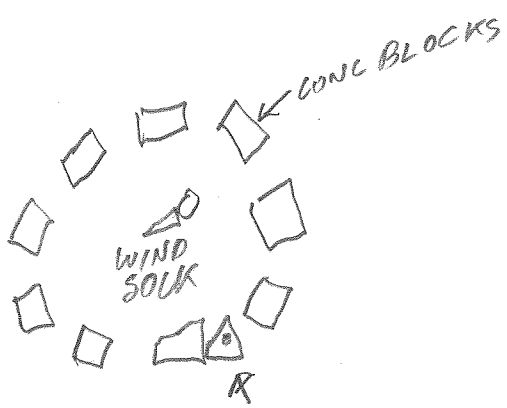
TIME	GDOP	SATELLITES
21:16	2.1	9/9-9
21:39	1.9	10/10-16

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKC

AS DESCRIBED BY NGS

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

BASE

PROJECT 1101205
OPERATOR WJN
DATE 1/26/11

SITE NUMBER 1
SITE NAME 101

TRACKING TIMES (LOCAL) MEASURE CST
START 10:54
STOP 17:~~48~~01

SENSOR TYPE 500 9500 399 299
MEMORY CARD 67
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: Fence NE, NW

HEIGHT READINGS MTS FT
1.192

1.632

STATION DESCRIPTIONS Rebar and CAP Set 1/25/11

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
16:54	2.7	7/7-7
23:~~48~~ 01	2.0	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC

SKETCH

as before described

N

2.7504

17 6

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

BASE

PROJECT	1101205	SITE NUMBER	1
OPERATOR	CWN	SITE NAME	102
DATE	1/26/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 11:25

STOP 17:18

SENSOR TYPE 500 9500 399 299

MEMORY CARD 1

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT		
	299/399	0.441
	399E/9500	0.389
	500	0.360

HEIGHT READINGS	MTS	FT
	1.267	

OBSTRUCTIONS: NO

STATION DESCRIPTIONS Rebar and Cap Set 1/25/11

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
17:25	2.1	8/8-8
23:18	2.0	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC

As Described

SKETCH

N

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

Vert. Control

PROJECT	1101205	SITE NUMBER	1
OPERATOR	WW	SITE NAME	E 630 RESET
DATE			

TRACKING TIMES (LOCAL) MEASURE CST

START 13:39

STOP 14:21

SENSOR TYPE 500 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

OBSTRUCTIONS: LAMP POST SE

HEIGHT READINGS

MTS	FT
1.057	

1.417

STATION DESCRIPTIONS BRONZE DISK ON CONC POST MKD:

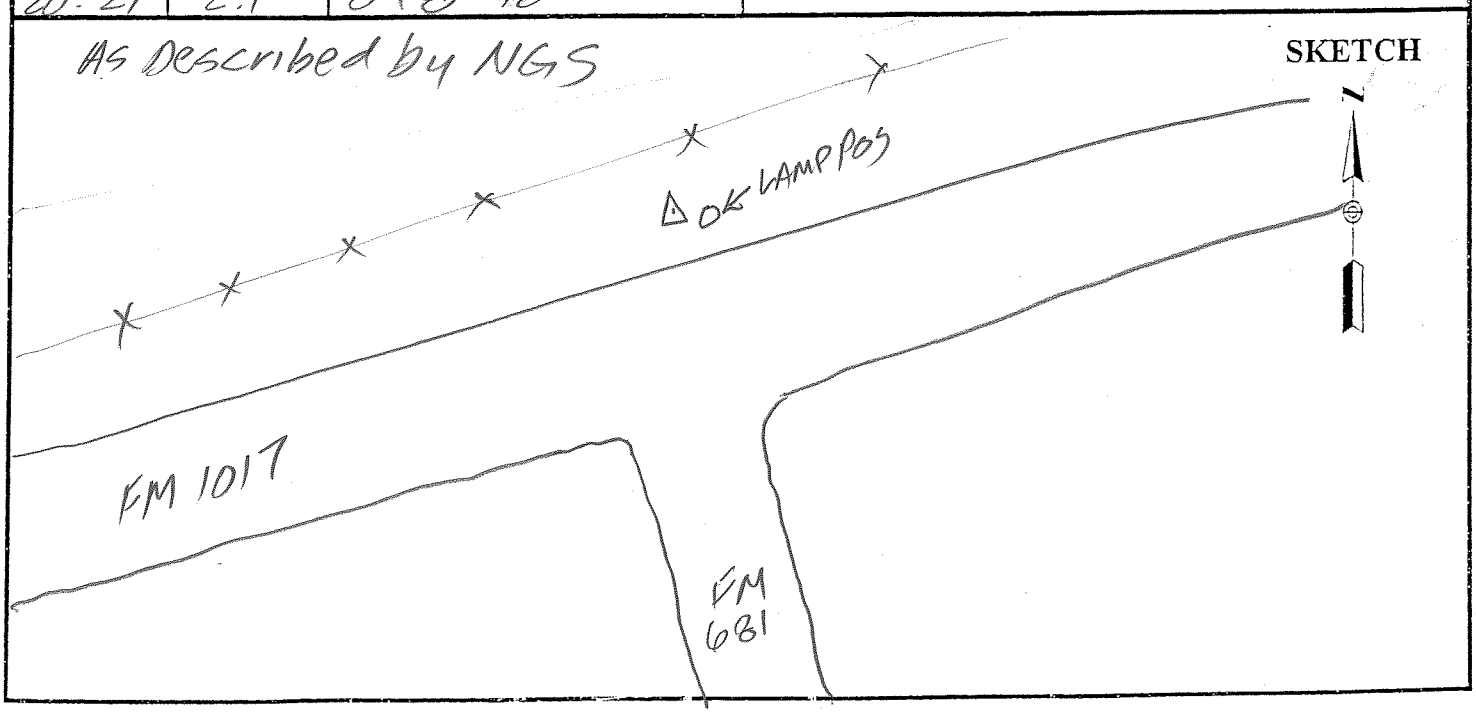
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
19:39	2.3	8/8-9
20:21	2.1	8/8-10

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

PC, CLEARING

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

Vert Control

PROJECT 1101205
OPERATOR WJN
DATE 1/26/11

SITE NUMBER 2
SITE NAME R 630 RESET

TRACKING TIMES (LOCAL) MEASURE CST
START 14:44
STOP 15:12

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 (0.360)

OBSTRUCTIONS: NO

HEIGHT READINGS MTS FT
0.891

1-25/

STATION DESCRIPTIONS BRONZE DISK IN CONC POST MKd R 630 RESET 1951

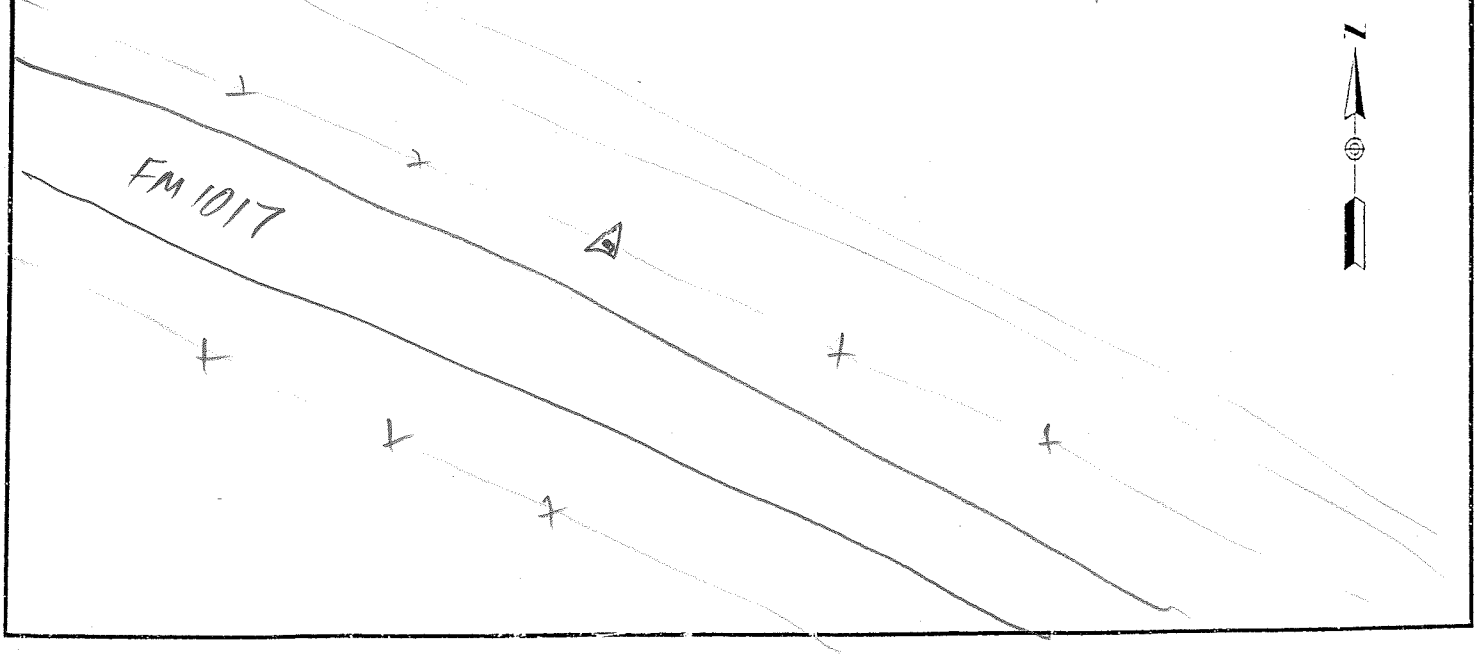
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
20:44	2.3	10/10-10
21:12	2.1	10/10-10

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
PC

AS DESCRIBED BY NGS.

SKETCH



5

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT 1101205
OPERATOR WJN
DATE 11/26/11

SITE NUMBER 3
SITE NAME 1

TRACKING TIMES (LOCAL) MEASURE CST

START 15:22
STOP 15:45

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: NO

HEIGHT READINGS MTS FT
1.370
1.720

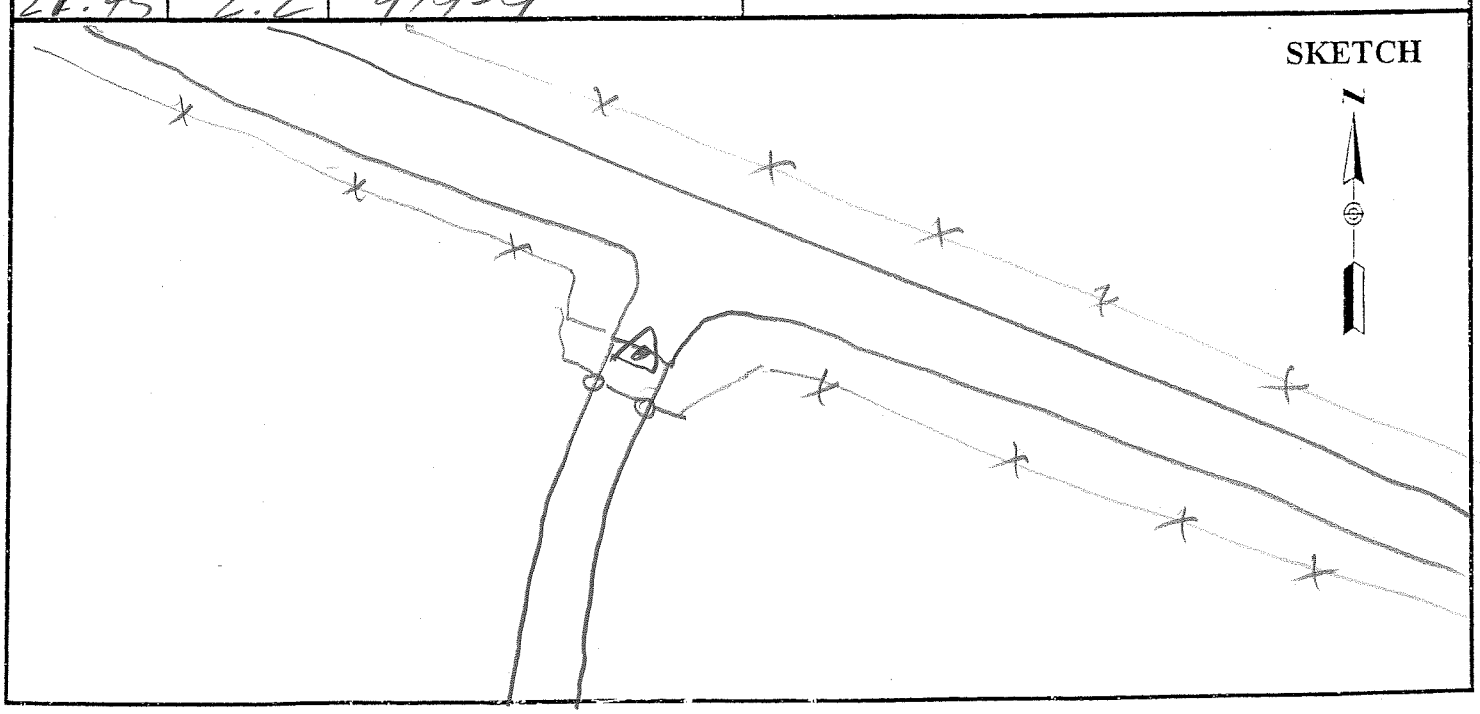
STATION DESCRIPTIONS ℄ ACCESS RD @ END OF PVMNT

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
21.22	2.8	9/9-9
21:45	2.2	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
PC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

1

PROJECT 1101205
OPERATOR WWN
DATE 11/26/11

SITE NUMBER 4
SITE NAME 2

TRACKING TIMES (LOCAL) MEASURE CST
START 15:53
STOP 16:15

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 (0.360)

OBSTRUCTIONS: TREES SE, NW

HEIGHT READINGS MTS FT
1.331
1.691

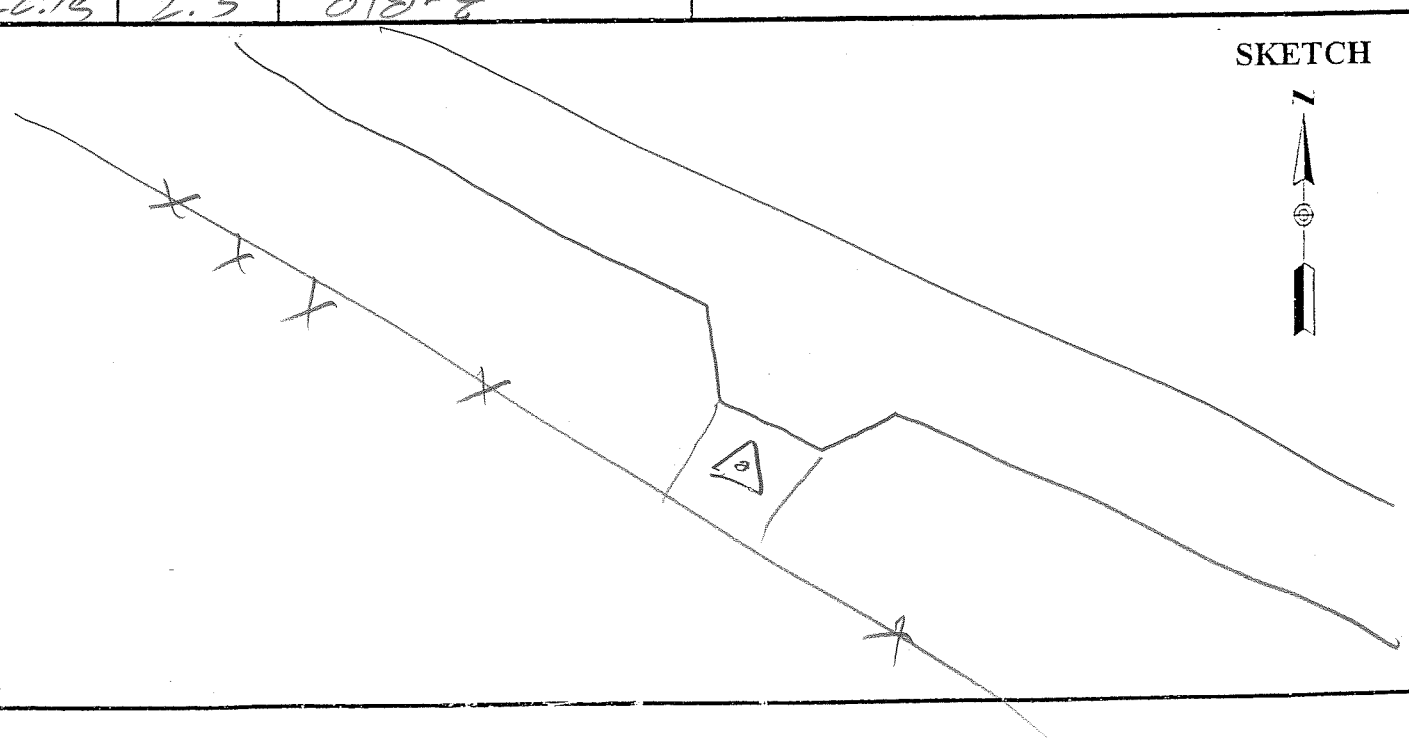
STATION DESCRIPTIONS POINT IN SHORT GRASS IN CENTER OF ENTRANCE

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
22:53	2.3	8/8-8
22:15	2.3	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKETCH



2

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT 1101205
OPERATOR WWN
DATE 1/26/11

SITE NUMBER 5
SITE NAME 3

TRACKING TIMES (LOCAL) MEASURE CST

START 16:23
STOP 16:43

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	(0.360)

OBSTRUCTIONS: NO

HEIGHT READINGS

MTS	FT
1.275	
1.635	

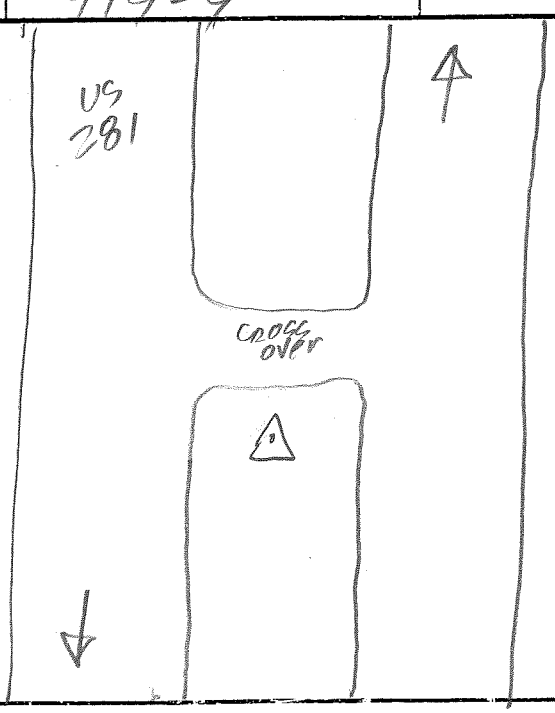
STATION DESCRIPTIONS POINT IN LONG GRASS IN ℄ MEDIAN ±25' SOUTH OF S. EDGE PVMMT OF CROSSOVER

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
22:23	2.3	8/8-8
22:43	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
SKC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

BASE

PROJECT 1101205
OPERATOR WJN
DATE 1/27/11

SITE NUMBER 1
SITE NAME 101

TRACKING TIMES (LOCAL) MEASURE CST

START 10:18

STOP 17:26

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 67
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 (0.441)
399E/9500 0.389
500 (0.360)

OBSTRUCTIONS: FENCE NW, NE

HEIGHT READINGS MTS FT

1.211

1.651

STATION DESCRIPTIONS Rebar and CAP set 1/25/11

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
16:18	2.1	8/8-8
23:26	2.3	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC

As Previously described

SKETCH

N

HIDALGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

BASE

PROJECT	1101205	SITE NUMBER	1
OPERATOR	WJN	SITE NAME	102
DATE	1/27/10		

TRACKING TIMES (LOCAL) MEASURE CST

START 10:42

STOP 17:44

SENSOR TYPE ~~500~~ 9500 399 299

MEMORY CARD 11

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT		
	299/399	0.441
	399E/9500	0.389
	500	0.360

OBSTRUCTIONS: No

HEIGHT READINGS	MTS	FT
	1.242	

1-602

STATION DESCRIPTIONS Rebar and CAP Set 1/25/11

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
16:42	2.1	9/9-9
23:44	2.3	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

As previously Described

SKETCH

N

5

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT 1101205
OPERATOR WJN
DATE 1/27/11

SITE NUMBER 1
SITE NAME 4

TRACKING TIMES (LOCAL) MEASURE CST
START 11:04
STOP 11:24

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: NO

HEIGHT READINGS MTS FT
1.380

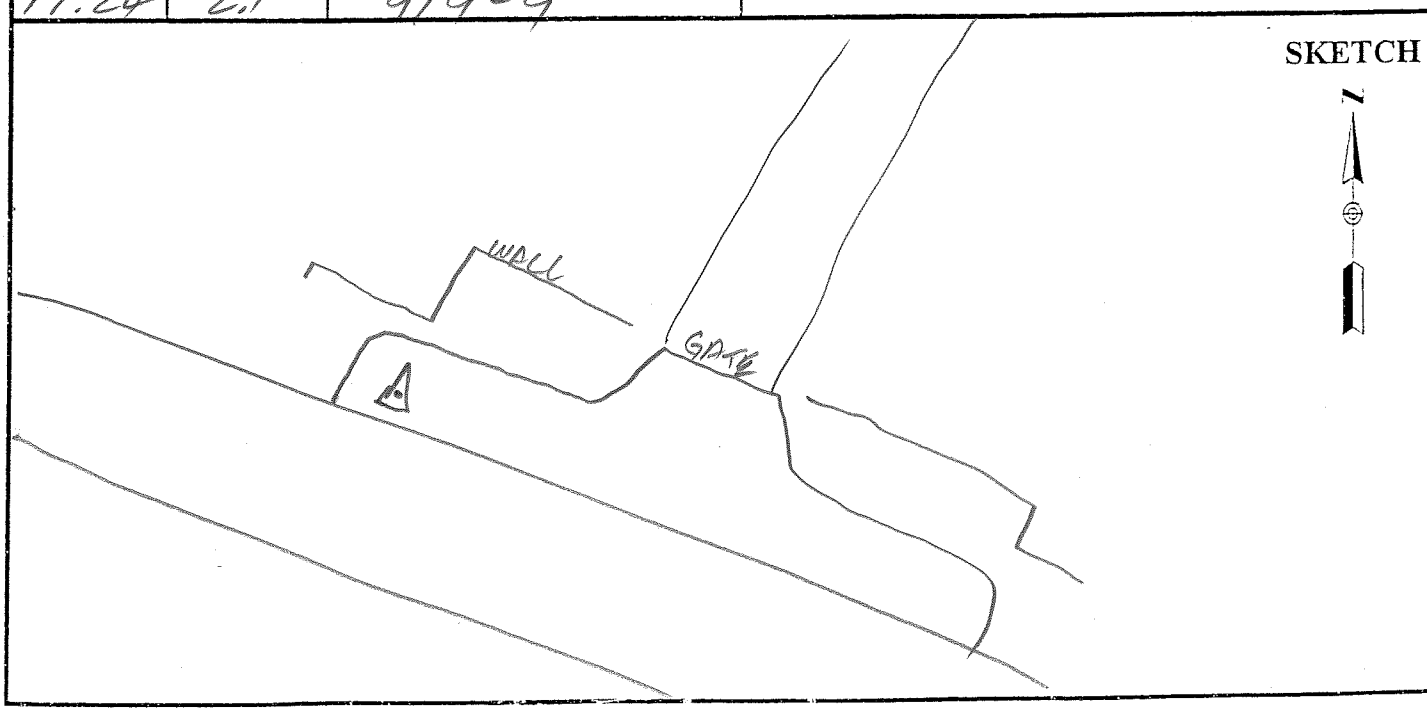
STATION DESCRIPTIONS POINT ON W. END PAVED TURNOUT AROUND RANCH ACCESS

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
17:04	3.2	8/8-9
17:24	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
PC

SKETCH



2

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT 1101205
OPERATOR WJN
DATE 1/27/11

SITE NUMBER 2
SITE NAME 5

TRACKING TIMES (LOCAL) MEASURE CST

START 11:34
STOP 11:50

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	(0.360)

HEIGHT READINGS

MTS	FT
1.315	

OBSTRUCTIONS: FENCE NW, NE

STATION DESCRIPTIONS POINT IN LONG GRASS 6' S. OF TALL MESH R/W FENCE

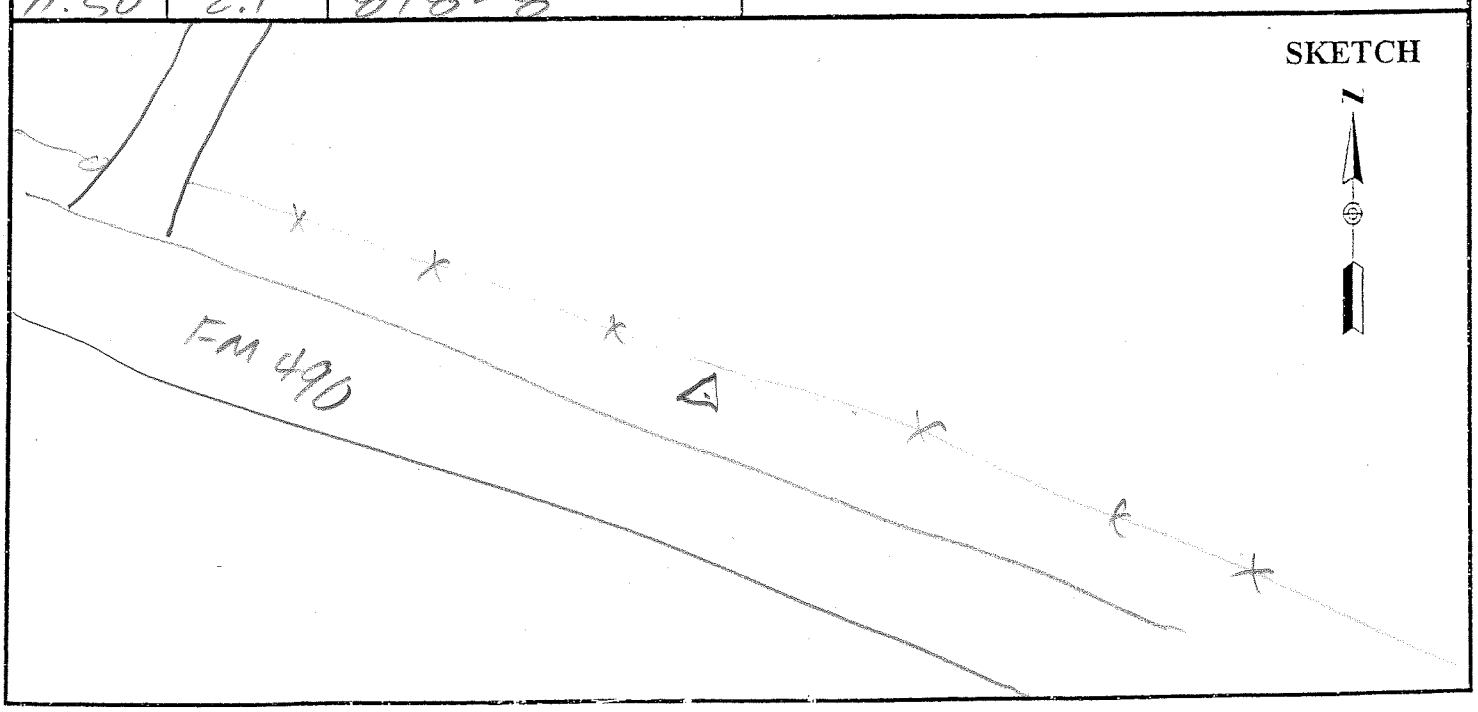
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
11:34	2.2	8/8-8
11:50	2.1	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

/

HIDALGO

PROJECT	1101205	SITE NUMBER	3
OPERATOR	WJW	SITE NAME	6
DATE	1/27/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 12:06

STOP 12:32

SENSOR TYPE (500) 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT		
	299/399	0.441
	399E/9500	0.389
	500	(0.360)

HEIGHT READINGS	MTS	FT
	1.368	

OBSTRUCTIONS: O'H Power lines, TREES E-W

STATION DESCRIPTIONS POINT IN SHORT GRASS

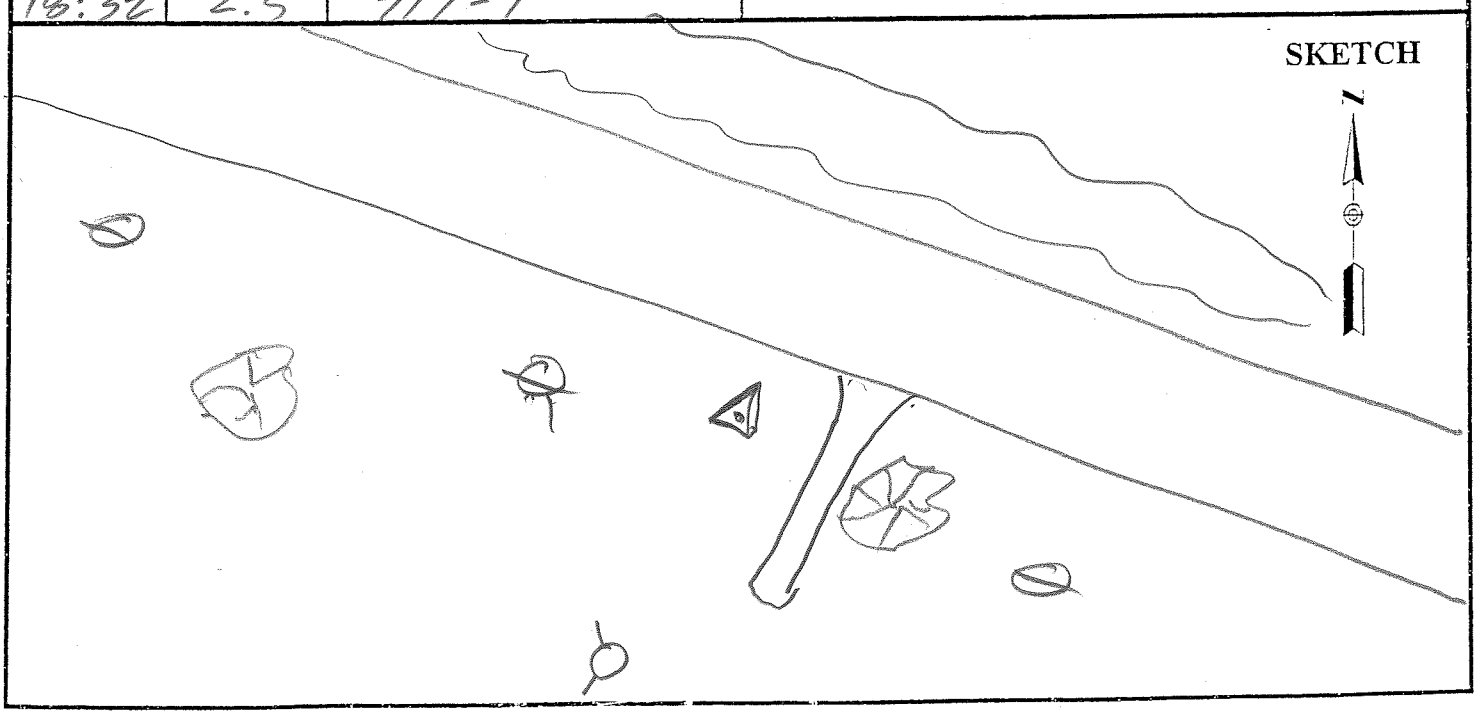
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
18:06	2.8	7/7-7
18:32	2.5	7/7-7

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

PC becoming MC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

5

HIDALGO

PROJECT 1101205
OPERATOR WJN
DATE 1/27/11

SITE NUMBER 4
SITE NAME 7

TRACKING TIMES (LOCAL) MEASURE CST
START 12:44
STOP 13:13

SENSOR TYPE (500) 9500 399 299
MEMORY CARD
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 (0.360)

OBSTRUCTIONS: TREES ALL QUADRANTS

HEIGHT READINGS MTS FT
1.353
1.713

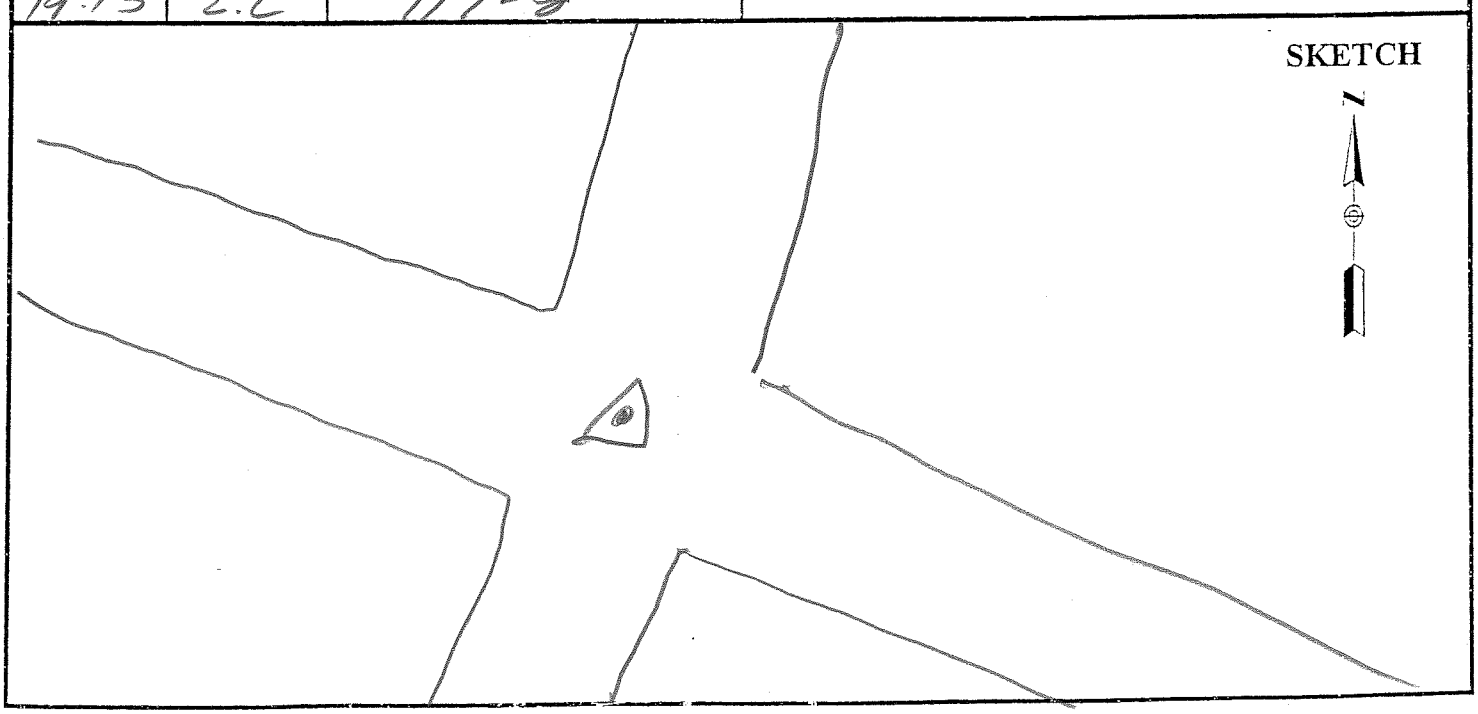
STATION DESCRIPTIONS & & INT RDS NW-NE-SE-SW

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
18:44	2.2	8/8-0
19:13	2.2	7/7-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

2

PROJECT 1101205
OPERATOR WLN
DATE 1/27/11

SITE NUMBER 5
SITE NAME 8

TRACKING TIMES (LOCAL) MEASURE CST

START 13:25
STOP 13:55

SENSOR TYPE 500 9500 399 299
MEMORY CARD
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: NO

HEIGHT READINGS MTS FT
1.310

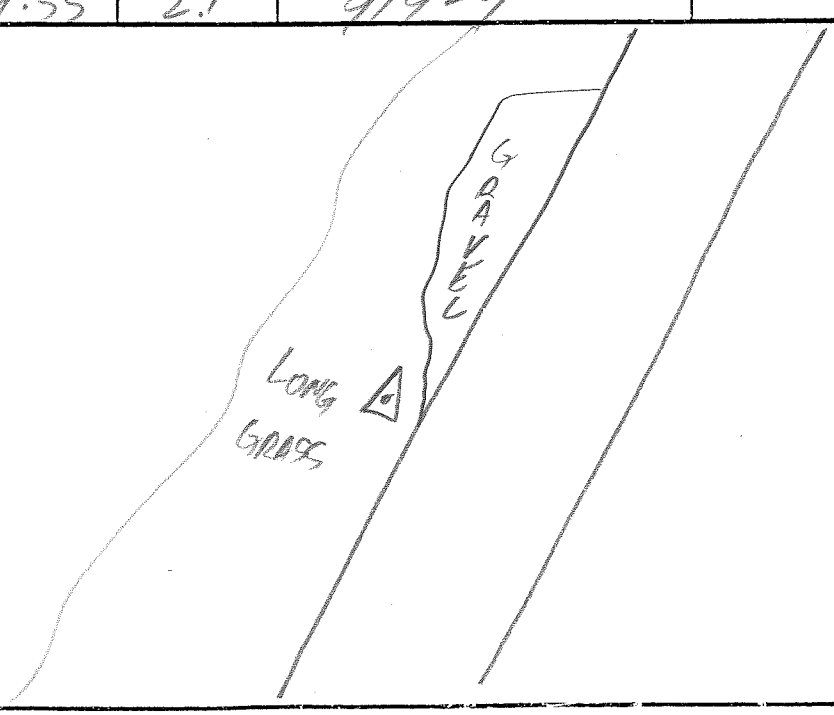
STATION DESCRIPTIONS POINT IN LONG GRASS IN NW R/W, JUST SW OF GRAVEL TURNOUT

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
19:25	2.1	9/9-9
19:55	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC

SKETCH



1

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT 1101205
OPERATOR WJN
DATE 1/27/11

SITE NUMBER 6
SITE NAME 9

TRACKING TIMES (LOCAL) MEASURE CST

START 14:13
STOP 14:41

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

HEIGHT READINGS MTS 1.295 FT

OBSTRUCTIONS:

STATION DESCRIPTIONS POINT IN SHORT GRASS IN SE R/W

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
20:13	2.3	9/9-10
20:41	2.0	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC

SKETCH

5

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT 1101205
OPERATOR WJN
DATE 1/27/11

SITE NUMBER 7
SITE NAME 10

TRACKING TIMES (LOCAL) MEASURE CST

START 14:56

STOP 15:20

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

HEIGHT READINGS MTS 1.328 FT

OBSTRUCTIONS: NO

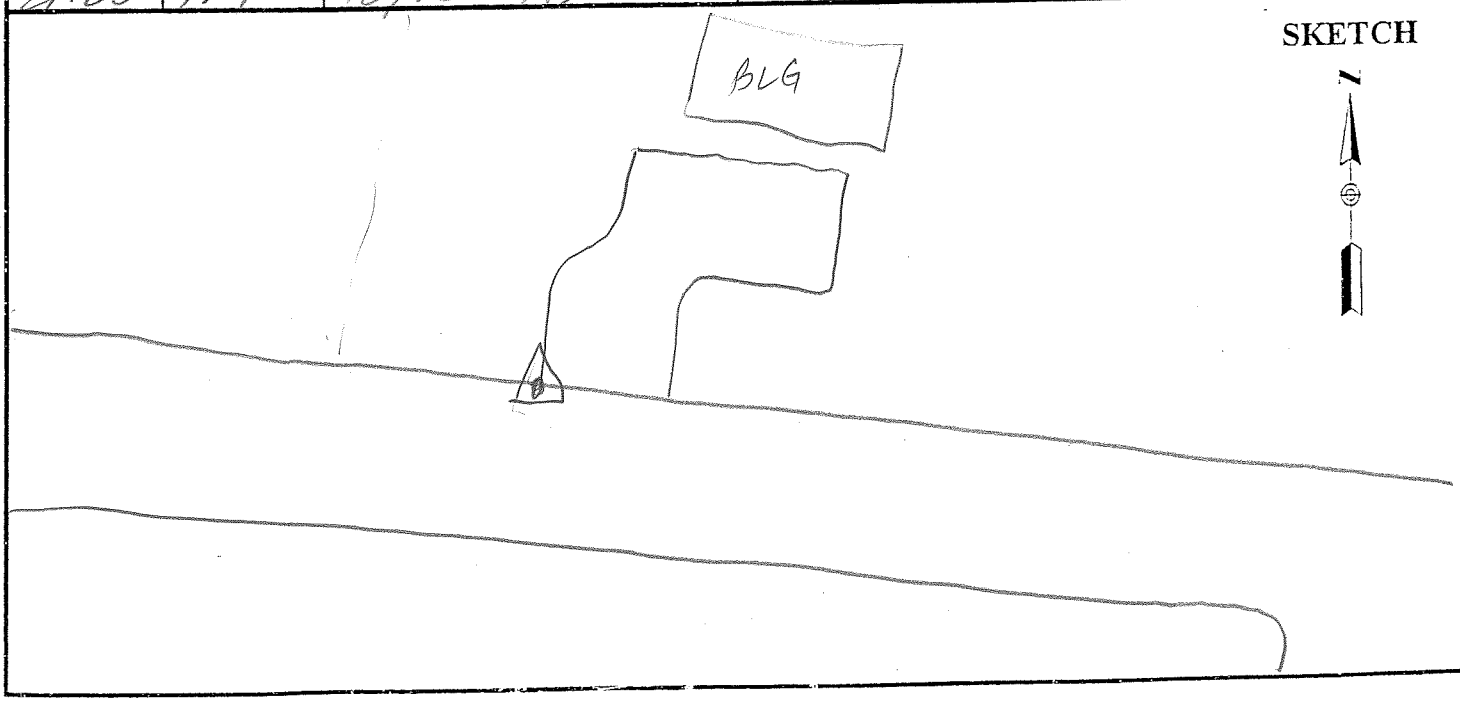
STATION DESCRIPTIONS N. EDGE
PAVED RD @ W. EDGE
PAVED DRIVE

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
20:56	1.9	10/10 - 10
21:20	1.9	10/10 - 10

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
OMC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT	1101205	SITE NUMBER	8
OPERATOR	WWN	SITE NAME	11
DATE	1/27/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 15:42

STOP 16:02

SENSOR TYPE 500 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

HEIGHT READINGS

MTS	FT
1.306	

OBSTRUCTIONS: NO

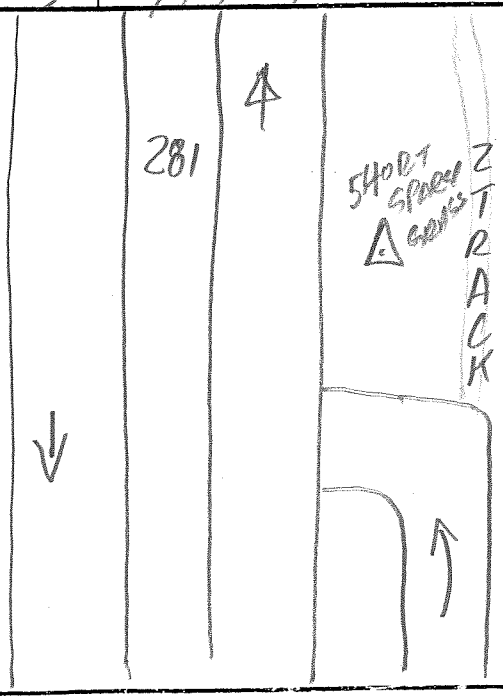
STATION DESCRIPTIONS PONT IN SHORT GRASS

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
21:42	2.5	9/9-9
22:02	2.3	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKETCH



2

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT 1101205
OPERATOR WJN
DATE 1/27/10

SITE NUMBER -9
SITE NAME 12

TRACKING TIMES (LOCAL) MEASURE CST

START 16:12
STOP 16:32

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

HEIGHT READINGS MTS 1.350 FT

OBSTRUCTIONS: NO

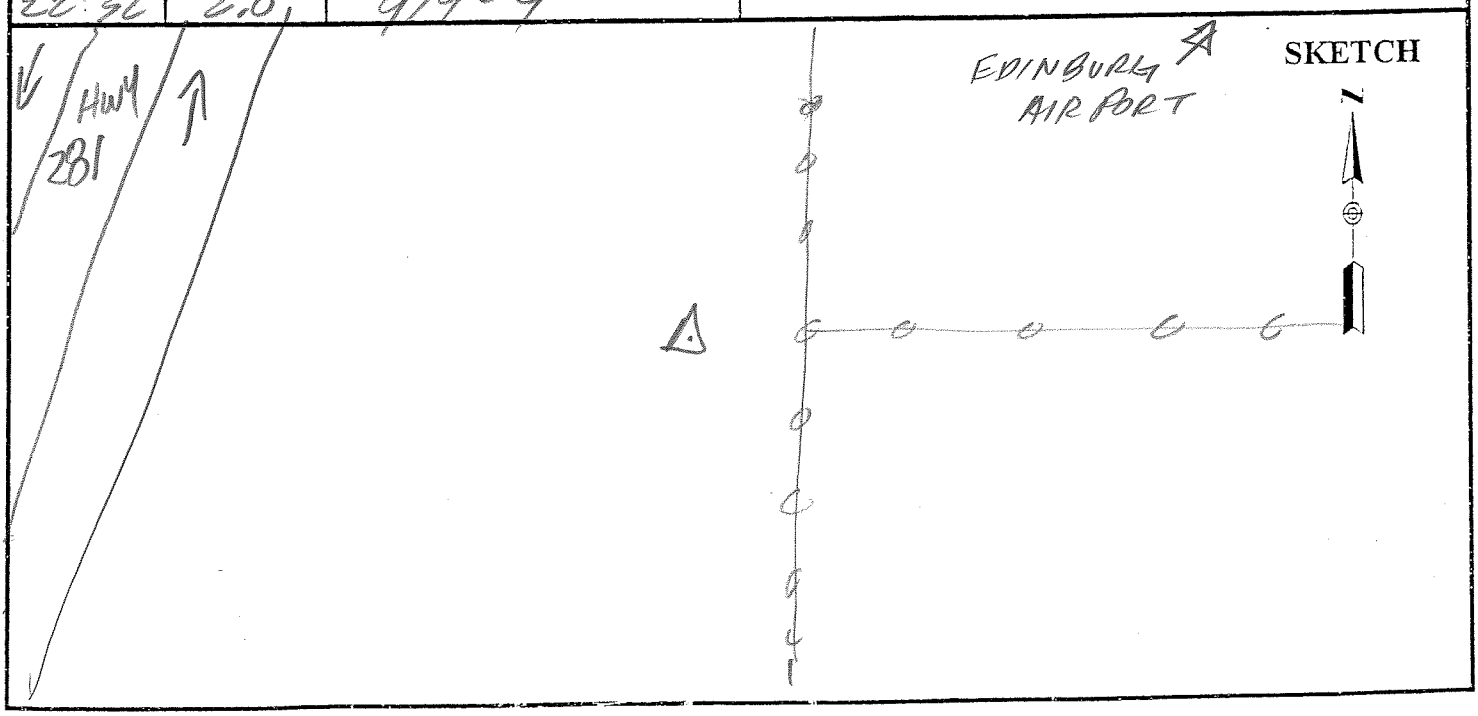
STATION DESCRIPTIONS POINT IN LONG GRASS ±20' W. OF INT. WOVEN FENCES N-S-E

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
22:12	2.1	9/9-9
22:32	2.0	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
OVC

SKETCH



5

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT 1101205
OPERATOR WJN
DATE 1/27/11

SITE NUMBER 10
SITE NAME 13

TRACKING TIMES (LOCAL) MEASURE CST

START 16:41
STOP 17:09

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

HEIGHT READINGS

MTS	FT
1.330	

OBSTRUCTIONS: NO

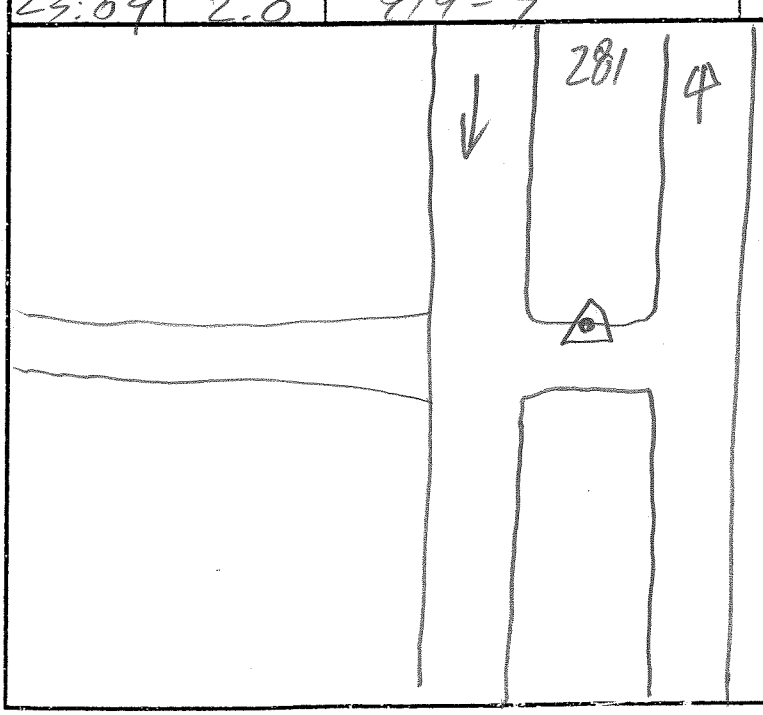
STATION DESCRIPTIONS N. EDGE PAVED CROSSOVER @ APPROX ℄ MEDIAN

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
22:41	2.0	9/9-9
23:09	2.0	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
OVC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

BASE

PROJECT 1101205
OPERATOR WJN
DATE 1/28/11

SITE NUMBER 1
SITE NAME 102

TRACKING TIMES (LOCAL) MEASURE CST

START 9:16
STOP 3:42

SENSOR TYPE 500 9500 399 299
MEMORY CARD 11
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

OBSTRUCTIONS: No

HEIGHT READINGS

MTS	FT
1.269	
1.629	

STATION DESCRIPTIONS Rebar and Cap Set 1/25/11

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
15:16	3.2	7/7-7
15:42	2.2	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC

As previously Described

SKETCH

5

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT	1101205	SITE NUMBER	11
OPERATOR	WIN	SITE NAME	14
DATE	1/28/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 9:39

STOP 10:10

SENSOR TYPE (500) 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT		
	299/399	0.441
	399E/9500	0.389
	500	(0.360)

HEIGHT READINGS	MTS	FT
	1.310	

OBSTRUCTIONS: NO

STATION DESCRIPTIONS S. EDGE PUMPT @ ℄ TURNOUT

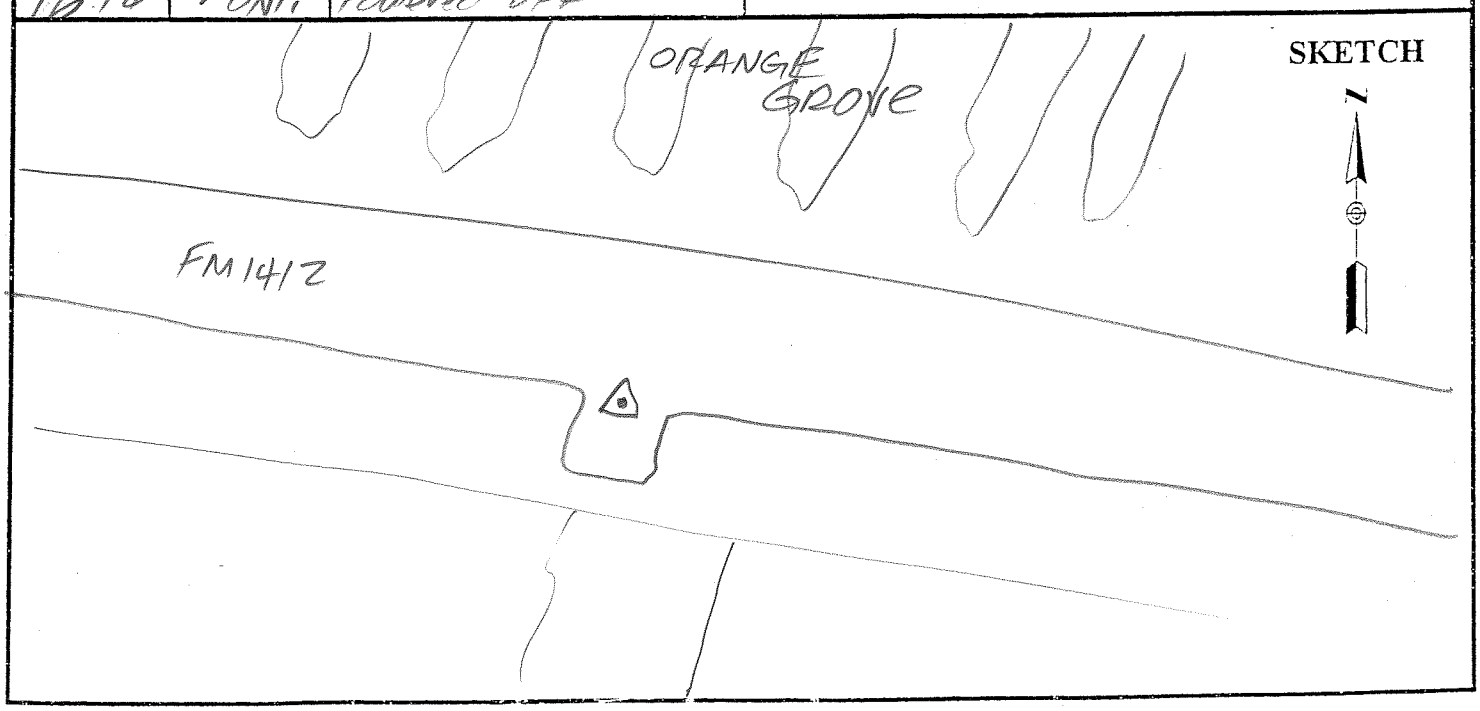
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
1539	2.8	7/7-7
1610	→ UNIT	Powered OFF

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC becoming PC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

2

HIDALGO

PROJECT 1101205
OPERATOR WJN
DATE 1/28/11

SITE NUMBER 2
SITE NAME 15

TRACKING TIMES (LOCAL) MEASURE CST

START 10:26

STOP

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 (0.360)

OBSTRUCTIONS: OH Power lines

HEIGHT READINGS MTS FT
1.280

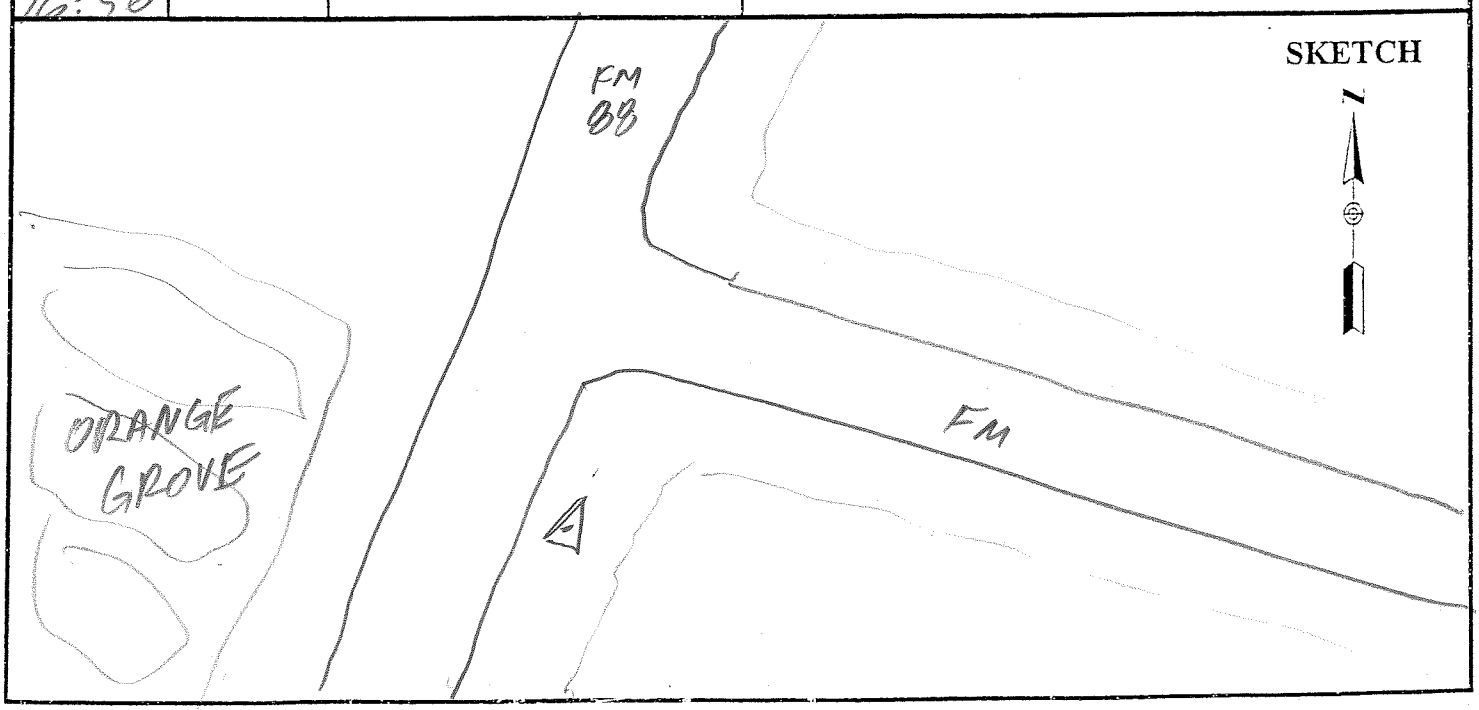
STATION DESCRIPTIONS POINT IN LONG GRASS STRIP IN R/W Between E.O.P AND FIELD EDGE

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
16:26	2.8	8/8-9
16:56		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
PC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT	1101205	SITE NUMBER	3
OPERATOR	WLN	SITE NAME	16
DATE	1/28/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 11:05

STOP 11:41

SENSOR TYPE (500) 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	(0.360)

HEIGHT READINGS

MTS	FT
1.343	

OBSTRUCTIONS: NO

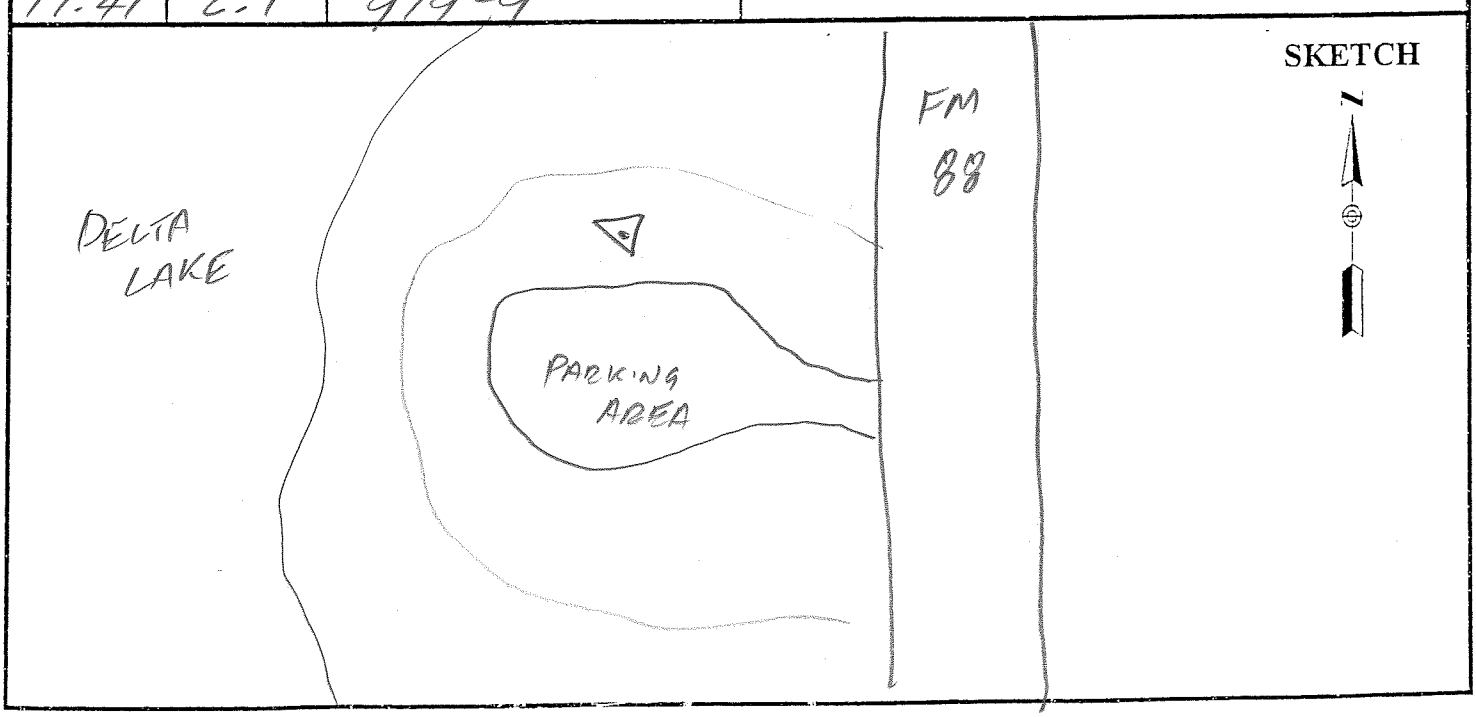
STATION DESCRIPTIONS POINT IN SHORT GRASS N. OF PARKING AREA

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
17:05	2.6	9/9-9
17:41	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

5

HIDALGO

PROJECT	1101205	SITE NUMBER	4
OPERATOR	WIN	SITE NAME	17
DATE	1/28/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 12:05

STOP 12:41

SENSOR TYPE 500 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT		
	299/399	0.441
	399E/9500	0.389
	500	0.360

HEIGHT READINGS	MTS	FT
	1.344	

OBSTRUCTIONS: NO

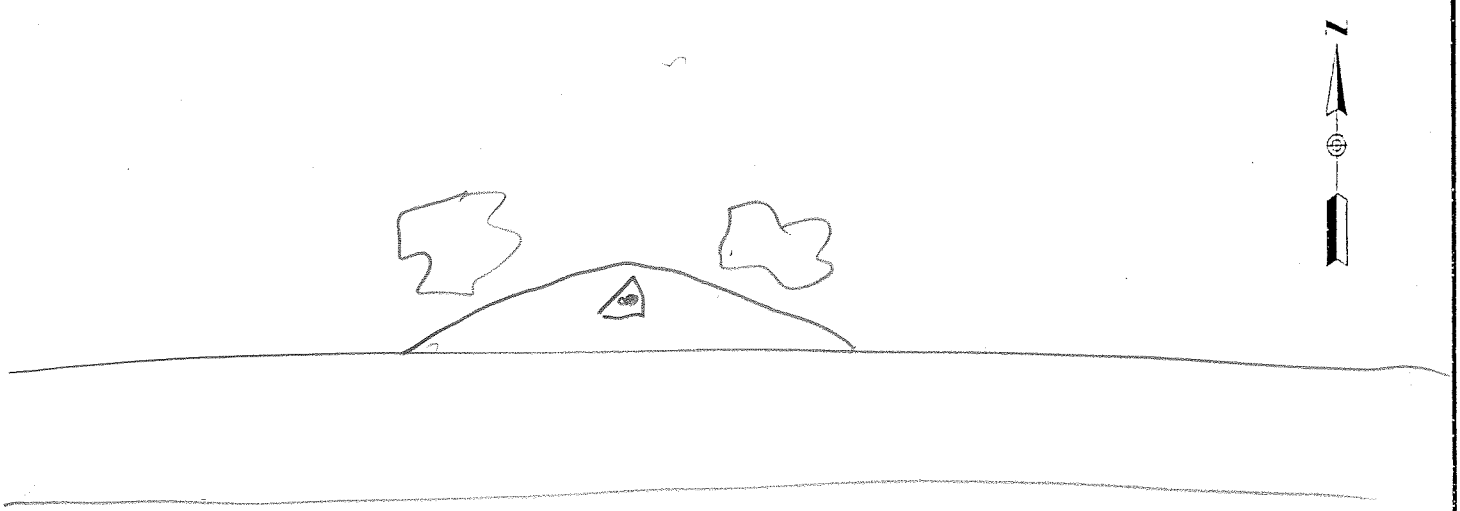
STATION DESCRIPTIONS POINT IN CENTER OF SMALL TURNOUT N OF E-W RD

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
18:05	2.7	7/7-7
18:41	2.1	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKETCH



2

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT 1101205
OPERATOR WJN
DATE 1/28/11

SITE NUMBER 5
SITE NAME 18

TRACKING TIMES (LOCAL) MEASURE CST

START 13:02
STOP 13:32

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 (0.360)

OBSTRUCTIONS: NO

HEIGHT READINGS MTS FT
1.347

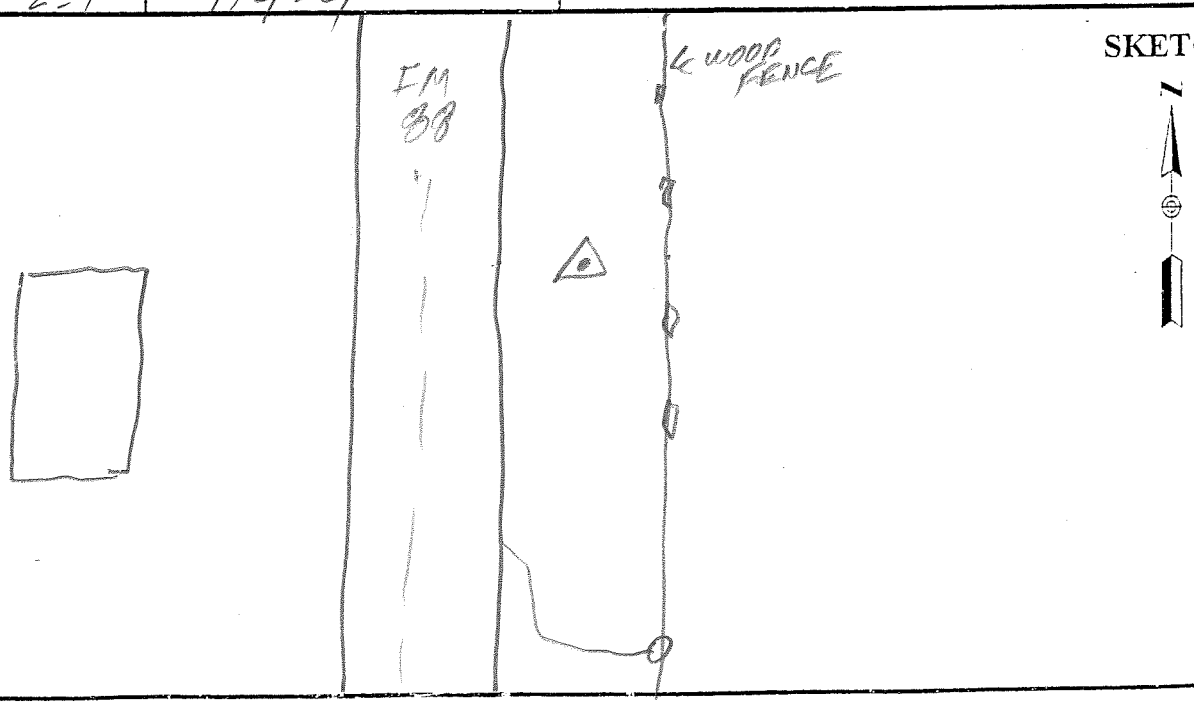
STATION DESCRIPTIONS POINT IN LONG GRASS BETWEEN EDGE OF PAVEMENT AND FENCE, OPP N. EDGE LARGE HOUSE W

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
19:02	2.3	8/8-8
19:32	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
PC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

/

PROJECT 1101305
OPERATOR LWJN
DATE 1/28/11

SITE NUMBER 6
SITE NAME 19

TRACKING TIMES (LOCAL) MEASURE CST
START 13:44
STOP 14:09

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 (0.360)

HEIGHT READINGS MTS 1.305 FT

OBSTRUCTIONS: TREES E-W
PPL W

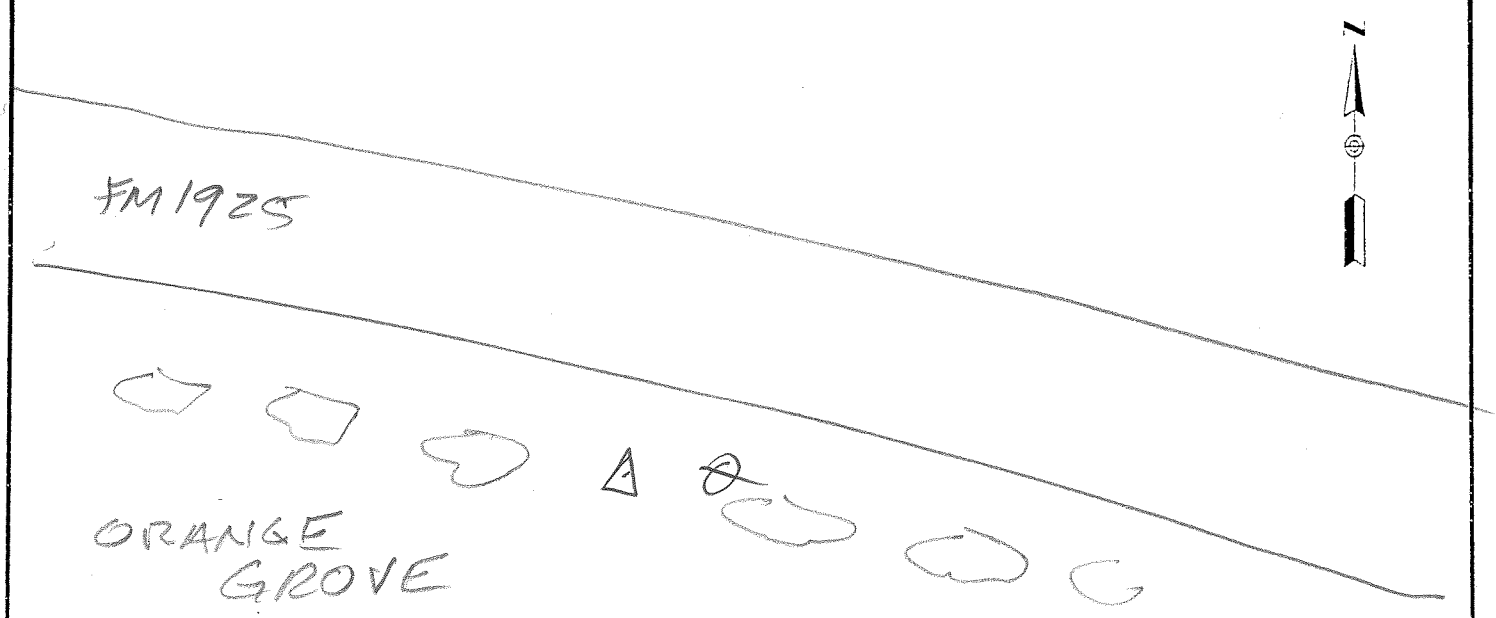
STATION DESCRIPTIONS POINT IN
SHORT GRASS @ S R/W
Between 2 TREES

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
19:44	2.0	9/9-9
20:09	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
SKC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

5

HIDALGO

PROJECT	1101205	SITE NUMBER	7
OPERATOR	WJN	SITE NAME	20
DATE	1/28/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 14:18

STOP 14:42

SENSOR TYPE (500) 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT		
	299/399	0.441
	399E/9500	0.389
	500	(0.360)

HEIGHT READINGS	MTS	FT
	1.335	

OBSTRUCTIONS:

STATION DESCRIPTIONS ℄ ℄ ROADS WNW-SSW

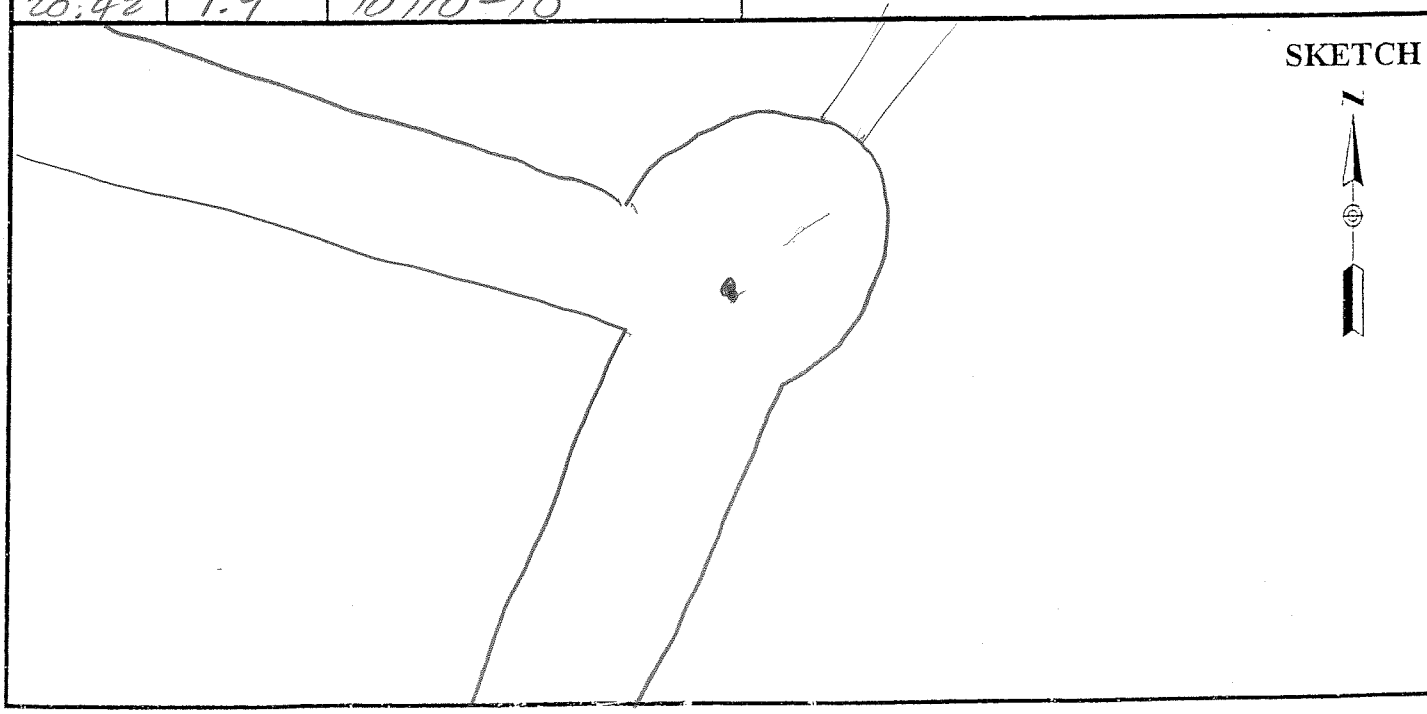
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
20:18	2.6	9/9-10
20:42	1.9	10/10-10

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKC

SKETCH



2

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT 1101205
OPERATOR WNN
DATE 1/28/11

SITE NUMBER 8
SITE NAME 21

TRACKING TIMES (LOCAL) MEASURE CST

START 15.00
STOP 15:28

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: NO

HEIGHT READINGS MTS FT
1.331

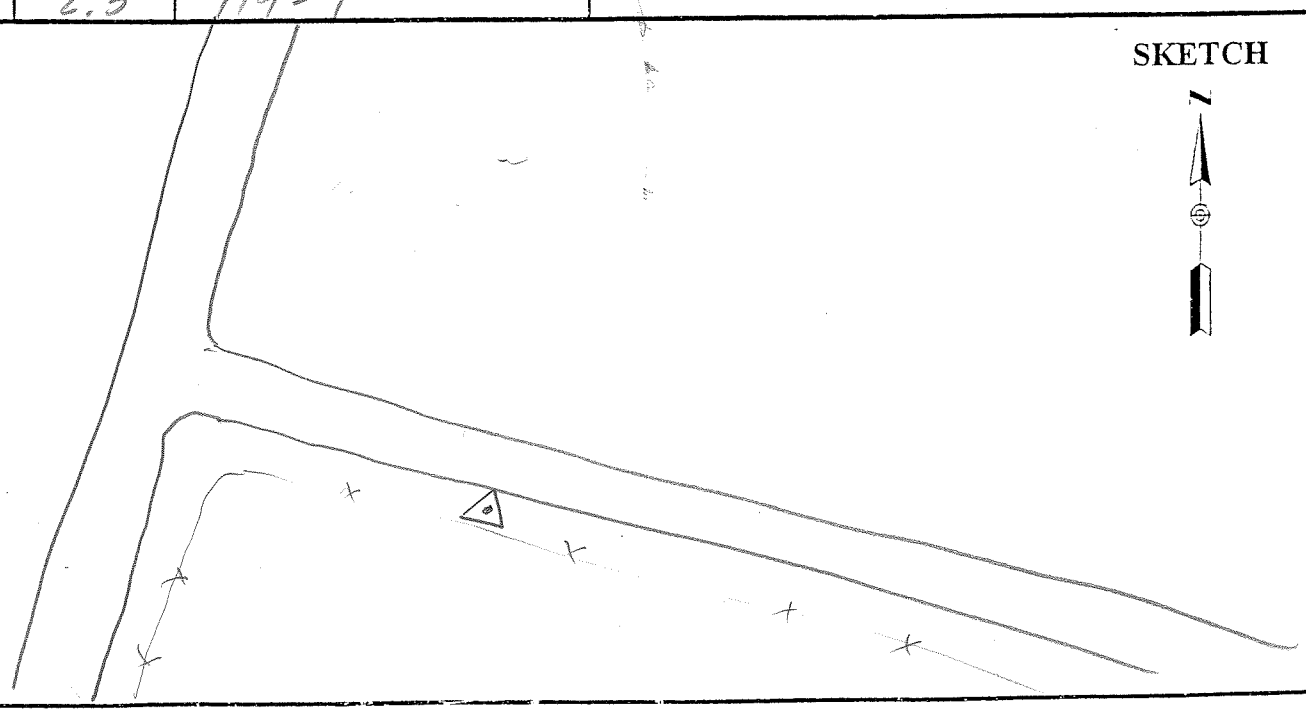
STATION DESCRIPTIONS POINT IN LONG GRASS IN S. R/W Between EOP AND FENCE

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
21:00	2.6	9/9-10
21:28	2.3	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
SKC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

BASE

PROJECT 1101205
OPERATOR WJN
DATE 1/29/11

SITE NUMBER 1
SITE NAME 102

TRACKING TIMES (LOCAL) MEASURE CST
START 7:30
STOP 16:00

SENSOR TYPE 500 9500 399 299
MEMORY CARD 11
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: NO

HEIGHT READINGS MTS FT
1.292

1.652

STATION DESCRIPTIONS Rebar and CAP Set 1/25/11

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
13:30	2.3	7/7-7
22:04	2.0	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC
26 26 55.77735
98 07 19.98306
-1.1447

AS PREVIOUSLY DESCRIBED

SKETCH

N

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

BASD

PROJECT 1101205
OPERATOR WJN
DATE 1/29/11

SITE NUMBER 1
SITE NAME 101

TRACKING TIMES (LOCAL) MEASURE CST

START 8:53
STOP 15:44

SENSOR TYPE 500 9500 399 299
MEMORY CARD 67
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: Fence NW, NE

HEIGHT READINGS MTS FT
1.241
1.681

STATION DESCRIPTIONS Rebar PND
CAP Set 1/25/11

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
14:53	2.3	7/7-7
21:44	2.2	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC

SKETCH

AS PREVIOUSLY DESCRIBED

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AERO-METRIC, INC.
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SHEBOYGAN, WISCONSIN 53083

HIDALGO

1

PROJECT 1101205
OPERATOR WJN
DATE 1/29/11

SITE NUMBER 1
SITE NAME 22

TRACKING TIMES (LOCAL) MEASURE CST
START 9:00
STOP 9:24

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 (0.360)

OBSTRUCTIONS: NO

HEIGHT READINGS MTS 1.350 FT

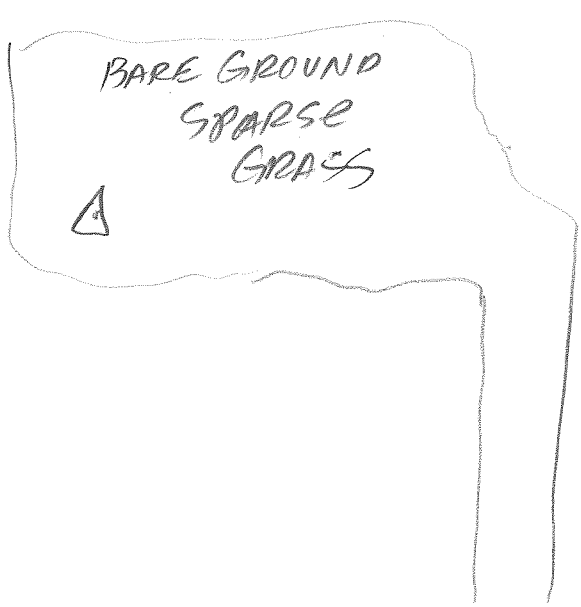
STATION DESCRIPTIONS PONTIN SPARSE GRASS / BARE GROUND NEAR SW COR LARGE DRILL PAD.

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
15:00	3.2	7/7-7
15:24	3.0	7/7-7

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
OVC

SKETCH



2

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT	1101205	SITE NUMBER	2
OPERATOR	WJN	SITE NAME	23
DATE	1/29/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 9:35

STOP 10:05

SENSOR TYPE 500 9500 399 299

MEMORY CARD

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

OBSTRUCTIONS:

HEIGHT READINGS

MTS	FT
1.297	

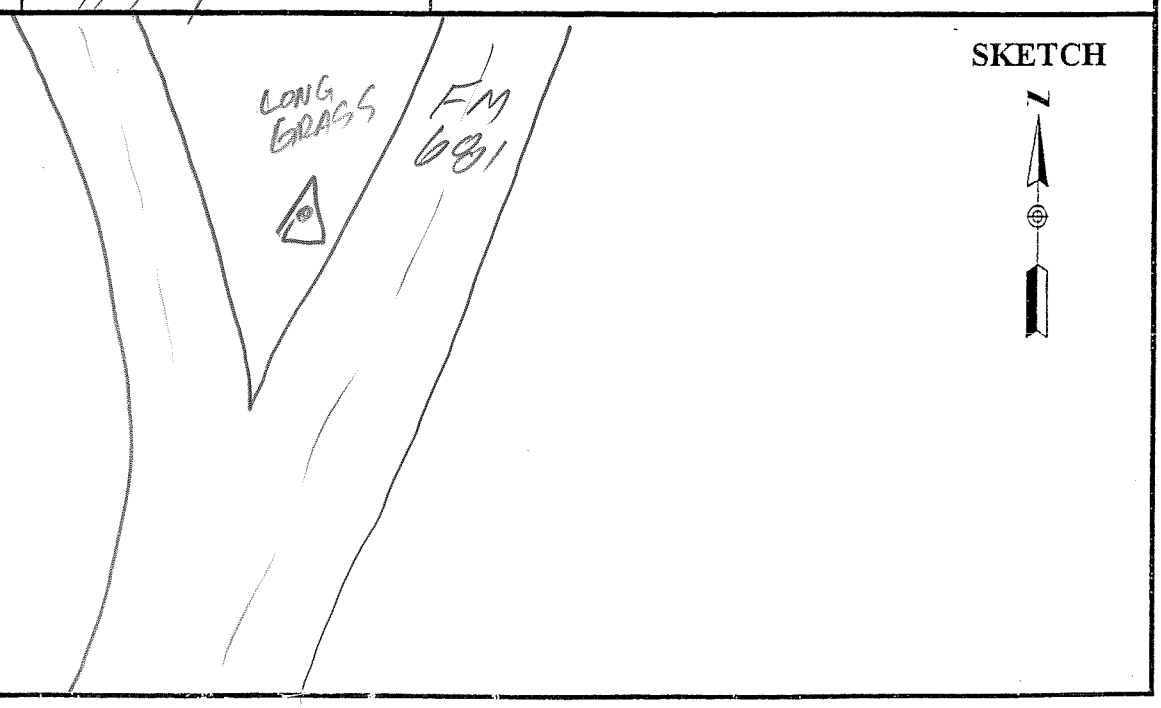
STATION DESCRIPTIONS POINT IN VERY LONG THICK GRASS

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
15:35	1.9	8/8-0
16:05	2.0	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKETCH



5

HIDALGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WJN
DATE 1/29/11

SITE NUMBER 3
SITE NAME 24

TRACKING TIMES (LOCAL) MEASURE CST

START 10:12

STOP 10:40

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 (0.360)

HEIGHT READINGS MTS FT
1.338

OBSTRUCTIONS: TREES NW

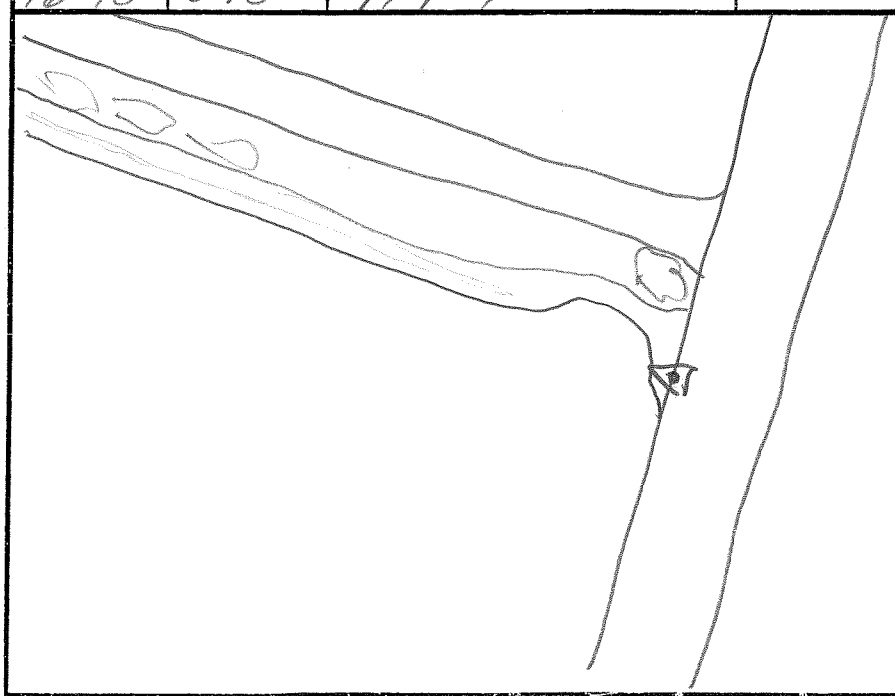
STATION DESCRIPTIONS W EDGE PVMNT OPP ℄ 2 track W'ly, @ S TIP ENT.

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
16:12	2.6	8/8-9
16:40	2.0	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
PC

SKETCH



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SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT 1101205
OPERATOR WJN
DATE 1/29/

SITE NUMBER 4
SITE NAME 25

TRACKING TIMES (LOCAL) MEASURE CST
START 10:54
STOP 11:24

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

HEIGHT READINGS MTS 1.284 FT

OBSTRUCTIONS: GRAIN BINS E.

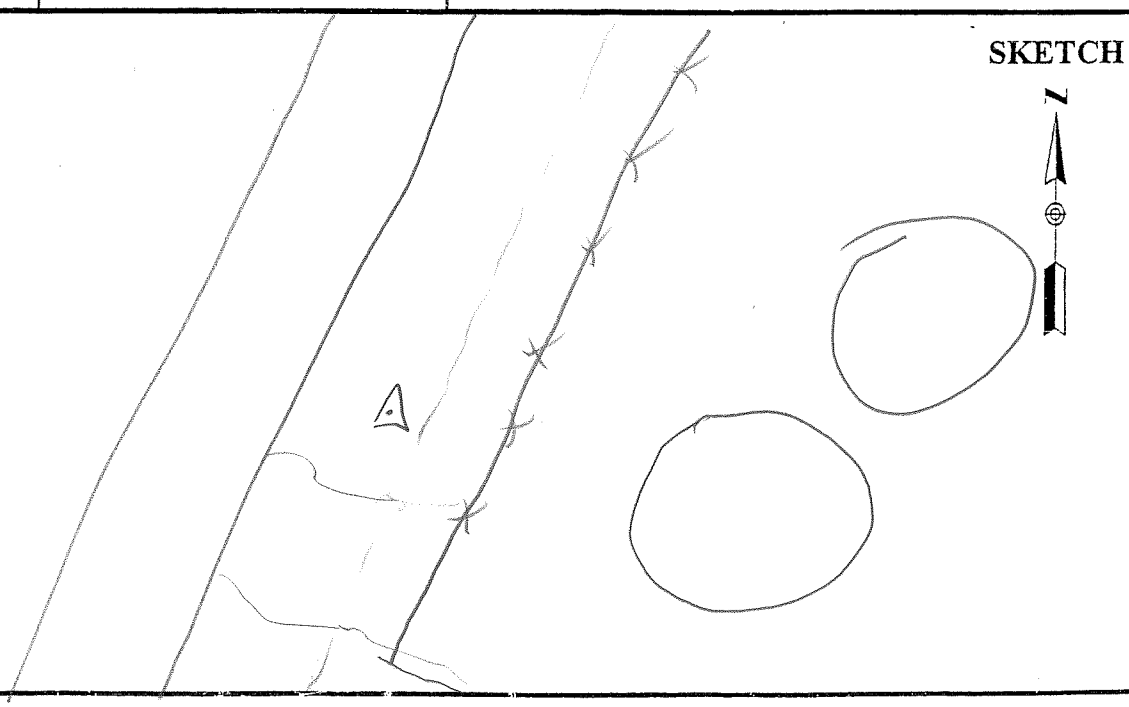
STATION DESCRIPTIONS POINT 1A SHORT GRASS

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
16:54	2.6	8/8-9
17:24		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC, Becoming very windy

SKETCH



2

HIDALGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WJN
DATE 1/29/11

SITE NUMBER 5
SITE NAME 26

TRACKING TIMES (LOCAL) MEASURE CST

START 11:33

STOP 11:58

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 (0.360)

OBSTRUCTIONS: NO

HEIGHT READINGS MTS FT
1.283

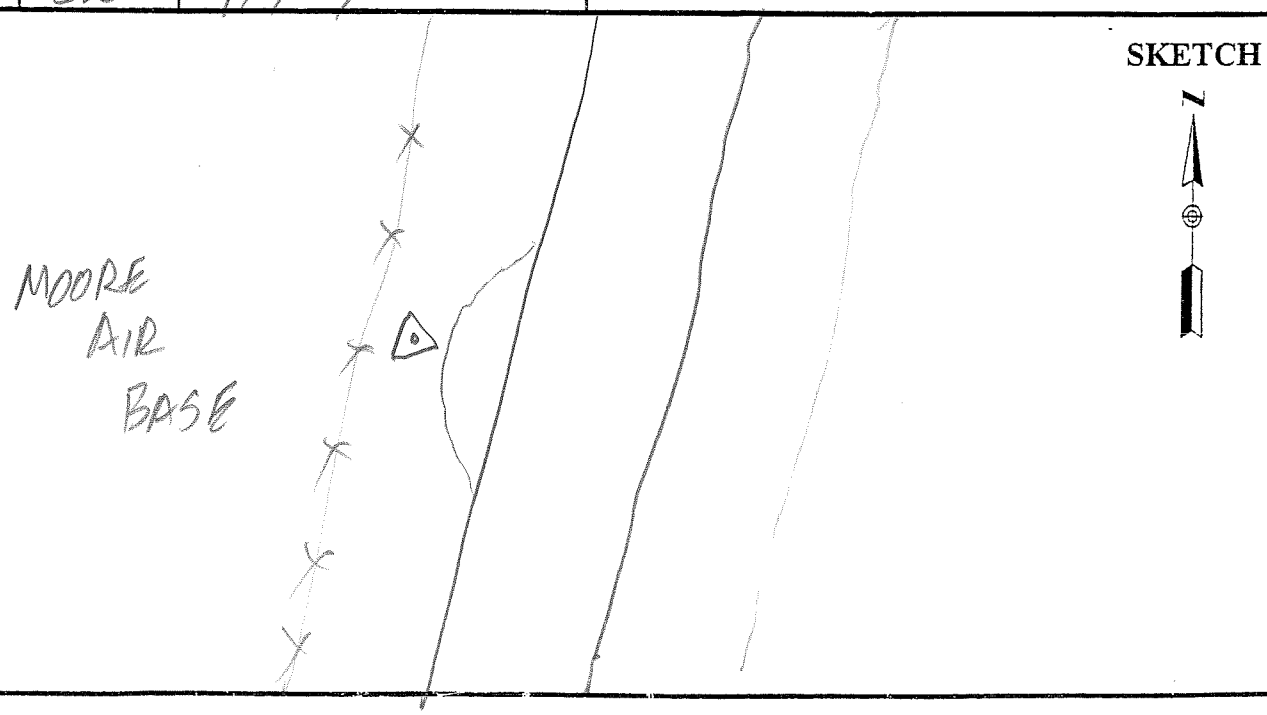
STATION DESCRIPTIONS POINT 101 LONG GRASS Between APPEX OF TURNOUT AND FENCE

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
17:33	2.1	8/8-8
17:58	2.0	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
Very WINDY

SKETCH



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SHEBOYGAN, WISCONSIN 53083

HIDALGO

5

PROJECT 1101205
OPERATOR WJN
DATE 1/29/11

SITE NUMBER 6
SITE NAME 27

TRACKING TIMES (LOCAL) MEASURE CST
START 12:08
STOP 12:36

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: PPLS E

HEIGHT READINGS MTS FT
1.331

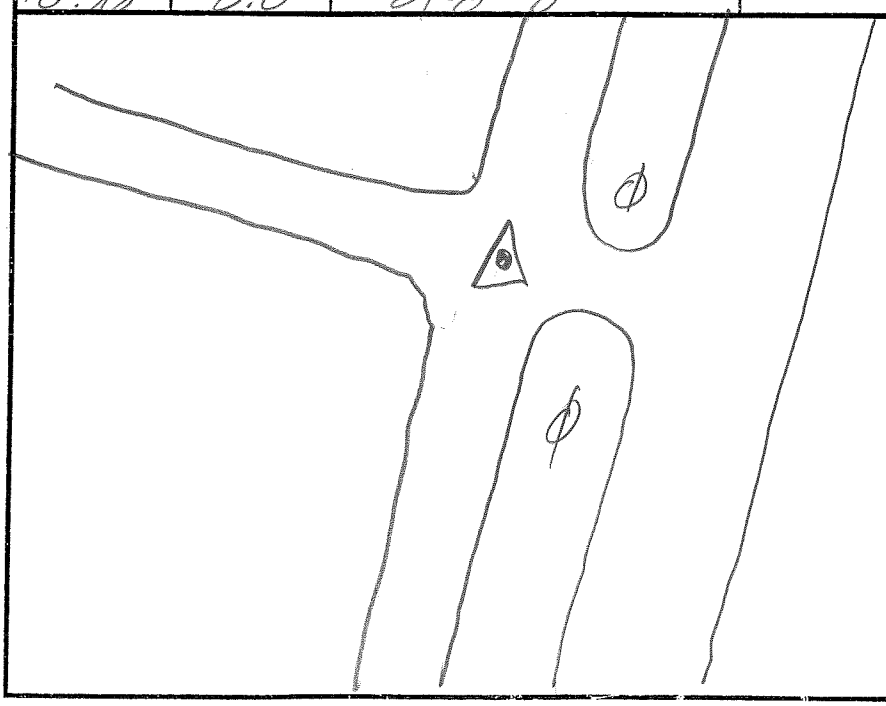
STATION DESCRIPTIONS ¢ ¢
INT.

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
1808	2.1	9/9-9
18:36	2.0	8/8-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKETCH



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4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

/

PROJECT 1101205
OPERATOR WJN
DATE

SITE NUMBER 7
SITE NAME 28

TRACKING TIMES (LOCAL) MEASURE CST
START 12:44
STOP 13:16

SENSOR TYPE 500 9500 399 299
MEMORY CARD
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: NO

HEIGHT READINGS MTS FT
1.294

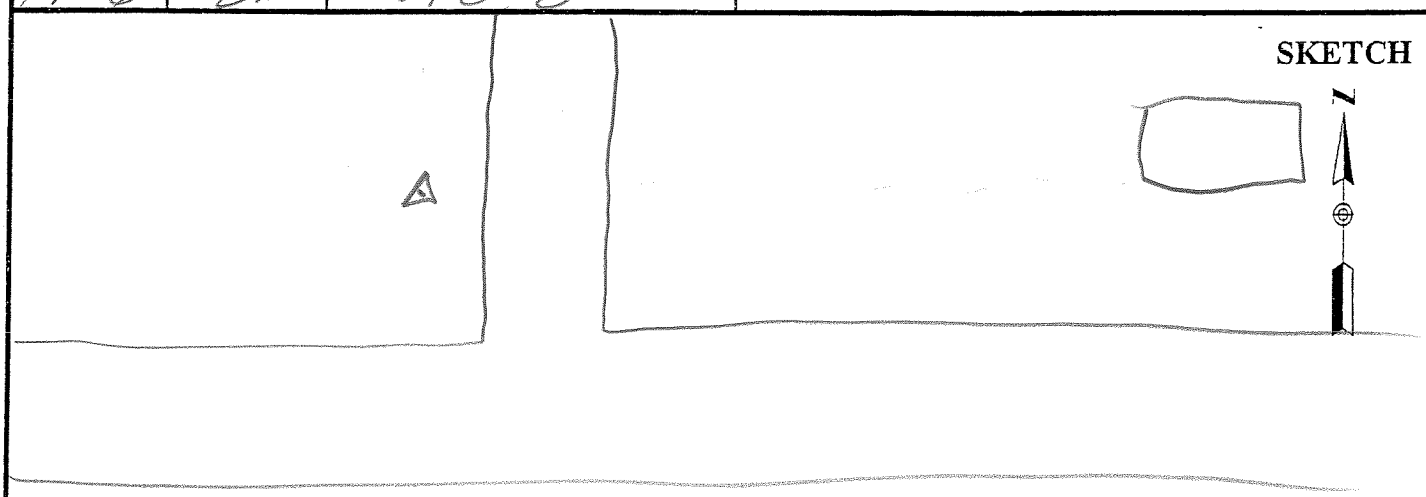
STATION DESCRIPTIONS POINT IN SHORT GRASS

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
18:44	2.2	7/7-7
19:16	2.1	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC

SKETCH



2

AERO-METRIC, INC.
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SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WJN
DATE 1/29/11

SITE NUMBER 8
SITE NAME 29

TRACKING TIMES (LOCAL) MEASURE CST

START 13:26
STOP 14:00

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

HEIGHT READINGS MTS 1.316 FT

OBSTRUCTIONS: PPL N-S

STATION DESCRIPTIONS POINT IN LONG GRASS

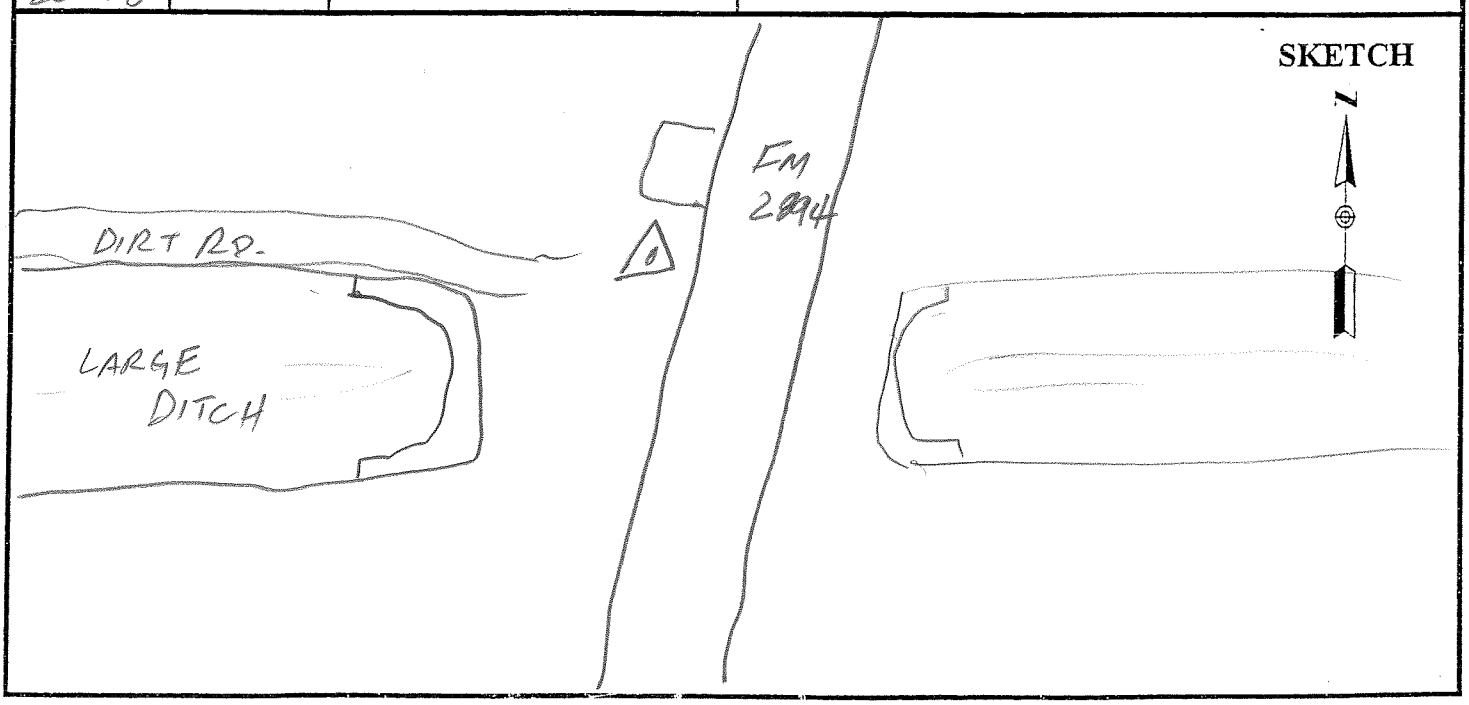
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
19:26	2.1	8/8-8
20:00		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC

SKETCH



5

HIDALGO

AERO-METRIC, INC.
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SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WJN
DATE 1/29/11

SITE NUMBER 9
SITE NAME 30

TRACKING TIMES (LOCAL) MEASURE CST
START 14:14
STOP 14:42

SENSOR TYPE 500 9500 399 299
MEMORY CARD
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: TRAFFIC

HEIGHT READINGS MTS 1.265 FT

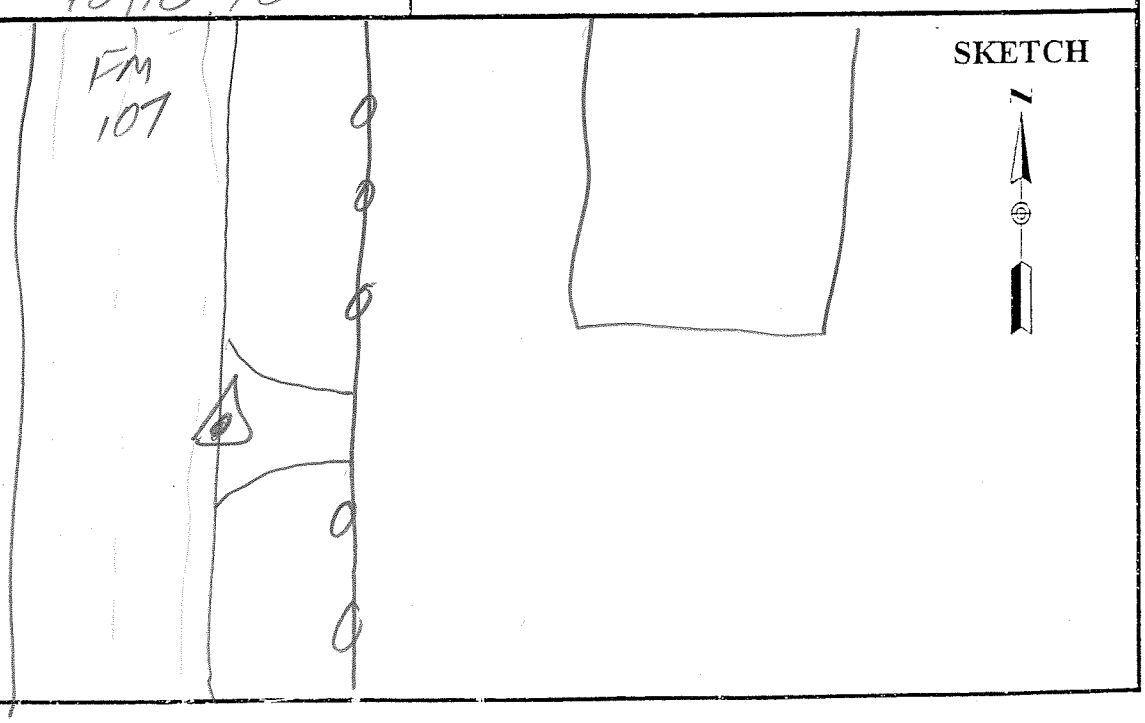
STATION DESCRIPTIONS E EDGE PAVEMENT @ ℄ DRIVE E

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
20:14	2.0	10/10-10
20:42	2.0	10/10-10

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

2

HIDALGO

PROJECT 1101205
OPERATOR WJN
DATE 1/29/11

SITE NUMBER 10
SITE NAME 31

TRACKING TIMES (LOCAL) MEASURE CST
START 15:01
STOP 15:25

SENSOR TYPE 500 9500 399 299
MEMORY CARD 12
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

HEIGHT READINGS MTS FT
1.323

OBSTRUCTIONS: NO

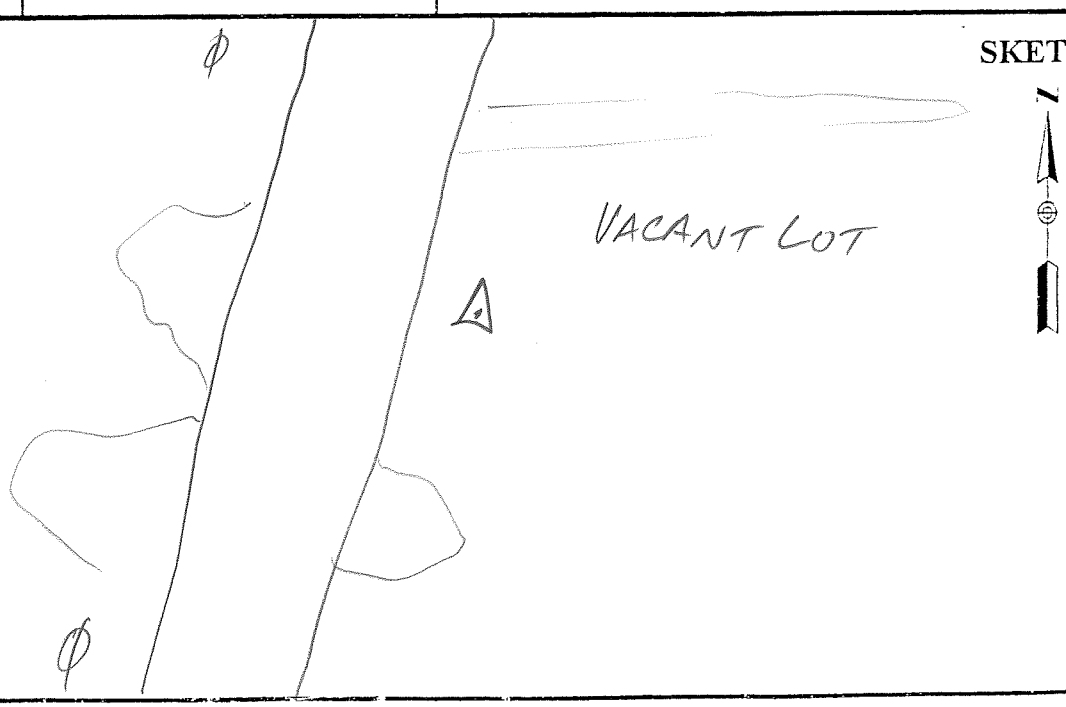
STATION DESCRIPTIONS POINT IN LONG GRASS IN E R/W

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
21:01	2.8	9/9-9
21:25		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

BASE

PROJECT 1101205
OPERATOR WJN
DATE 1/30/11

SITE NUMBER 1
SITE NAME 101

TRACKING TIMES (LOCAL) MEASURE CST

START 11:15
STOP 15:20

SENSOR TYPE 500 9500 399 299
MEMORY CARD 11
BATTERY NO.
CONTROLLER NO. 00036809
SENSOR NO.
ANT 7851

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

OBSTRUCTIONS: FENCE NW NE

HEIGHT READINGS

MTS	FT
1.195	

1.555

STATION DESCRIPTIONS Rebar and CAP Set 1/25/11

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
17:15	2.4	9/9-G
21:20	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

PC

SKETCH

AS PREVIOUSLY DESCRIBED

N

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

BASE

PROJECT 1101205
OPERATOR MKJN
DATE 1/30/11

SITE NUMBER 1
SITE NAME 103

TRACKING TIMES (LOCAL) MEASURE CST

START 12:08

STOP 15:46

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 67
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT

299/399	(0.441)
399E/9500	0.389
500	0.360

OBSTRUCTIONS: NO

HEIGHT READINGS

MTS	FT
1.161	

1.602

STATION DESCRIPTIONS Rebar and CAP SET 1/25/11

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
18:08	2.5	7/7-7
21:41	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

PC

AS PREVIOUSLY DESCRIBED

SKETCH

N

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

5

PROJECT 1101205
OPERATOR WJN
DATE 1/30/11

SITE NUMBER 1
SITE NAME 32

TRACKING TIMES (LOCAL) MEASURE CST
START 12:02
STOP 12:29

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

HEIGHT READINGS MTS FT
1.317

OBSTRUCTIONS: NO

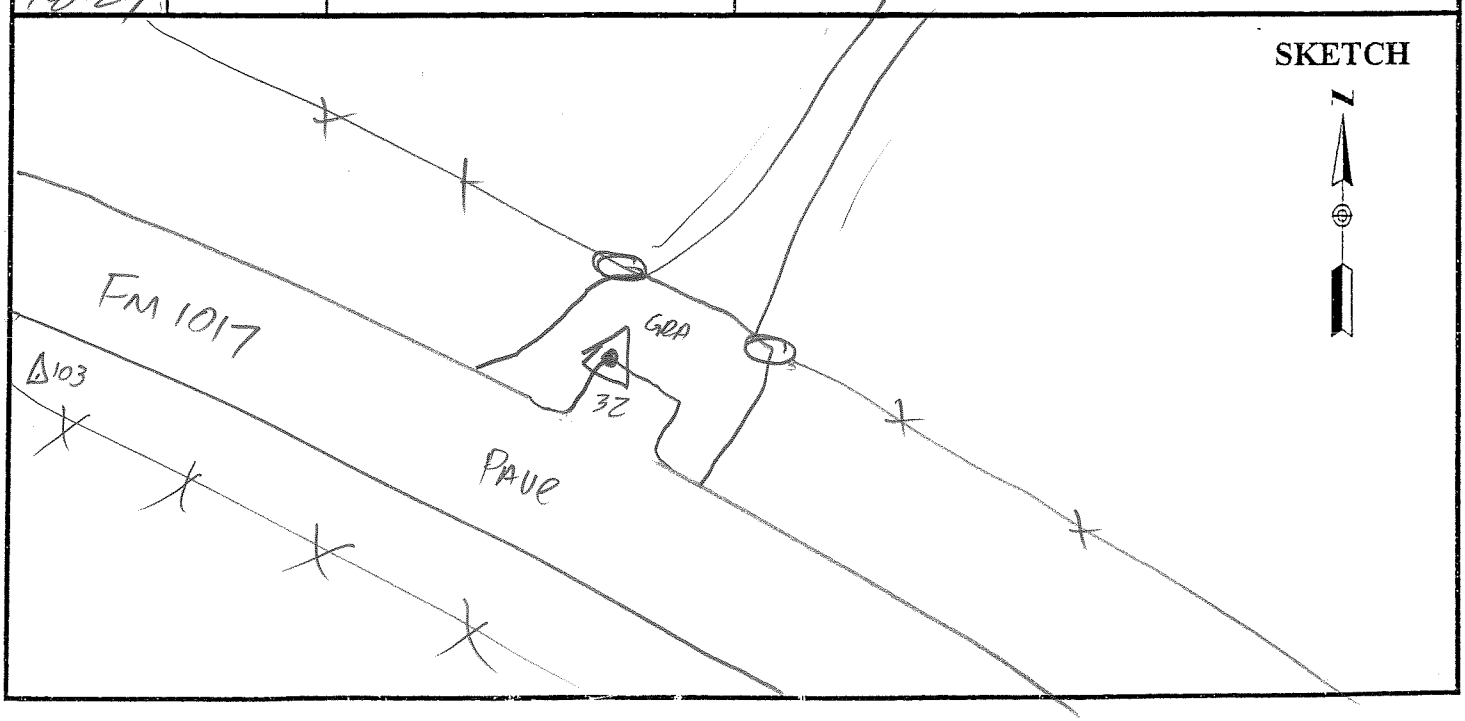
STATION DESCRIPTIONS NW COR END OF PAVEMENT @ ACCESS

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
12:02	3.4	7/7-7
12:29		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
PC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

1

HIDALGO

PROJECT 1101205
OPERATOR WJN
DATE 1/30/11

SITE NUMBER 2
SITE NAME 33

TRACKING TIMES (LOCAL) MEASURE CST

START 12:38

STOP 13:00

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: NO

HEIGHT READINGS MTS FT
1.322

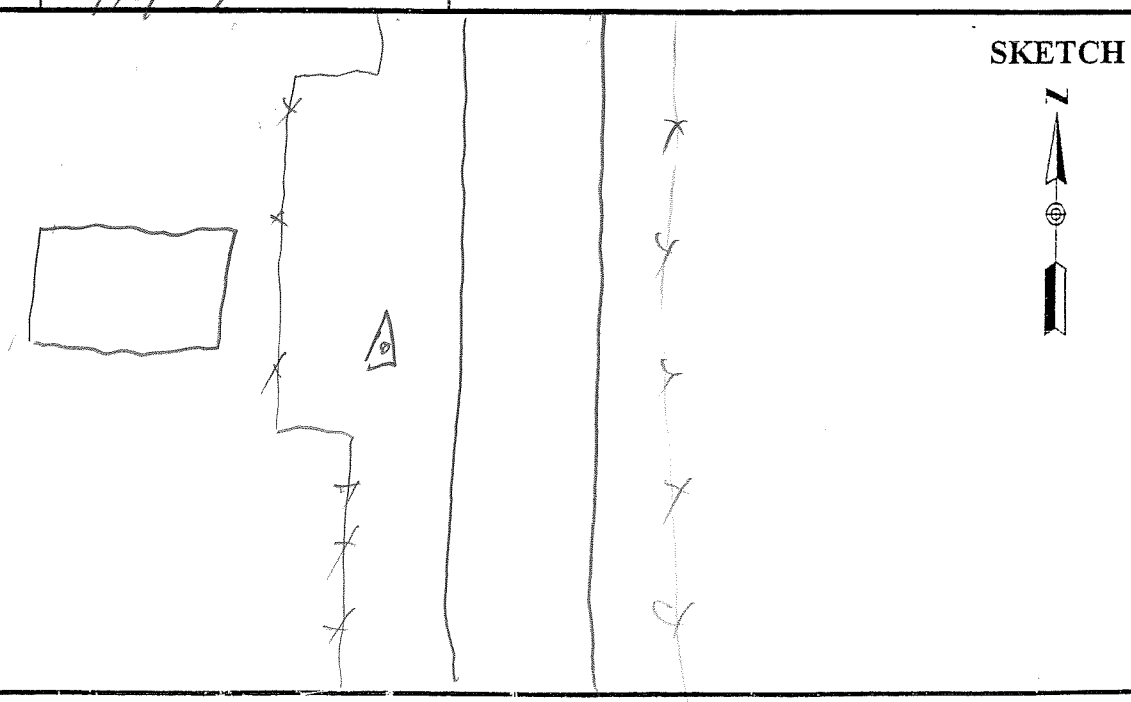
STATION DESCRIPTIONS POINT IN SHORT GRASS W OF RD OPP S EDGE BLG W.

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
18:38	1.9	9/9-9
19:00	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
PC

SKETCH



2

HIDALGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WJN
DATE 1/30/11

SITE NUMBER 3
SITE NAME 34

TRACKING TIMES (LOCAL) MEASURE CST

START 13:12
STOP 13:34

SENSOR TYPE (500) 9500 399 299
MEMORY CARD
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 (0.360)

HEIGHT READINGS MTS 1.350 FT

OBSTRUCTIONS: TREES SW, NW

STATION DESCRIPTIONS POINT IN WEEDS IN W/RW DPP CLEARING W.

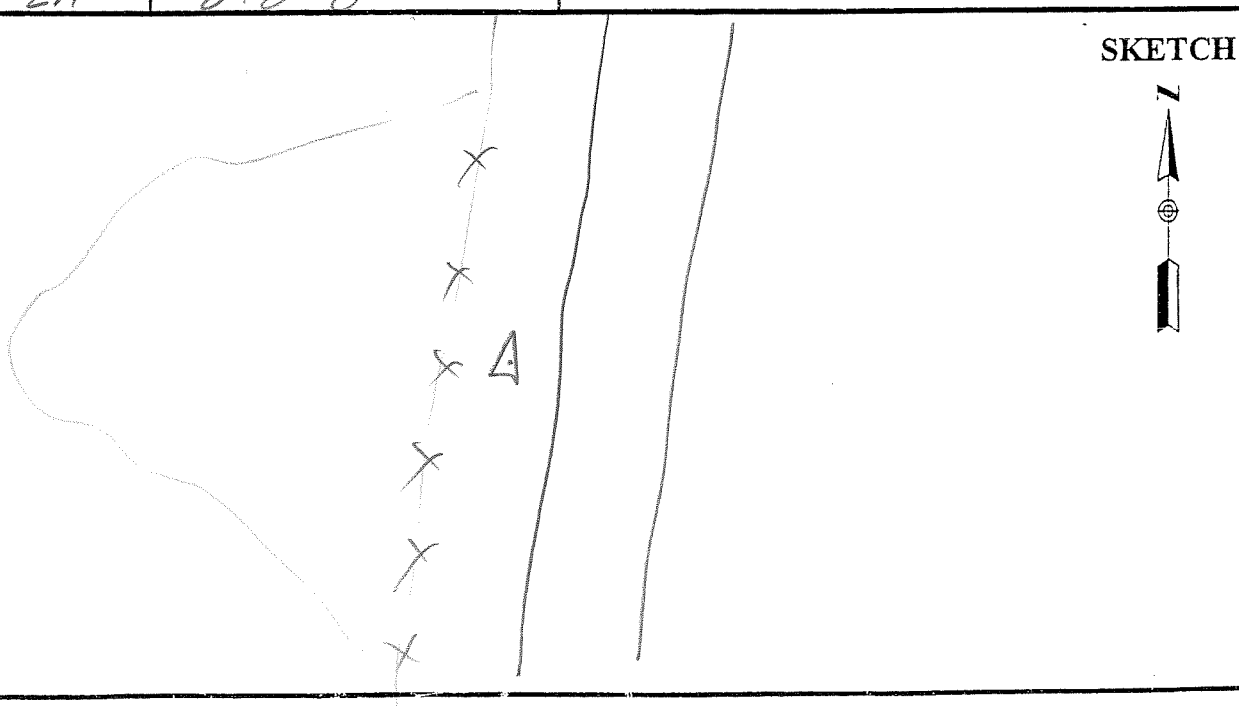
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
19:12	2.2	8/8-8
19:34	2.1	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

PC becoming MC

SKETCH



HIDALGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

1

PROJECT 1101205
OPERATOR WIN
DATE 1/30/11

SITE NUMBER 4
SITE NAME 35

TRACKING TIMES (LOCAL) MEASURE CST

START 13:46
STOP 14:04

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 (0.360)

HEIGHT READINGS MTS 1.374 FT

OBSTRUCTIONS: NO

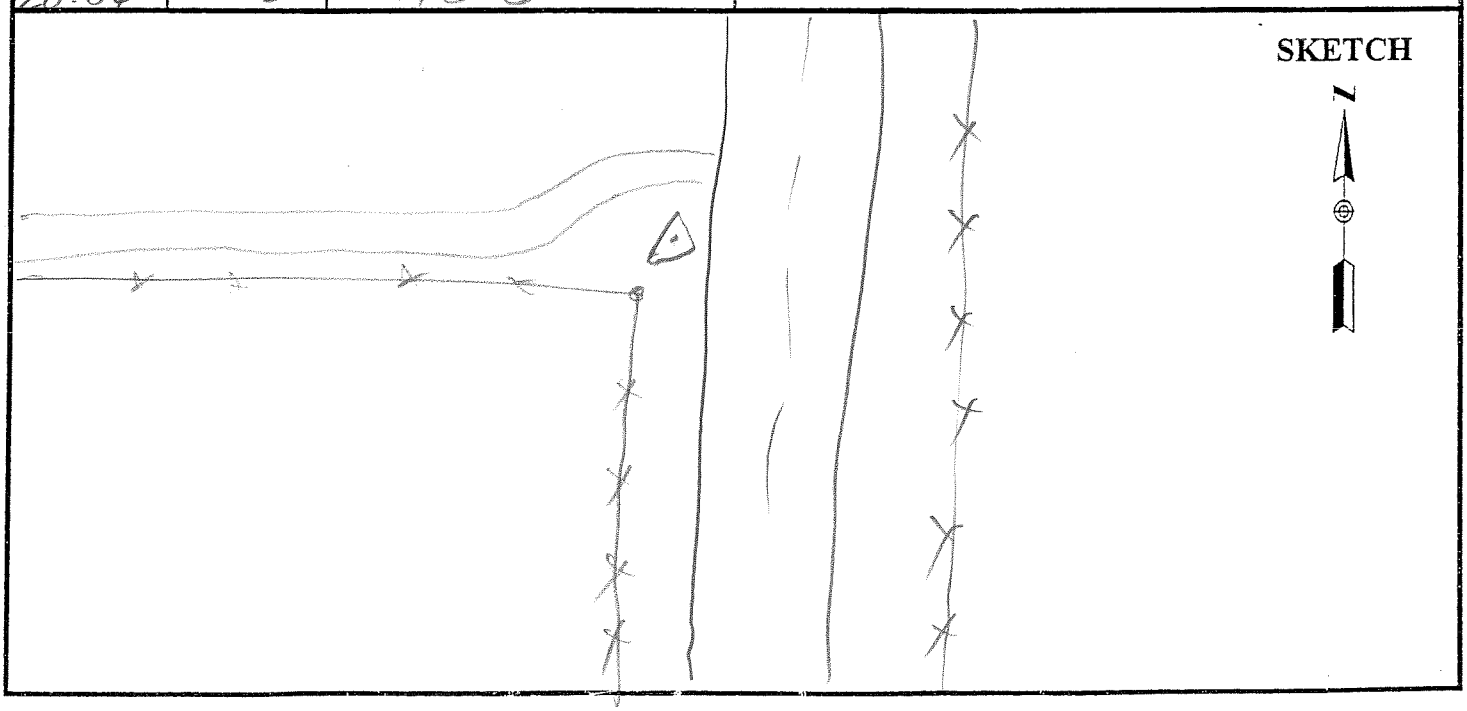
STATION DESCRIPTIONS POINT IN SHORT GRASS OPP & 2 TRACK W AND Between FENCE COR AND ACCESS ENT

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
19:46	2.2	8/8-8
20:04	2.2	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

2

PROJECT 1101205
OPERATOR WJN
DATE 1/30/11

SITE NUMBER 5
SITE NAME 36

TRACKING TIMES (LOCAL) MEASURE CST

START 14:13
STOP 14:32

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	(0.360)

HEIGHT READINGS

MTS	FT
1.301	

OBSTRUCTIONS: NO

STATION DESCRIPTIONS POINT IN LONG GRASS IN R/W OPP DR: E

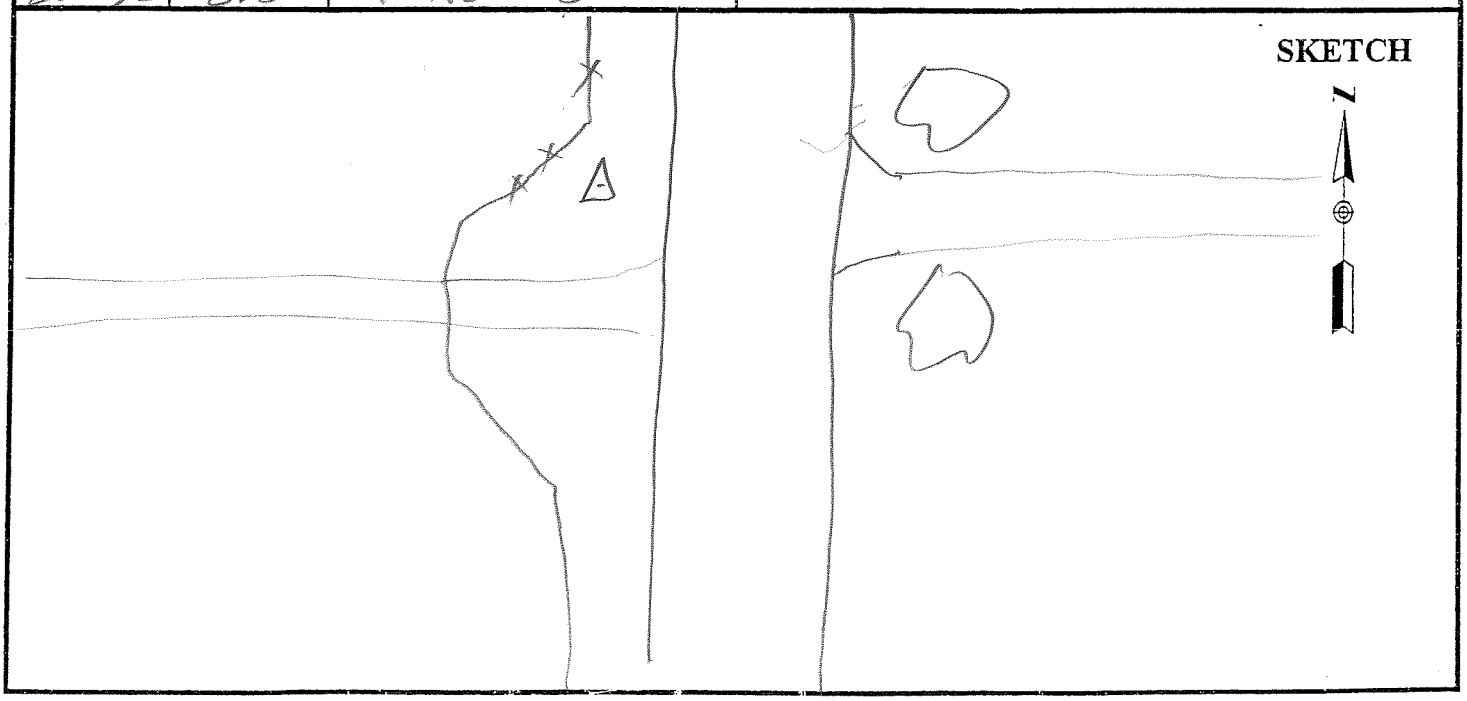
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
20:13	2.6	8/8-10
20:32	2.0	10/10-10

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC

SKETCH



HIDALGO

5

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WJN
DATE 1/30/11

SITE NUMBER 6
SITE NAME 37

TRACKING TIMES (LOCAL) MEASURE CST
START 14:44
STOP 15:07

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 (0.360)

OBSTRUCTIONS: NO

HEIGHT READINGS MTS FT
1.321

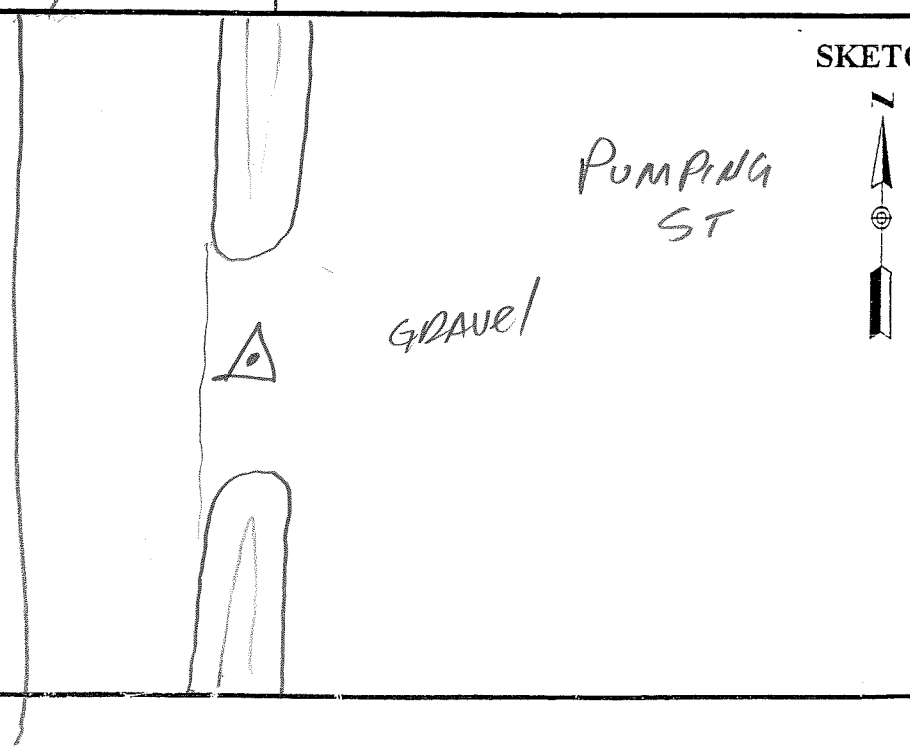
STATION DESCRIPTIONS ℄ ENT TO PUMPING STA. OP DITCH N-S

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
20:44	2.2	8/8-8
21:07	2.0	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO BASO

PROJECT 1101 205
OPERATOR UWN
DATE 1/31/11

SITE NUMBER 1
SITE NAME 102

TRACKING TIMES (LOCAL) MEASURE CST
START 10:12
STOP 4:54

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 11
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 (0.360)

OBSTRUCTIONS: NO

HEIGHT READINGS MTS FT
1.210

1.570

STATION DESCRIPTIONS Rebar and Cap Set 1/25/11

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
16:12	2.4	8/9-8
22:54 → POWERED OFF INVOL.		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
FOG

SKETCH

AS PREVIOUSLY DESCRIBED

N

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

BASE

PROJECT 101205
OPERATOR WJN
DATE 1/31/11

SITE NUMBER 1
SITE NAME 103

TRACKING TIMES (LOCAL) MEASURE CST

START 10:48
STOP 17:23

SENSOR TYPE 500 9500 399 299
MEMORY CARD 67
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

OBSTRUCTIONS: NO

HEIGHT READINGS

MTS	FT
1.124	

1.565

STATION DESCRIPTIONS Rebar and CAP set 1/25/11

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
16:48	2.0	9/9-9
23:23	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

FOG CLEARING

AS PREVIOUSLY DESCRIBED

SKETCH

1

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT 1101205
OPERATOR WJN
DATE 1/31/11

SITE NUMBER 1
SITE NAME 38

TRACKING TIMES (LOCAL) MEASURE CST

START 10:56

STOP 11:26

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 (0.360)

HEIGHT READINGS MTS 1.308 FT

OBSTRUCTIONS: TREES S.

STATION DESCRIPTIONS POINT IN SHORT GRASS, SPARCE, IN R/W BETWEEN E.O.P AND R/W FENCE

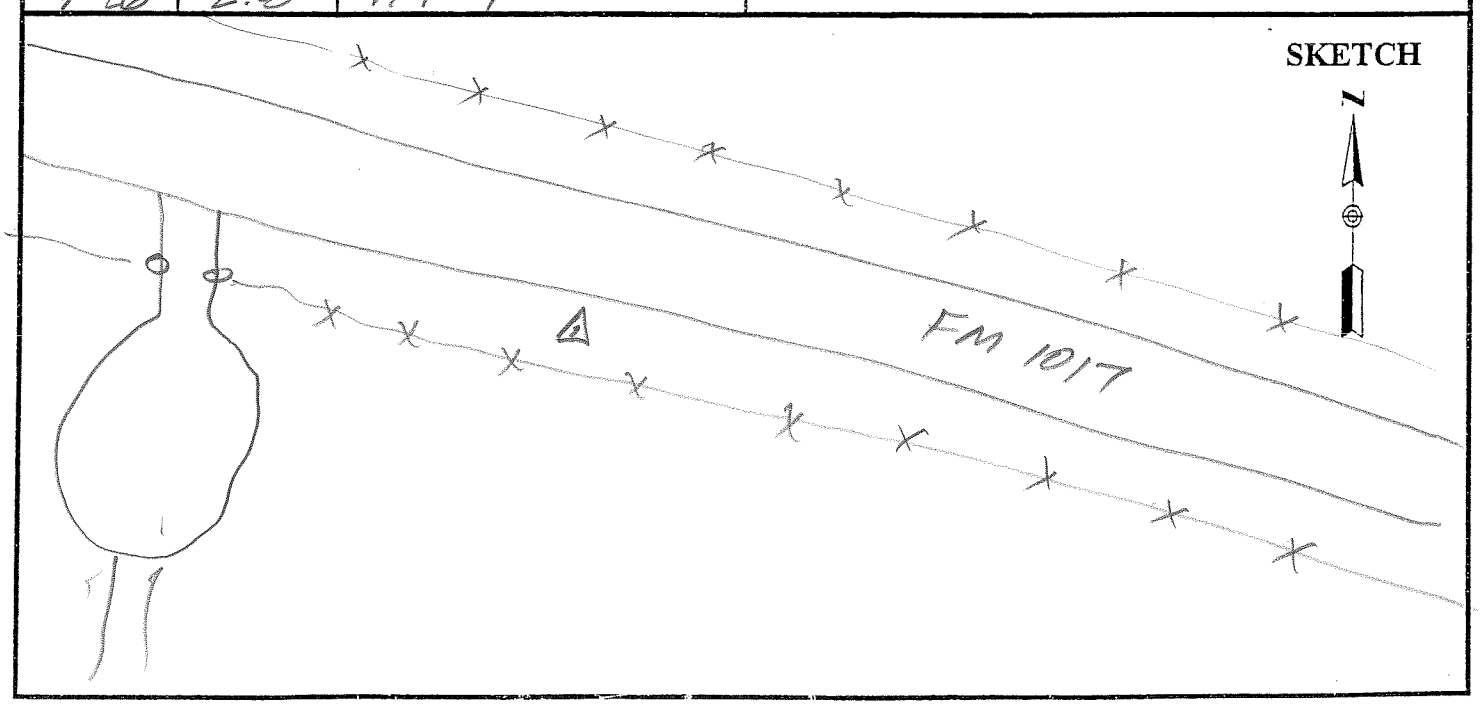
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
16:56	2.1	9/9-9
17:26	2.8	7/7-7

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC

SKETCH



2

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT 1101205
OPERATOR WNN
DATE

SITE NUMBER 2
SITE NAME 39

TRACKING TIMES (LOCAL) MEASURE CST

START 11:37
STOP 12:02

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

HEIGHT READINGS MTS FT
1.304

OBSTRUCTIONS: TRAFFIC

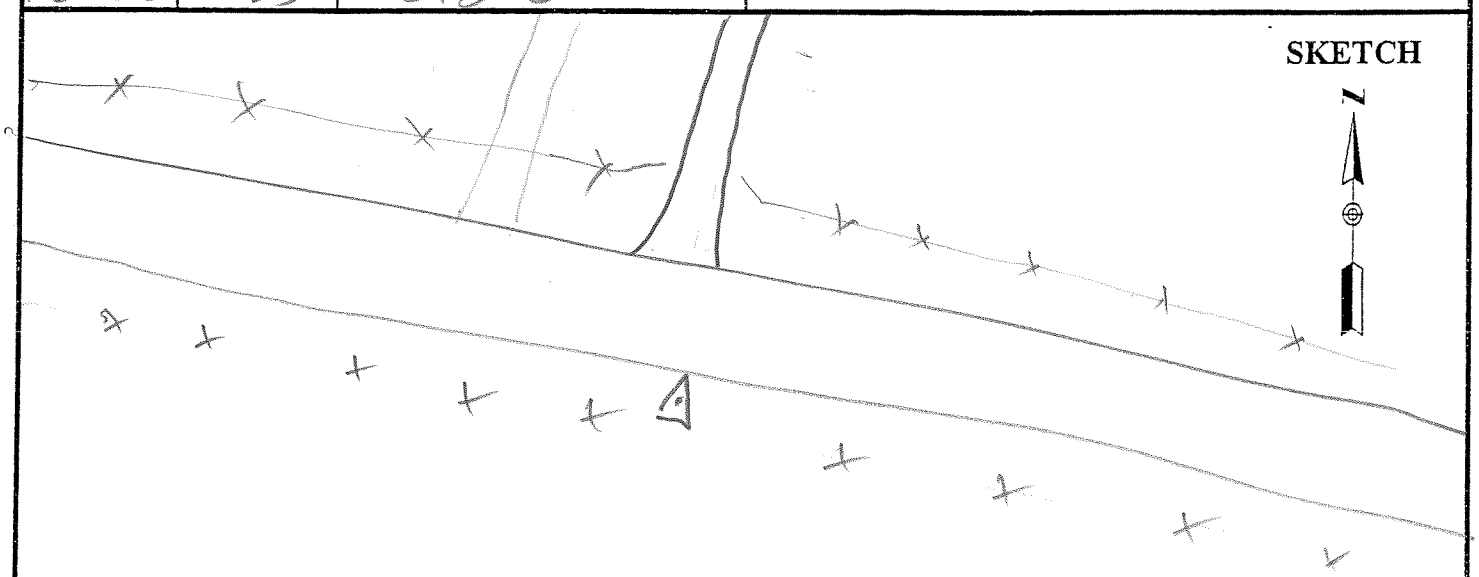
STATION DESCRIPTIONS POINT IN LONG GRASS BETWEEN E.O.P. AND S. R/W FENCE OPP E. EAGLE DR. N.

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
17:37	2.1	8/8-8
18:02	2.3	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC becoming WINDY

SKETCH



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AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT 1101205
OPERATOR WVN
DATE 1/31/11

SITE NUMBER 3
SITE NAME 40

TRACKING TIMES (LOCAL) MEASURE CST

START 12:22
STOP 12:47

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

HEIGHT READINGS MTS FT
1.347

OBSTRUCTIONS: NO

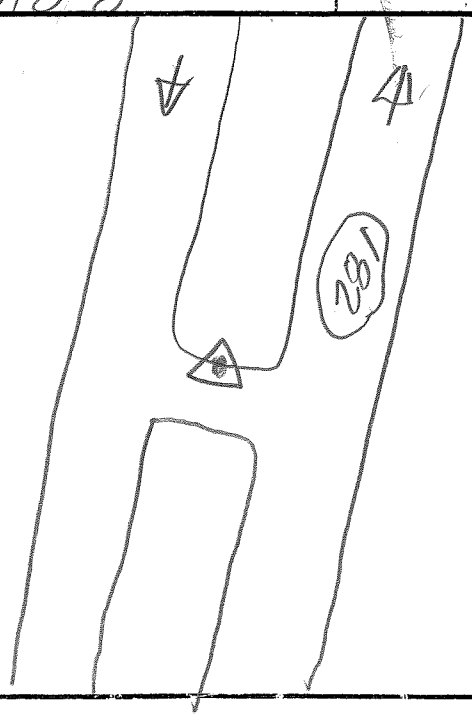
STATION DESCRIPTIONS POINT @ N EDGE PAVED TURN AROUND @ ℄ MEDIAN

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
18:22	2.1	8/8-8
18:47	2.3	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKETCH



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2

HIDALGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WWN
DATE 1/31/11

SITE NUMBER 4
SITE NAME 41

TRACKING TIMES (LOCAL) MEASURE CST

START 12:57
STOP 13:22

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 (0.360)

HEIGHT READINGS MTS FT
1.280

OBSTRUCTIONS: TREE S

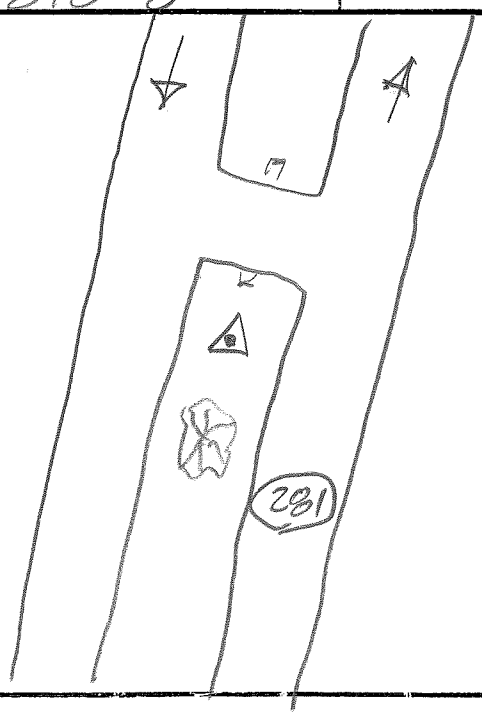
STATION DESCRIPTIONS POINT IN LONG GRASS IN ℄ MEDIAN BETWEEN TREE S. AND S. EDGE TURNAROUND N.

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
18:57	2.1	9/9-9
19:22	2.4	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC

SKETCH



1

HIDALGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WJN
DATE 1/31/11

SITE NUMBER 5
SITE NAME 42

TRACKING TIMES (LOCAL) MEASURE CST

START 13:30

STOP 13:56

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

HEIGHT READINGS MTS FT
1.285

OBSTRUCTIONS: TRAFFIC
(LOWER IN BOWL OF MEDIAN)

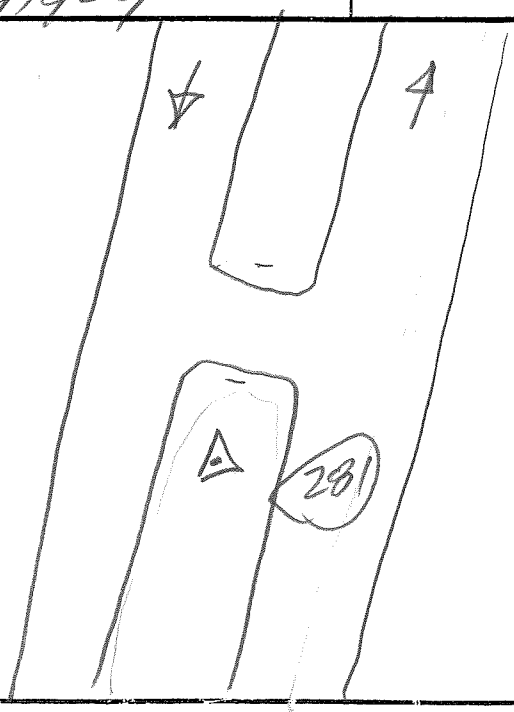
STATION DESCRIPTIONS POINT IN SHORTER GRASS / BARE EARTH MIX IN ℄ MEDIAN

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
19:30	2.1	9/9-9
19:56	2.0	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

1

PROJECT	1101205	SITE NUMBER	6
OPERATOR	WJN	SITE NAME	43
DATE	1/31/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 14:04

STOP 14:34

SENSOR TYPE 500 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT		
	299/399	0.441
	399E/9500	0.389
	500	0.360

OBSTRUCTIONS: N

HEIGHT READINGS	MTS	FT
	1.313	
	1.673	

STATION DESCRIPTIONS S. EDGE TURNAROUND @ ℄ MEDIAN

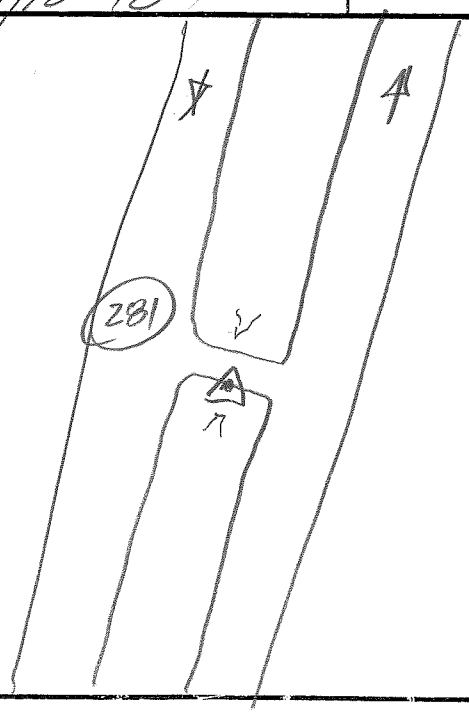
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
20:04	2.0	10/10-10
20:34	1.9	10/10-10

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC

SKETCH



2

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT 1101205
OPERATOR WWN
DATE 1/31/11

SITE NUMBER 7
SITE NAME 44

TRACKING TIMES (LOCAL) MEASURE CST

START 14:41

STOP 15:15

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 (0.360)

HEIGHT READINGS MTS FT
1.305

OBSTRUCTIONS: NO

STATION DESCRIPTIONS POINT IN LONG GRASS BETWEEN E R/W FENCE AND E EDGE PVMNT

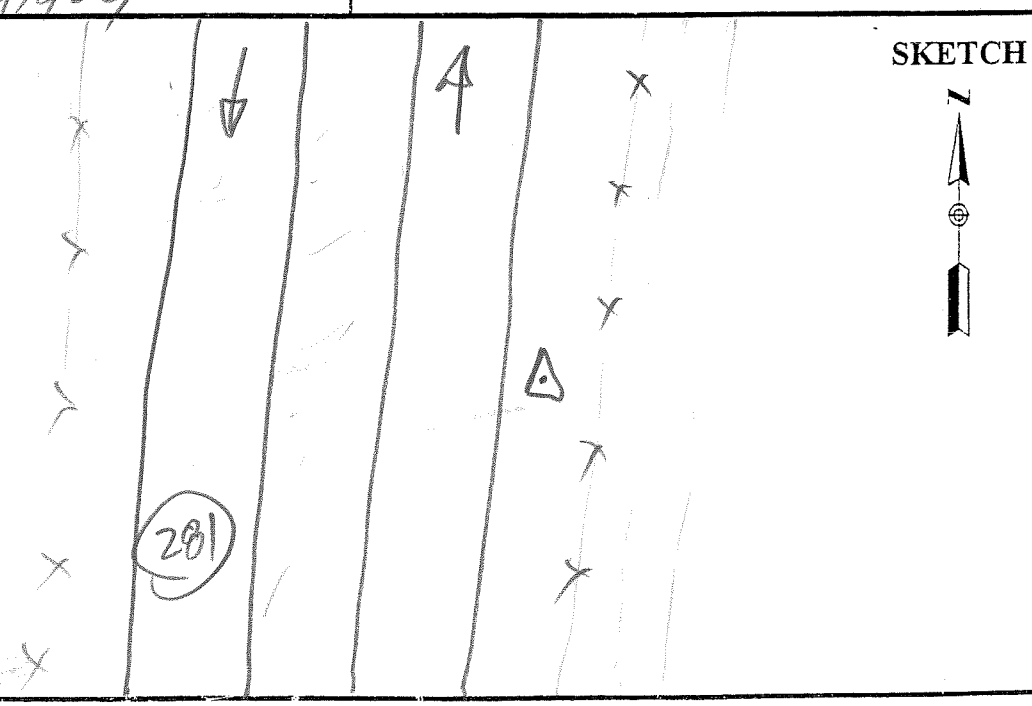
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
20:41	1.9	10/10-10
21:15	2.0	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC

SKETCH



HIDALGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

2

PROJECT 101205
OPERATOR WNN
DATE 1/31/11

SITE NUMBER 8
SITE NAME 45

TRACKING TIMES (LOCAL) MEASURE CST

START 15:23
STOP 16:00

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

HEIGHT READINGS MTS 1.264 FT

OBSTRUCTIONS: NO

STATION DESCRIPTIONS POINT IN LONG GRASS IN ℄ MEDIAN

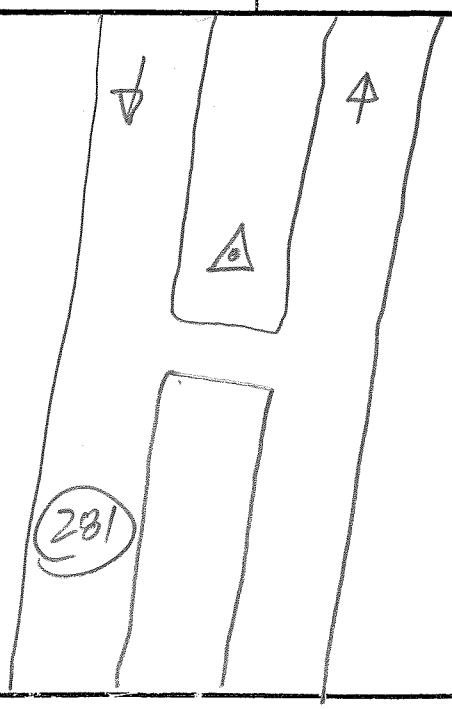
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
21:21	2.4	9/9-10
22:00		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC

SKETCH



5

HIDALGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 101205
OPERATOR WWN
DATE 1/31/11

SITE NUMBER 9
SITE NAME 46

TRACKING TIMES (LOCAL) MEASURE CST

START 16:08
STOP 16:48

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

HEIGHT READINGS

MTS	FT
1.346	

OBSTRUCTIONS:

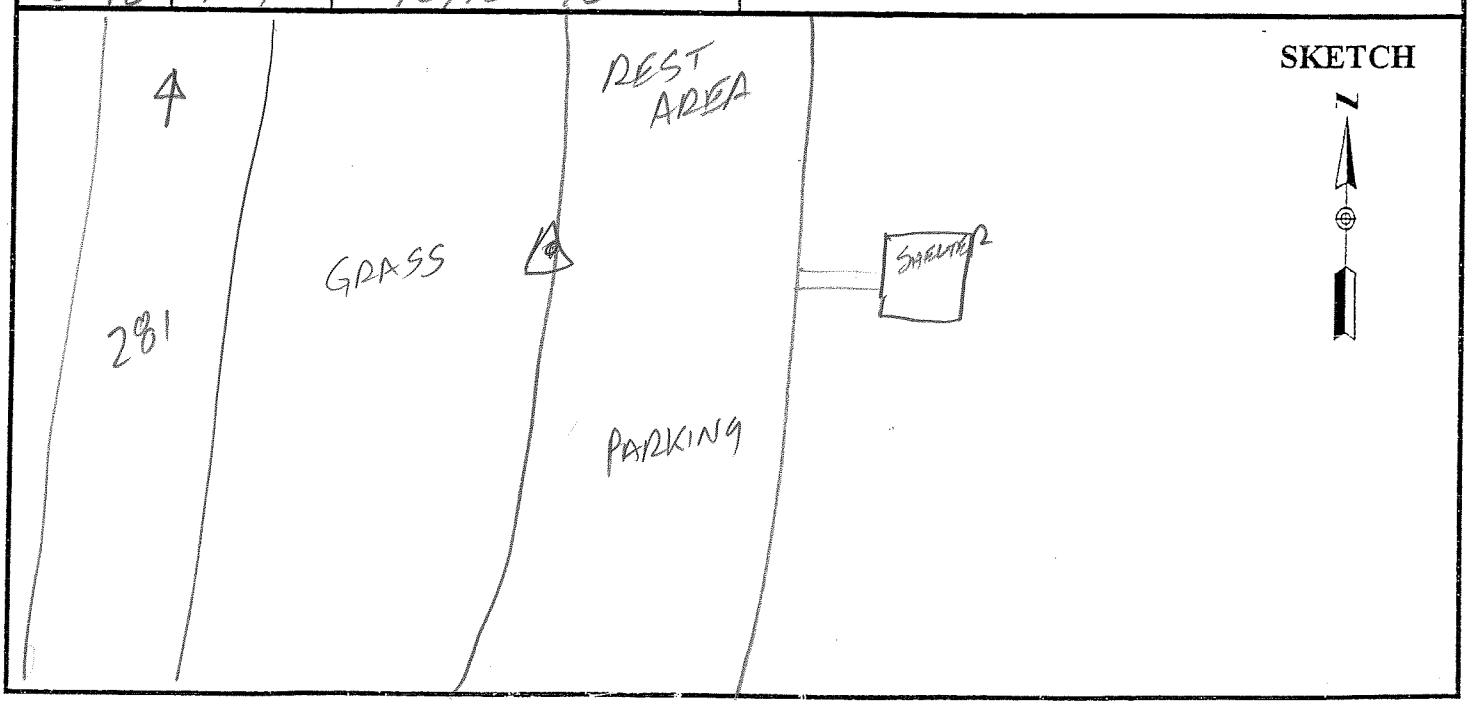
STATION DESCRIPTIONS W. EDGE PAVEMENT OPP N EDGE SHELTER N

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
22:08	2.1	10/10 - 10
22:48	1.9	10/10 - 10

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKETCH



HIDALGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

BASO

PROJECT 1101205
OPERATOR WYN
DATE 2/1/11
JULIAN DATE 32

SITE NUMBER 10
SITE NAME 102

TRACKING TIMES (LOCAL) MEASURE CST
START 9:01
STOP 15:35

SENSOR TYPE 500 9500 399 299
MEMORY CARD 11
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: NO

HEIGHT READINGS MTS FT
1.217

1.577

STATION DESCRIPTIONS Rebar and CAP SET 1/25/11

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
1501	3.9	7/7-7
2135	2.2	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC, Very Windy

AS PREVIOUSLY DESCRIBED

SKETCH

N

15 6

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

5

PROJECT 101205	SITE NUMBER 1
OPERATOR WJN	SITE NAME 47
DATE 2/1/11	

TRACKING TIMES (LOCAL) MEASURE CST	SENSOR TYPE 500 9500 399 299
START 9:28	MEMORY CARD 14
STOP 10:01	BATTERY NO.
	CONTROLLER NO.
	SENSOR NO.

SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	0.360

HEIGHT READINGS	MTS	FT
	1.380	

OBSTRUCTIONS: BUILDING N
TREES S.

STATION DESCRIPTIONS POINT IN
PARKING LOT

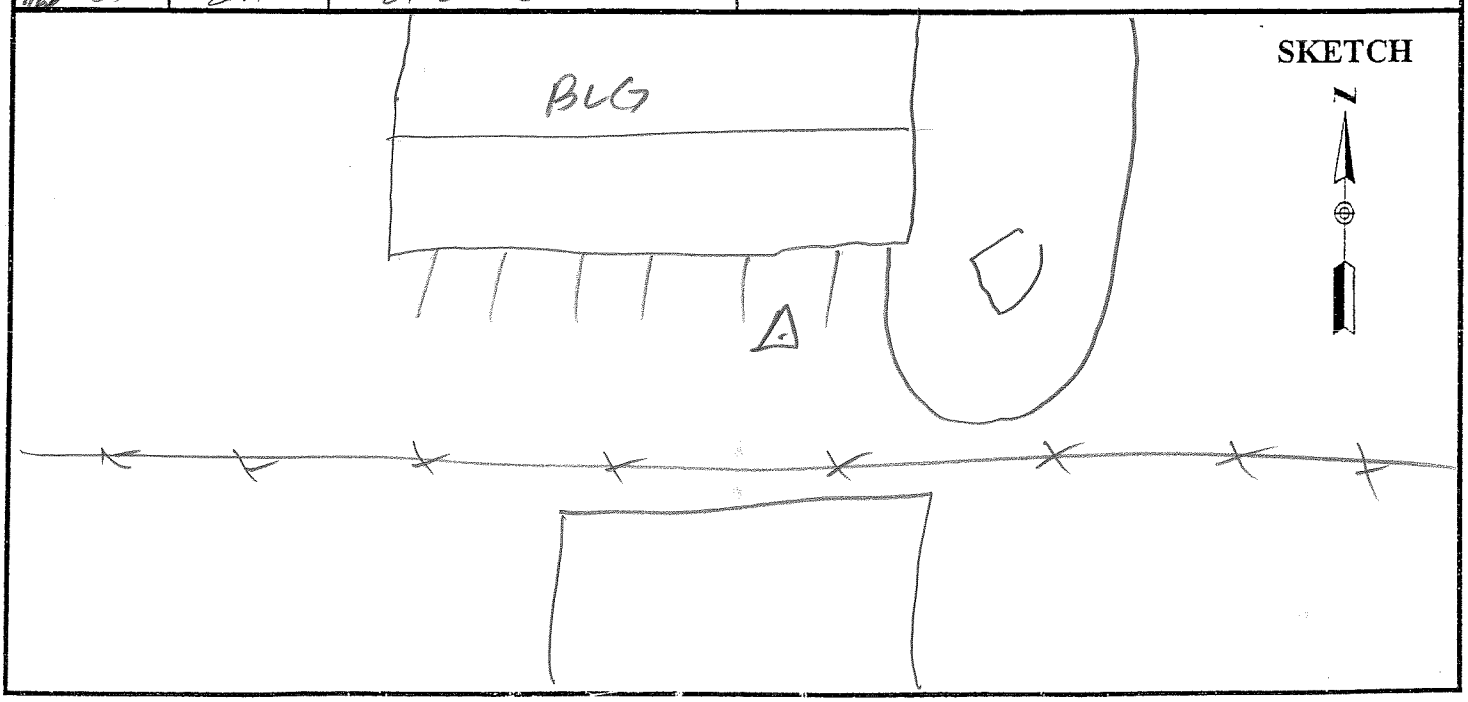
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
15:28	3.9	7/7-8
16:01	2.1	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC Very Wind

SKETCH



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AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT 1101205
OPERATOR WJN
DATE 2/1/11

SITE NUMBER 2
SITE NAME 48 / 48B

TRACKING TIMES (LOCAL) MEASURE CST
START 10:14
STOP 10:56

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: NO

48

HEIGHT READINGS MTS FT
1.286

STATION DESCRIPTIONS POINT IN SHORT GRASS ±15' S OF T.B.O.C. AND OPP E END DITCH N.

48B: ℄ ℄ pavement

28

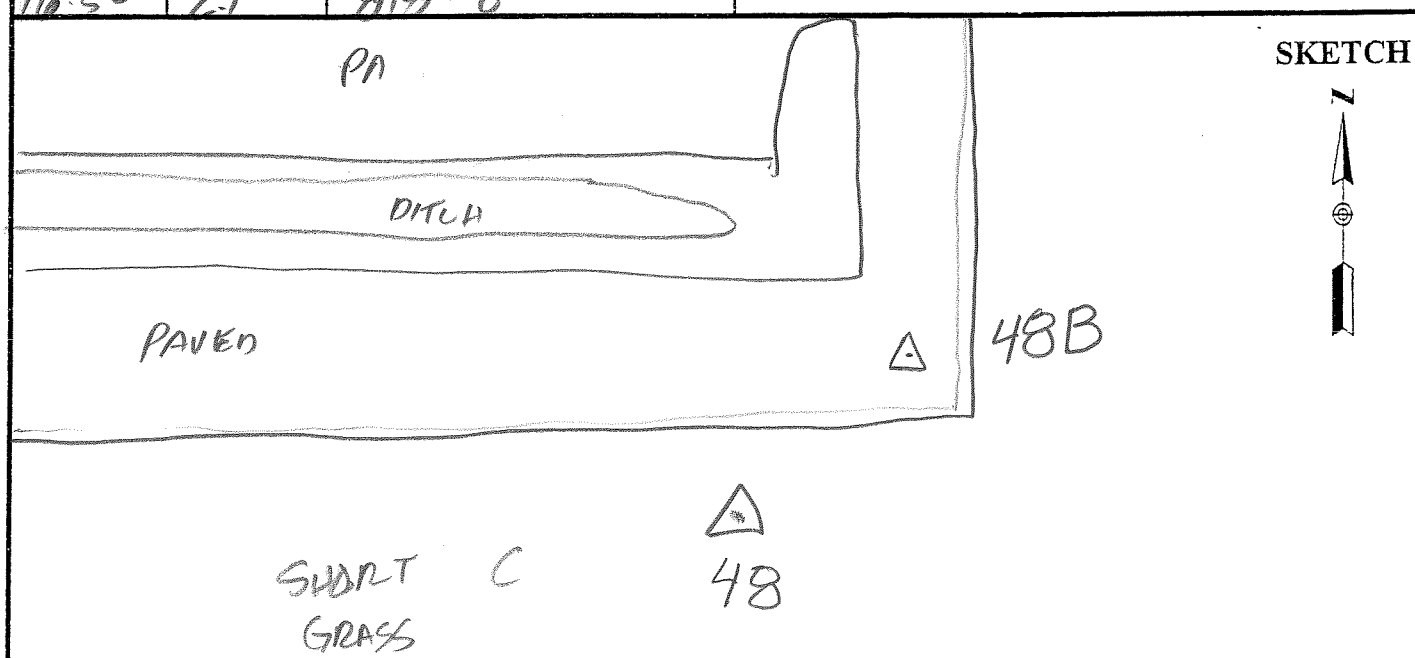
5

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
16:14	2.1	8 18-8
16:56	2.1	8 18-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC

SKETCH



1.273

2

HIDALGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WJN
DATE 2/1/11

SITE NUMBER 3
SITE NAME 49 / 49B

TRACKING TIMES (LOCAL) MEASURE CST
START 11:10
STOP 11:37

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

HEIGHT READINGS MTS 1.281 FT

OBSTRUCTIONS: NO

(49)

STATION DESCRIPTIONS POINT 4 METAES E OF E EDGE CIRCLE, IN LONG GRASS, OPP 2 STREET W

49B: center of cul-de-sac

5

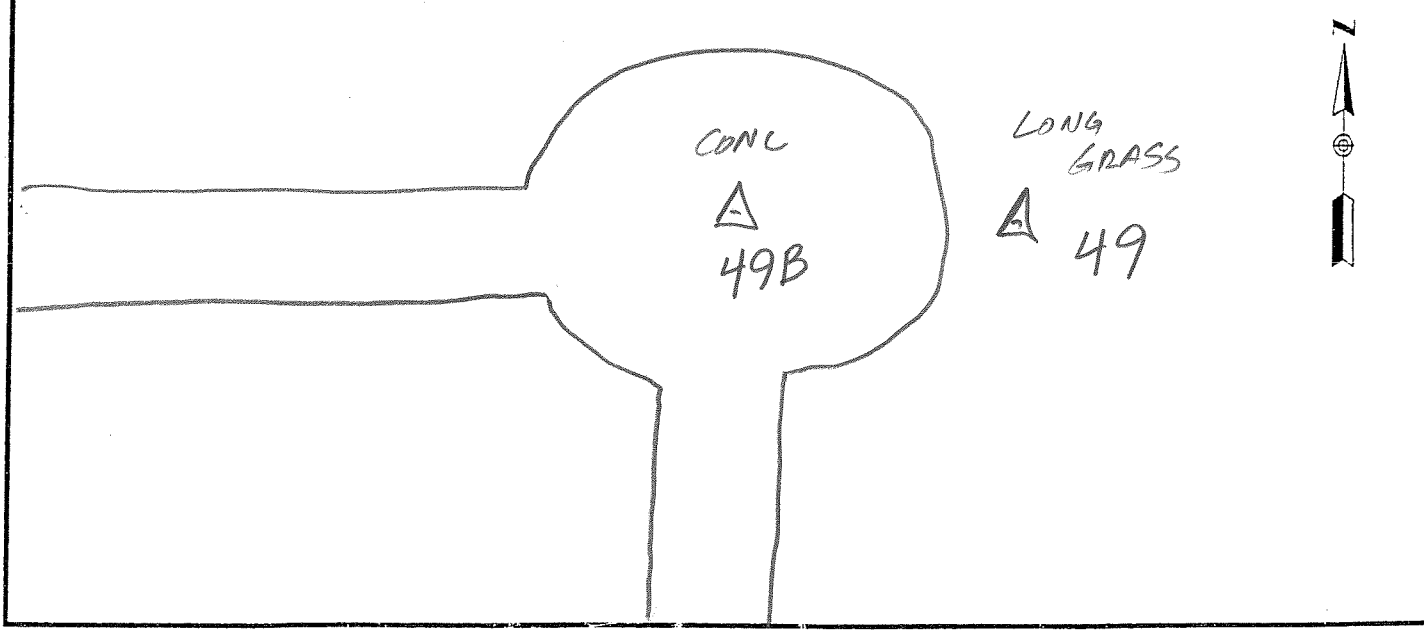
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
17:10	2.2	9/9-9
17:37	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC, Very WINDY

SKETCH



1.290

1

HIDALGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WWN
DATE 2/1/11

SITE NUMBER 4
SITE NAME 50

TRACKING TIMES (LOCAL) MEASURE CST

START 11:56

STOP 12:22

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: PPLS S, E
OH POWER LINES

HEIGHT READINGS MTS FT
1.350

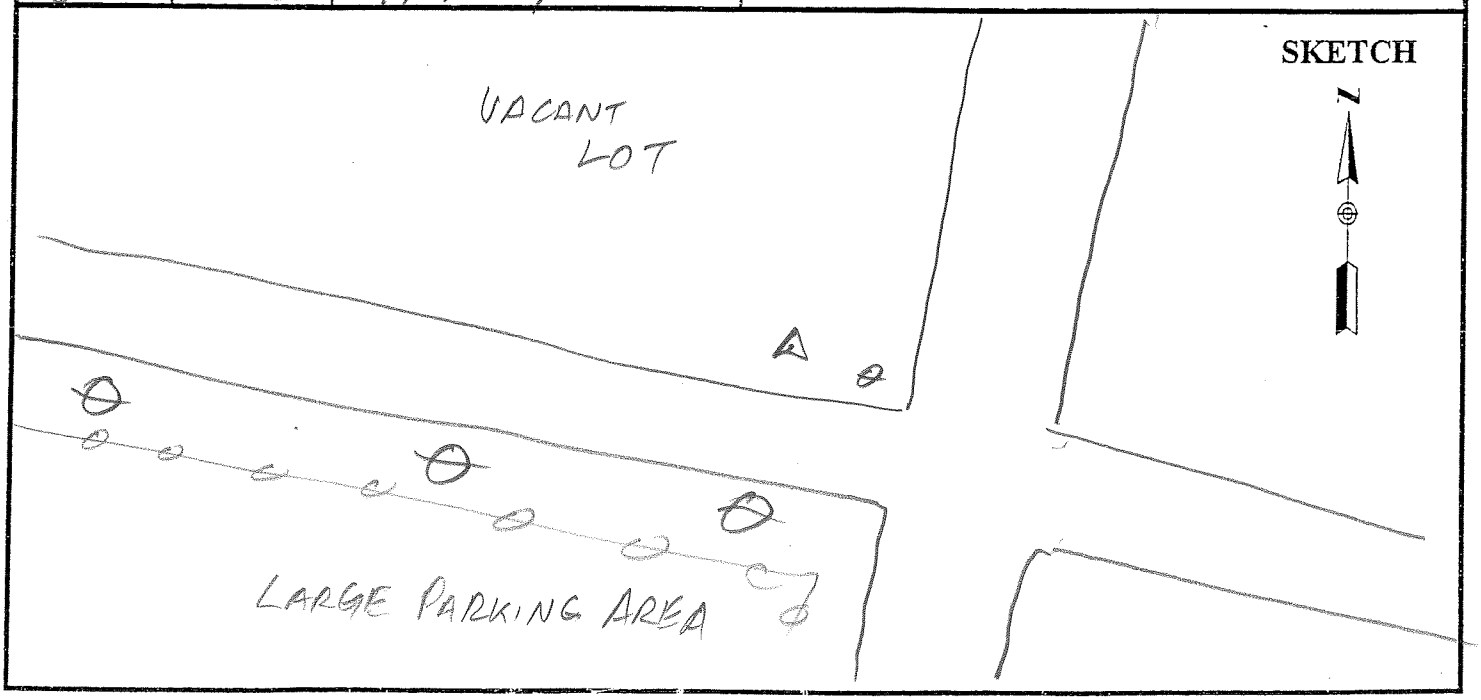
STATION DESCRIPTIONS POINT IN
SHORT GRASS IN
N. R/W

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
17:56	3.3	6/6-7
18:22	2.8	7/7-7

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
VERY WINDY

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

1

HIDALGO

PROJECT 1101205
OPERATOR MWN
DATE 2/1/11

SITE NUMBER 5
SITE NAME 51

TRACKING TIMES (LOCAL) MEASURE CST
START 12:35
STOP 12:59

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

HEIGHT READINGS MTS 1.290 FT

OBSTRUCTIONS: Alt. POWER LINES

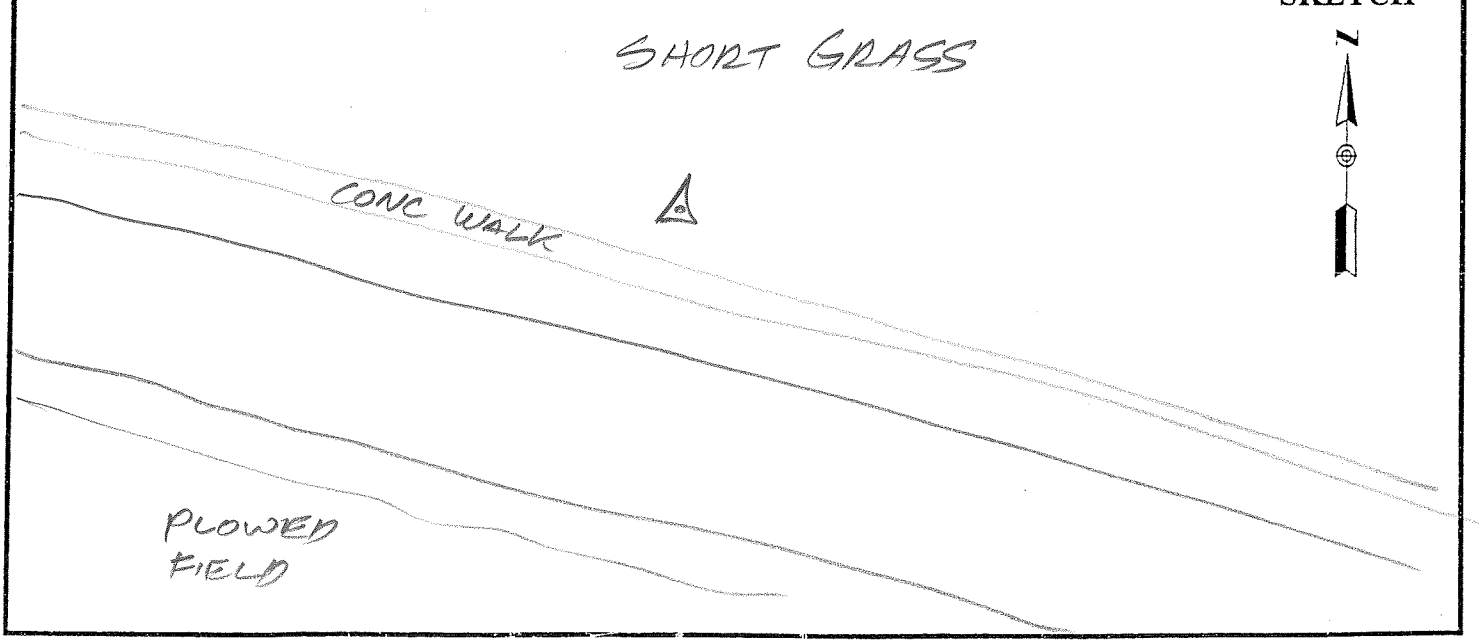
STATION DESCRIPTIONS POINT IN SHORT GRASS 6' N. OF N. EDGE WALK

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
18:35	2.2	7/7-7
18:59	2.1	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
VERY WINDY

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

2

PROJECT 1101205
OPERATOR WJN
DATE 2/1/11

SITE NUMBER 6
SITE NAME 52

TRACKING TIMES (LOCAL) MEASURE CST

START 13:14
STOP 13:35

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 (0.360)

HEIGHT READINGS MTS 1.272 FT

OBSTRUCTIONS: NO

STATION DESCRIPTIONS POINT IN LONG GRASS 10' S. OF S. EOP OPP & CONC DR. N.

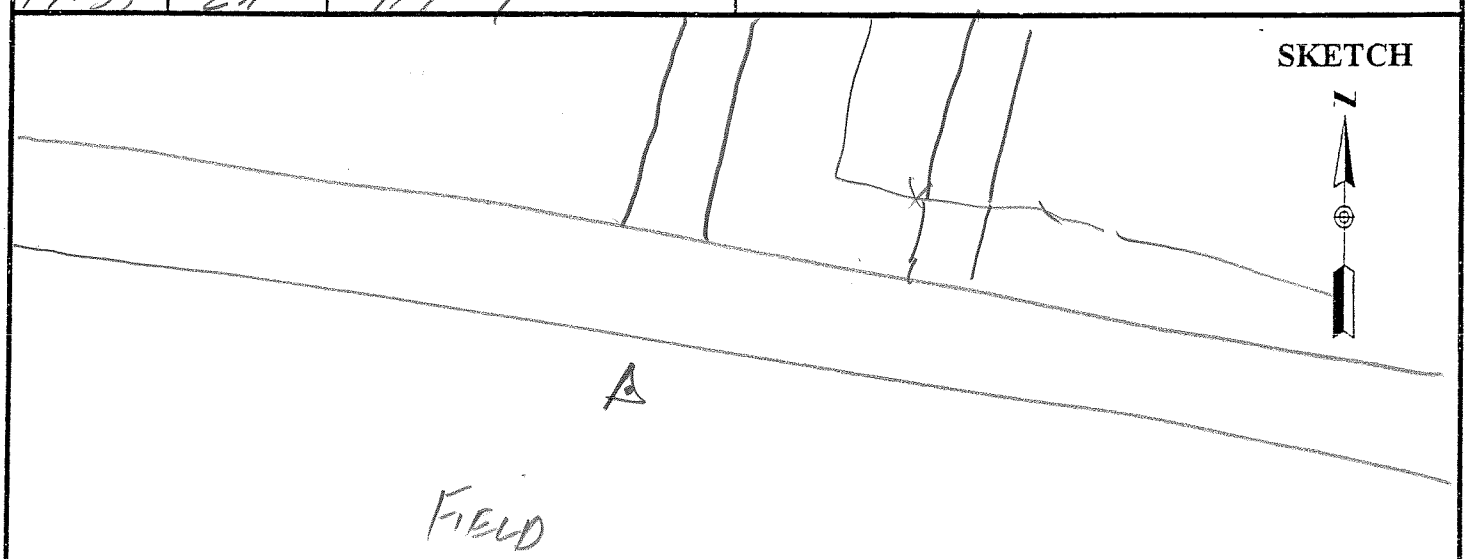
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
19:14	2.1	9/9-9
19:35	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

WINDY

SKETCH



5

HIDALGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WNN
DATE 2/1/11

SITE NUMBER 7
SITE NAME 53

TRACKING TIMES (LOCAL) MEASURE CST
START 14:00
STOP 14:21

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: PAL E.

HEIGHT READINGS MTS 1.357 FT

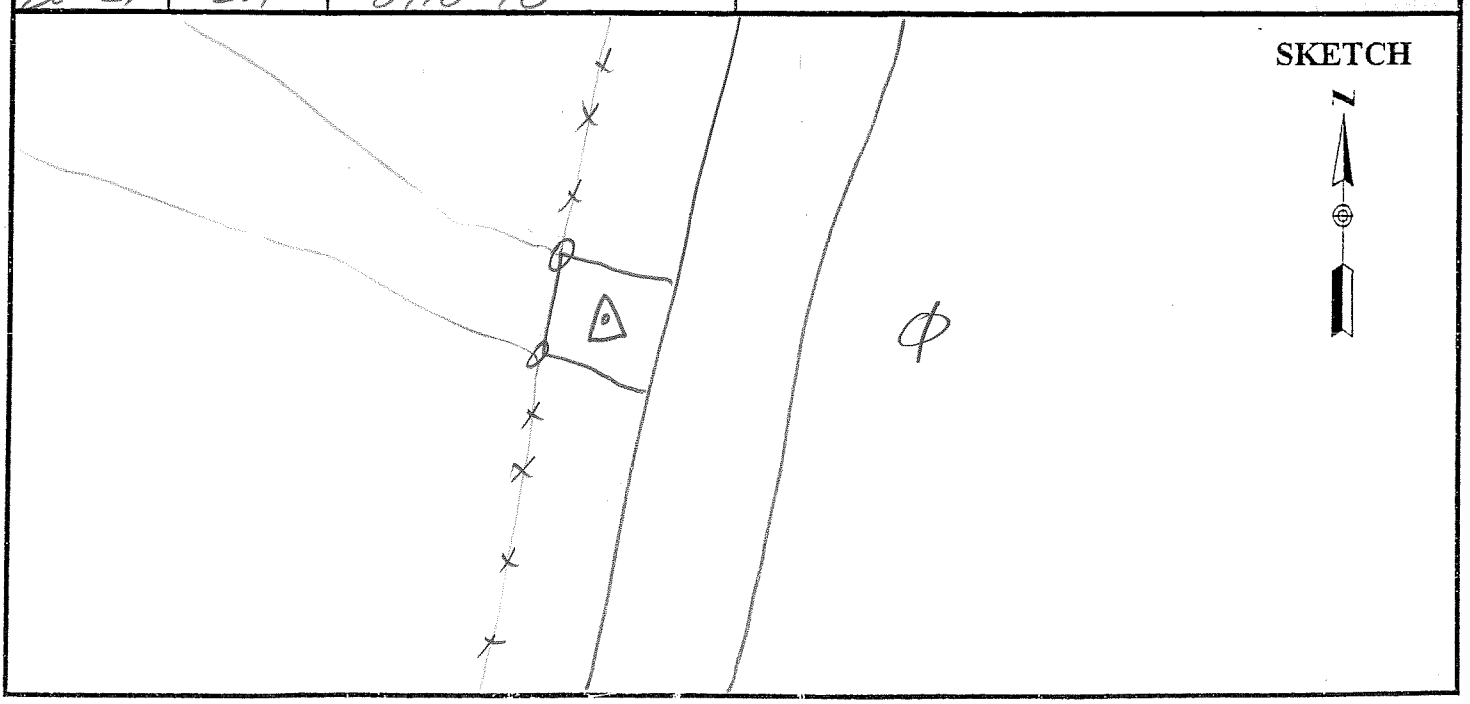
STATION DESCRIPTIONS POINT IN CENTER OF PAVED Approach

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
20:00	2.2	10/10-10
20:21	2.1	10/10-10

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
WINDY

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

1

PROJECT 1101205
OPERATOR WNN
DATE 2/1/11

SITE NUMBER 8
SITE NAME 54

TRACKING TIMES (LOCAL) MEASURE CST

START 14:34
STOP 14:56

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

HEIGHT READINGS

MTS	FT
1.309	

OBSTRUCTIONS: OH Power lines

STATION DESCRIPTIONS POINT IN SHORT GRASS IN S. R/W

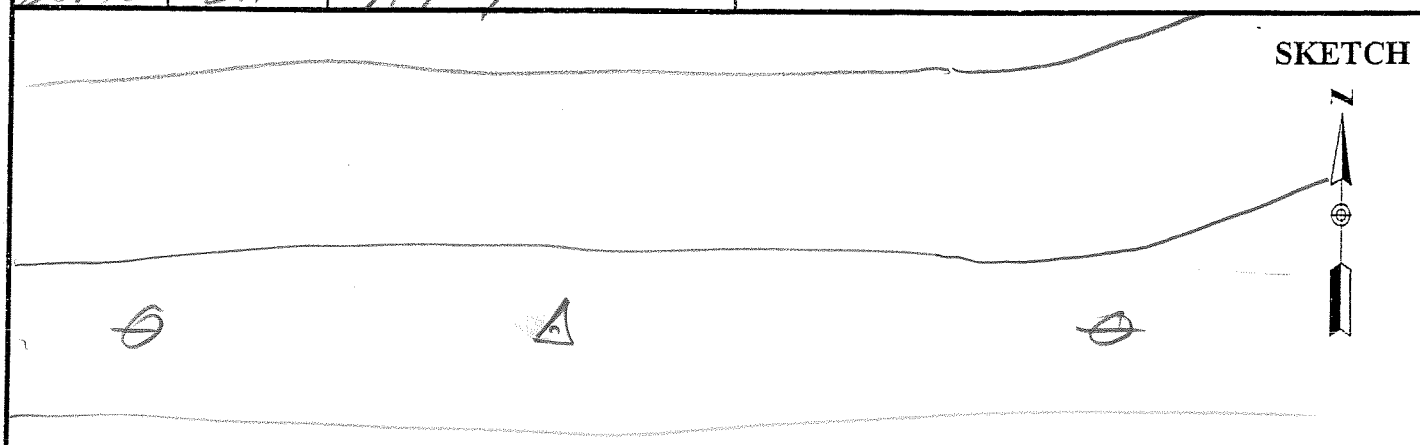
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
20:34	2.3	10/10-10
20:56	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

WINDY

SKETCH



5

HIDALGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WJN
DATE 2/1/11

SITE NUMBER 1
SITE NAME SS

TRACKING TIMES (LOCAL) MEASURE 1SS
START 10:28
STOP 10:57

SENSOR TYPE (500) 9500 399 299
MEMORY CARD
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	(0.360)

HEIGHT READINGS

MTS	FT
1.273	

OBSTRUCTIONS:

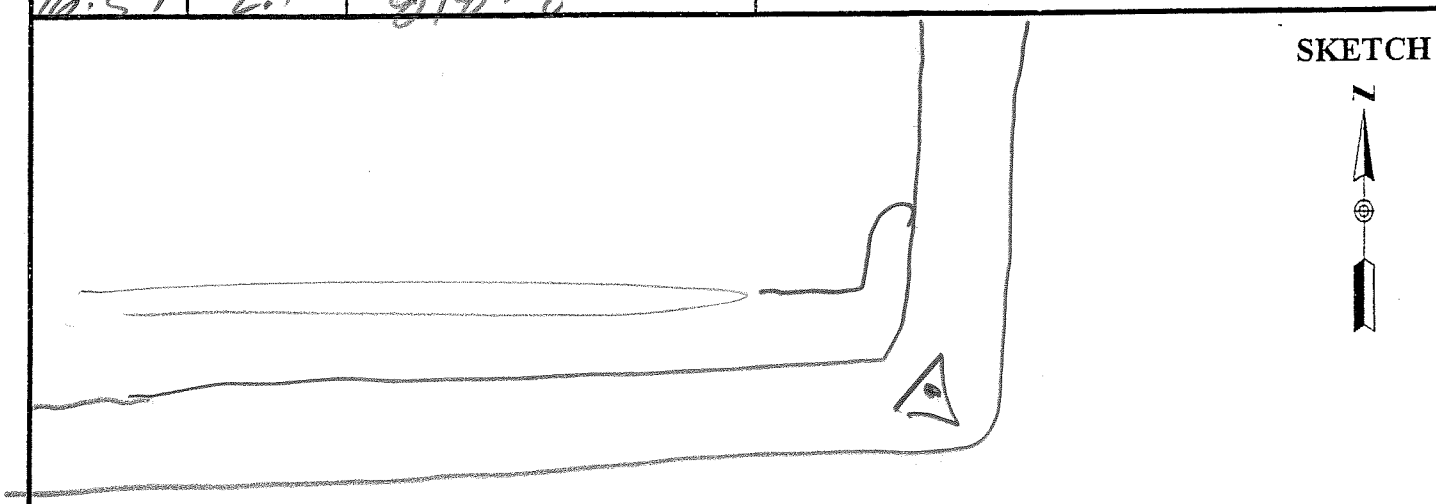
STATION DESCRIPTIONS EE INT
RDS E-N

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
16:28	2.1	8/19-8
16:57	2.1	8/19-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKETCH



5

HIDALGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WJW
DATE 2/1/11

SITE NUMBER 2
SITE NAME 56

TRACKING TIMES (LOCAL) MEASURE CST
START 11:14
STOP 11:41

SENSOR TYPE (500) 9500 399 299
MEMORY CARD
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

HEIGHT READINGS

MTS	FT
1.296	

OBSTRUCTIONS: NO

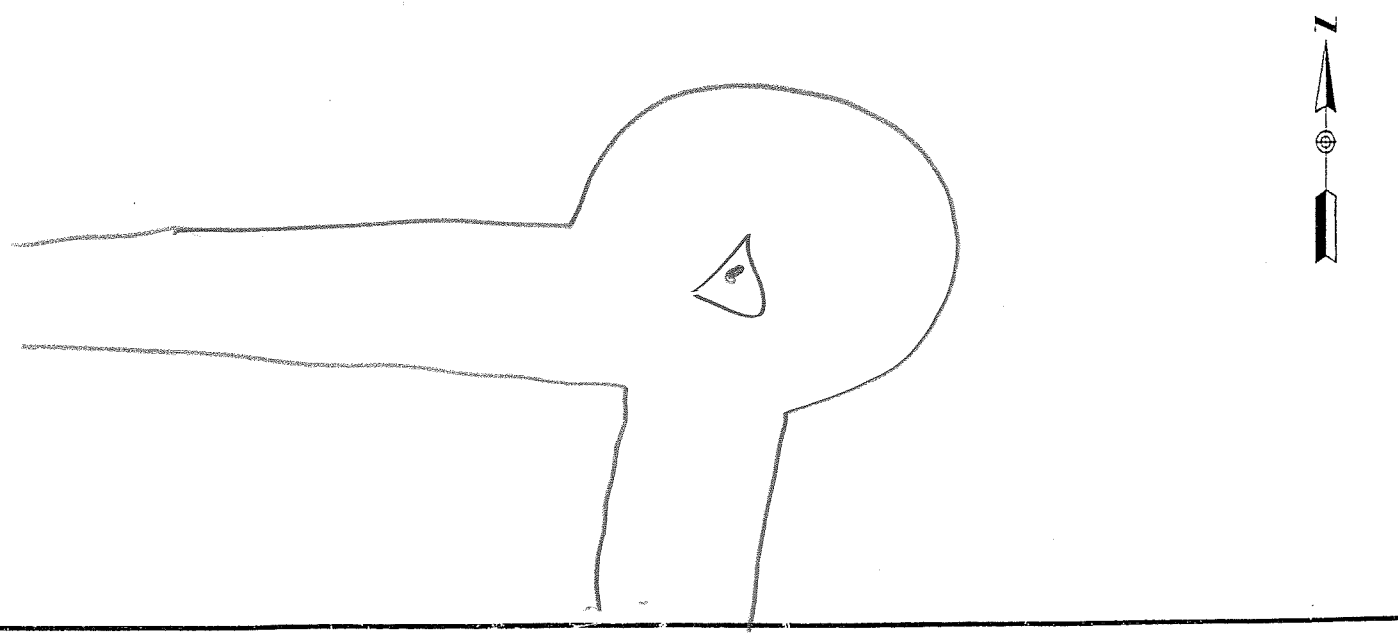
STATION DESCRIPTIONS ℄ ℄ INT RDS W-S, center of cul de sac

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
17:14	2.2	9/9-9
17	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

BASE

PROJECT 1101205
OPERATOR WJN
DATE 2/2/11

SITE NUMBER 1
SITE NAME 102

TRACKING TIMES (LOCAL) MEASURE CST

START

STOP

SENSOR TYPE 500 9500 399 299
MEMORY CARD 11
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: No

HEIGHT READINGS MTS FT
1.180

1.540

STATION DESCRIPTIONS Rebar and CAP Set 1/25/11

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
	2.1	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
WINDY

AS PREVIOUSLY DESCRIBED

SKETCH

N

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

1

PROJECT: 1101205	SITE NUMBER: 1
OPERATOR: WJN	SITE NAME: 57
DATE: 2/2/11	

TRACKING TIMES (LOCAL) MEASURE CST	SENSOR TYPE: (500) 9500 399 299
START: 9:32	MEMORY CARD: 14
STOP: 9:56	BATTERY NO.
	CONTROLLER NO.
	SENSOR NO.

SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	(0.360)

HEIGHT READINGS	MTS	FT
	1.272	

OBSTRUCTIONS: NO

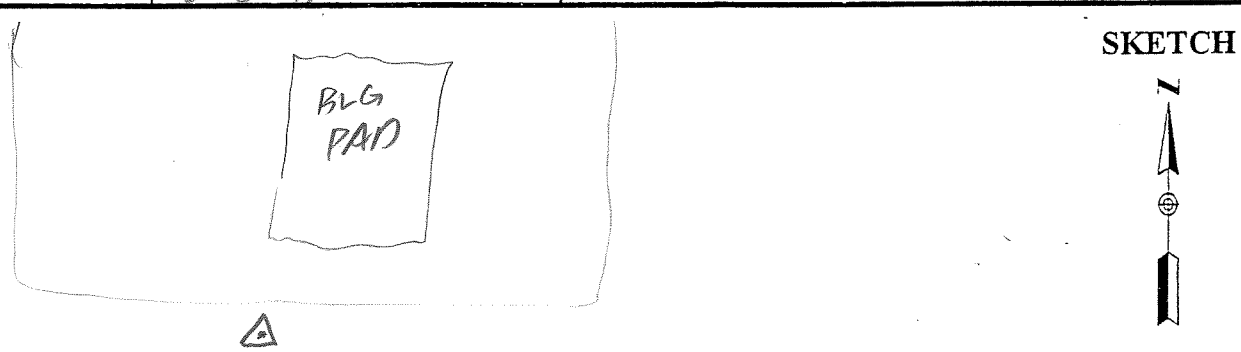
STATION DESCRIPTIONS: POINT IN SHORT GRASS BETWEEN TBOC AND CONSTRUCTION PAD OPP W EDGE CONC. BLDG. PAD N.

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
15:32	2.1	8/8-8
15:56	2.1	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKETCH



2

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT	1101205	SITE NUMBER	2
OPERATOR	WJN	SITE NAME	59
DATE	2/2/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 10:02

STOP 10:24

SENSOR TYPE (500) 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	(0.360)

OBSTRUCTIONS: SIGN S.

HEIGHT READINGS

MTS	FT
1.248	

STATION DESCRIPTIONS POINT IN LONG GRASS ±15' W OF TBOC

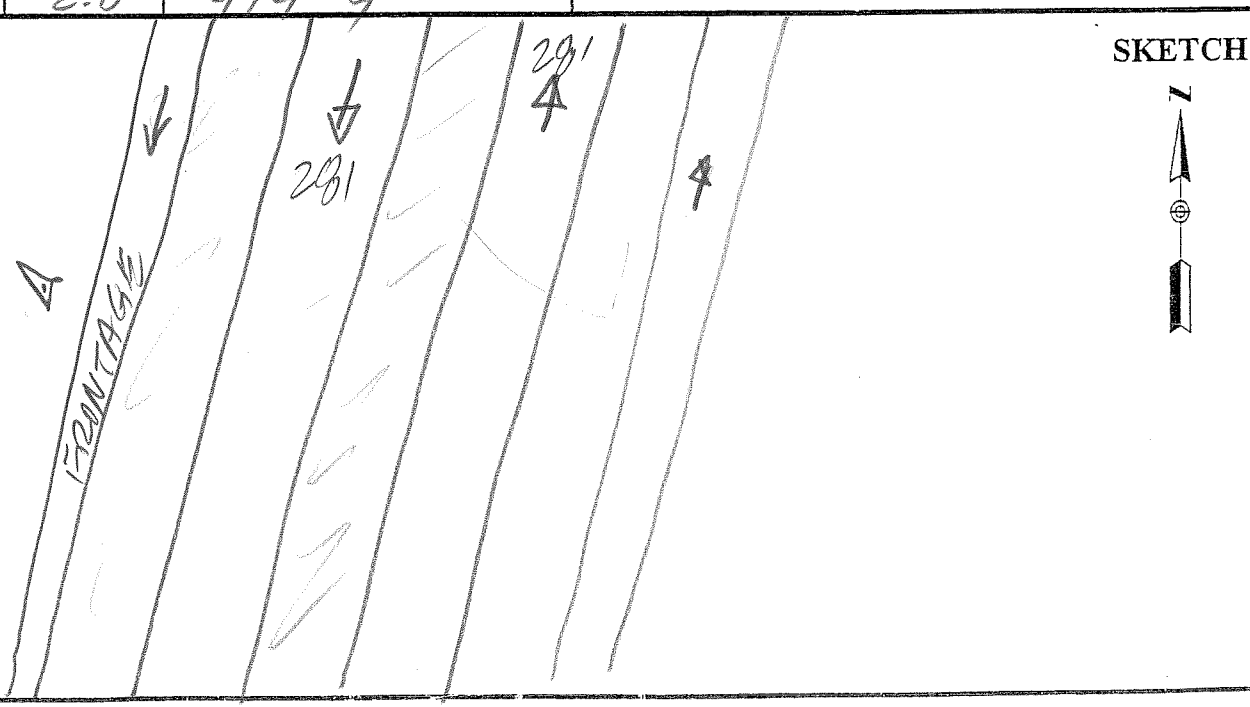
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
16:02	1.9	9/9-9
16:24	2.0	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

WINDY

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT	1101205	SITE NUMBER	3
OPERATOR	WJN	SITE NAME	59
DATE	2/2/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 10:37

STOP 10:58

SENSOR TYPE 500 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT		
	299/399	0.441
	399E/9500	0.389
	500	0.360

HEIGHT READINGS	MTS	FT
	1.337	

OBSTRUCTIONS: TREES S

STATION DESCRIPTIONS 4G 2 TRACK IN SHORT GRASS S. OF RD IN S. R/W

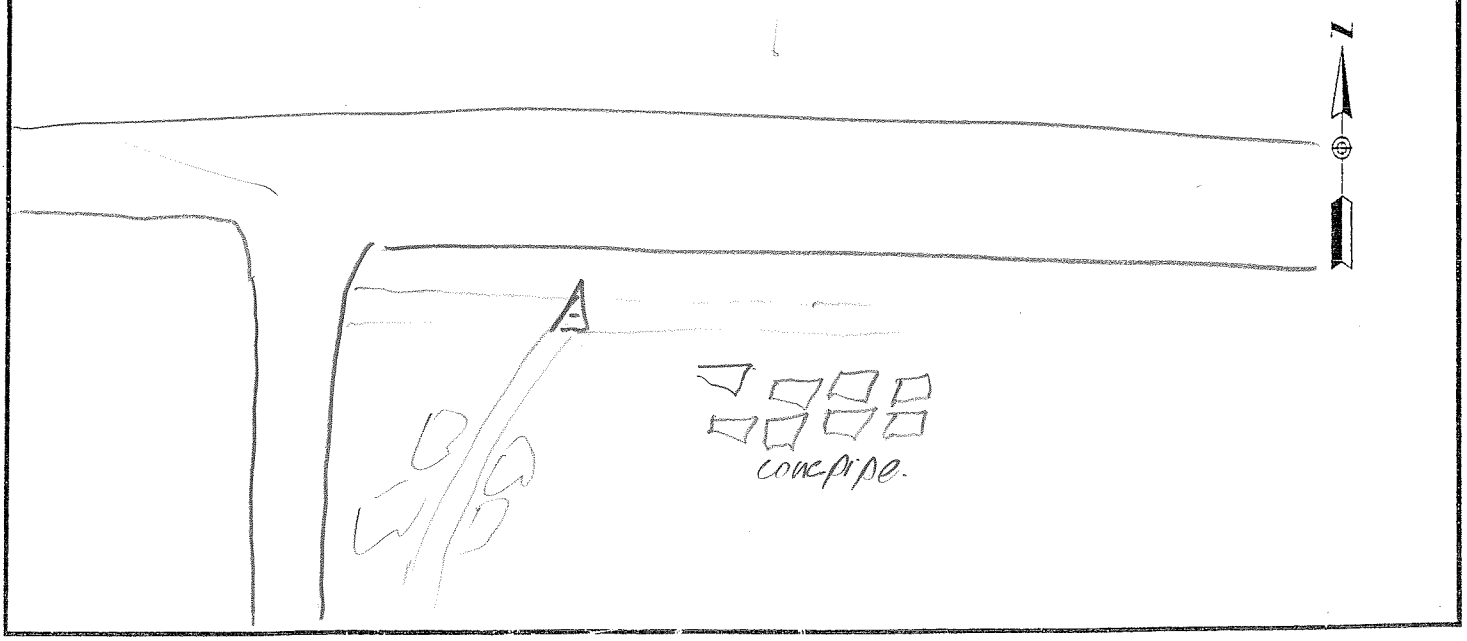
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
16:37	2.6	9/9-9
16:58	2.3	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

WINDY

SKETCH



5

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT	1101205	SITE NUMBER	4
OPERATOR	WVN	SITE NAME	60
DATE	2/2/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 11:07

STOP 11:28

SENSOR TYPE 500 14 9500 399 299

MEMORY CARD

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT		
	299/399	0.441
	399E/9500	0.389
	500	0.360

HEIGHT READINGS	MTS	FT
	1.288	

OBSTRUCTIONS: NO

STATION DESCRIPTIONS G G INT

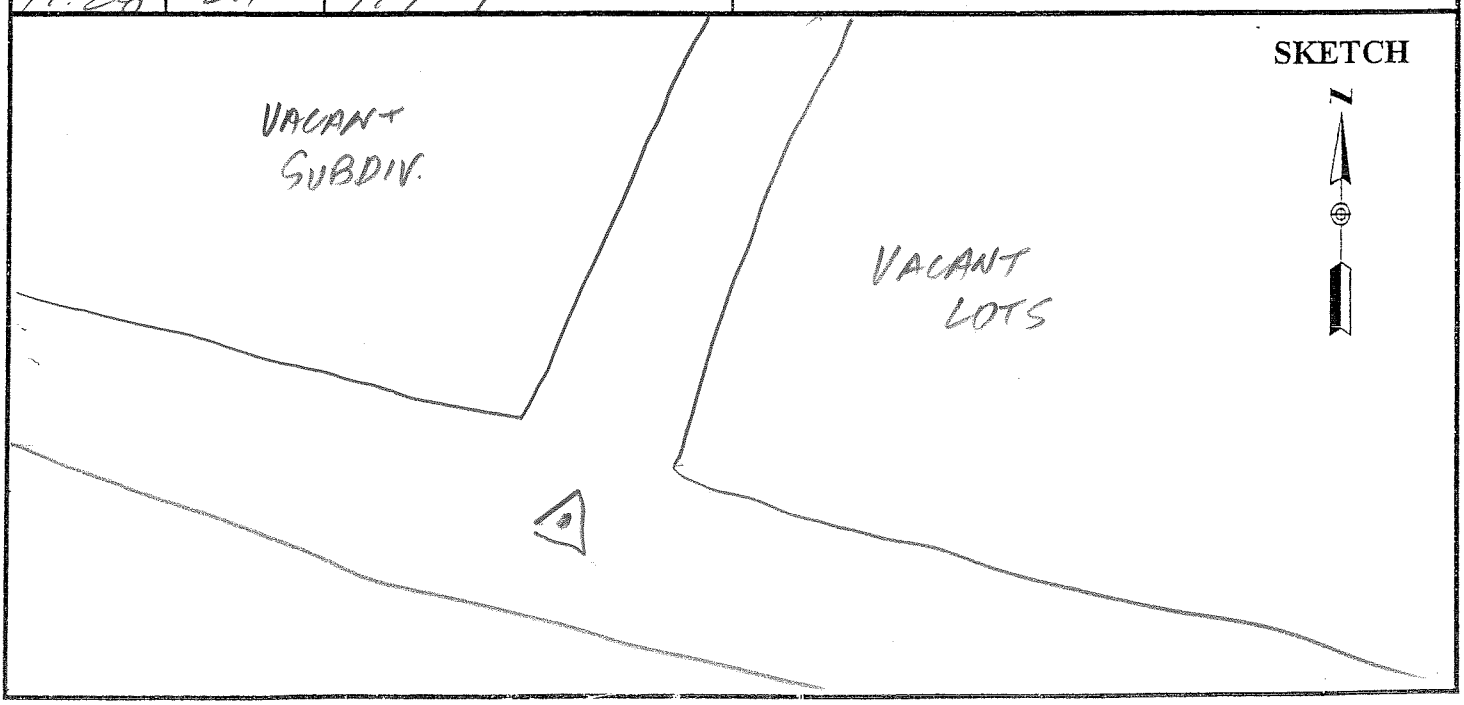
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
17:07	2.3	9/9-9
17:28	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

WINDY

SKETCH



5

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

AIDALGO

PROJECT	1101 205	SITE NUMBER	5
OPERATOR	WJN	SITE NAME	61
DATE	2/2/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 11:41

STOP 12:06

SENSOR TYPE 500 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

HEIGHT READINGS

MTS	FT
1.326	

OBSTRUCTIONS: PPL E

STATION DESCRIPTIONS SW COR WIDE OUT OF PVMNT OPP W EDGE DR N.

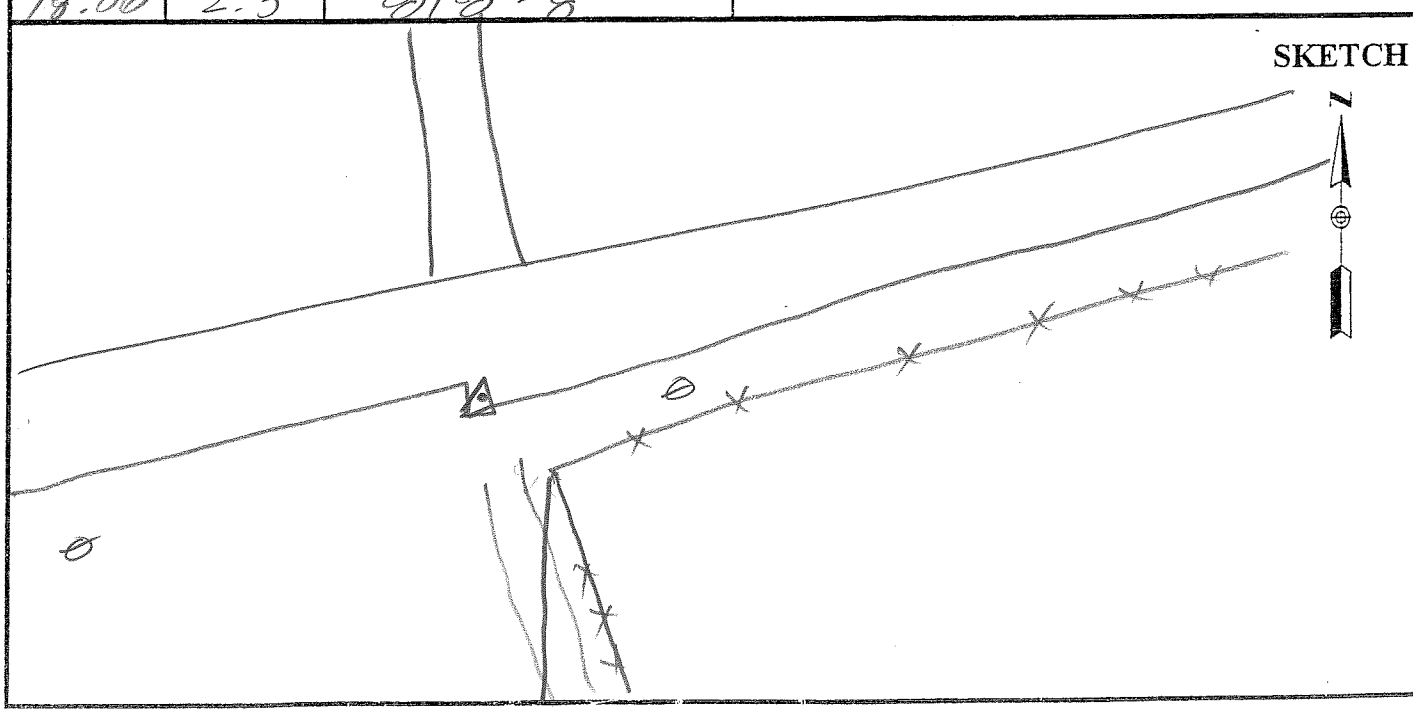
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
17:41	2.6	7/7-7
18:06	2.3	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

WINDY

SKETCH



5

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT	1101205	SITE NUMBER	6
OPERATOR	WJN	SITE NAME	62
DATE	2/2/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 12:39

STOP 13:02

SENSOR TYPE (500) 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	(0.360)

HEIGHT READINGS

MTS	FT
1.319	

OBSTRUCTIONS: NO

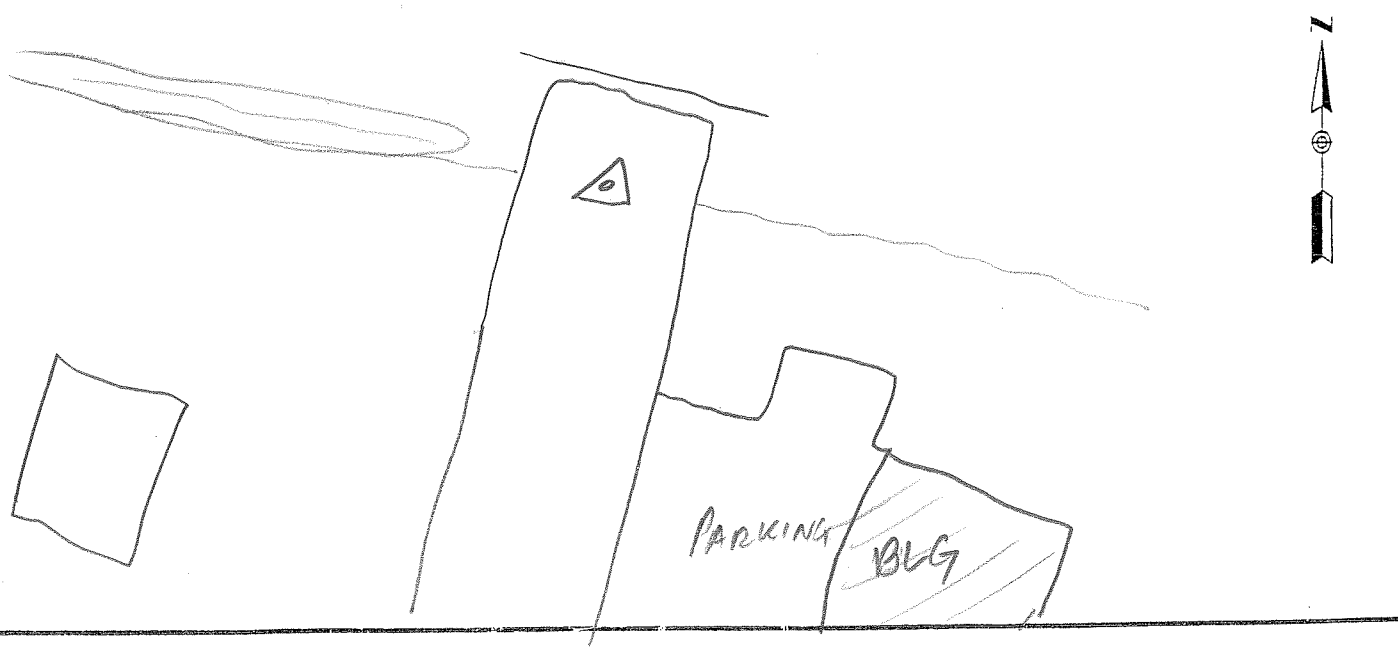
STATION DESCRIPTIONS ℄ PAVED RD OPP FIELD LINE E AND DITCH W.

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
18:39	2.1	9/9-9
18:02	2.2	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKETCH



5

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT	1101205	SITE NUMBER	7
OPERATOR	WJN	SITE NAME	63
DATE	2/1/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 13:19

STOP 13:43

SENSOR TYPE 500 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT		
	299/399	0.441
	399E/9500	0.389
	500	0.360

HEIGHT READINGS	MTS	FT
	1.326	

OBSTRUCTIONS: NO

STATION DESCRIPTIONS POINT IN CENTER OF LARGE CONCRETE APRON

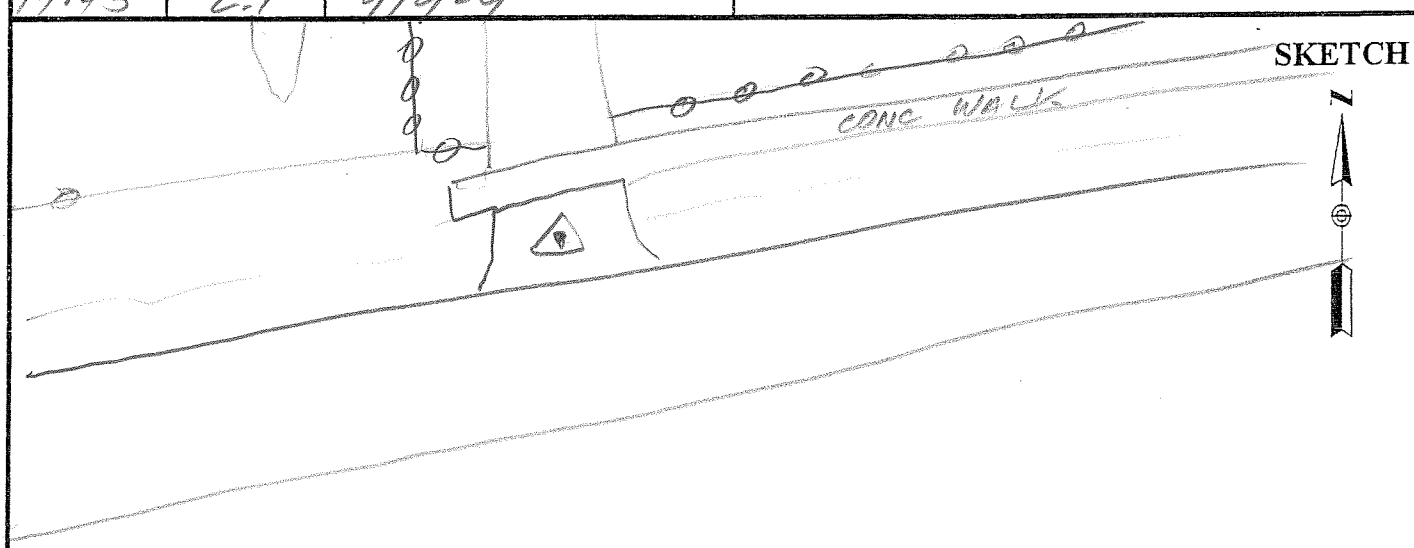
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
19:19	2.3	9/9-10
19:43	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

WINDY

SKETCH



5

HIDALGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 110,205
OPERATOR MLN
DATE 2/2/11

SITE NUMBER 8
SITE NAME 64

TRACKING TIMES (LOCAL) MEASURE CST

START 13:58
STOP 14:23

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

HEIGHT READINGS

MTS	FT
1.352	

OBSTRUCTIONS: NO

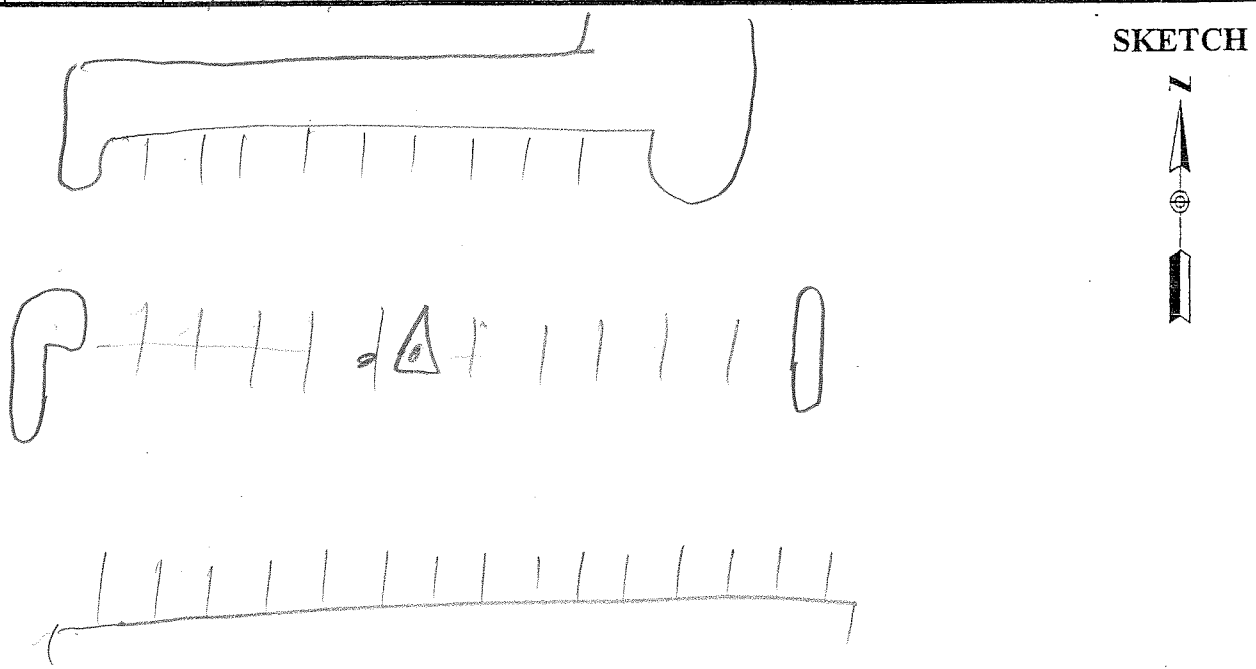
STATION DESCRIPTIONS POINT IN CENTER OF LARGE PARKING AREA

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
19:58	2.1	9/9-9
20:23	2.0	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKETCH



5

HILDAGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WJN
DATE 2/2/11

SITE NUMBER 9
SITE NAME 65

TRACKING TIMES (LOCAL) MEASURE CST
START 14:55
STOP 15:35

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: No

HEIGHT READINGS MTS FT
1.340
1.700

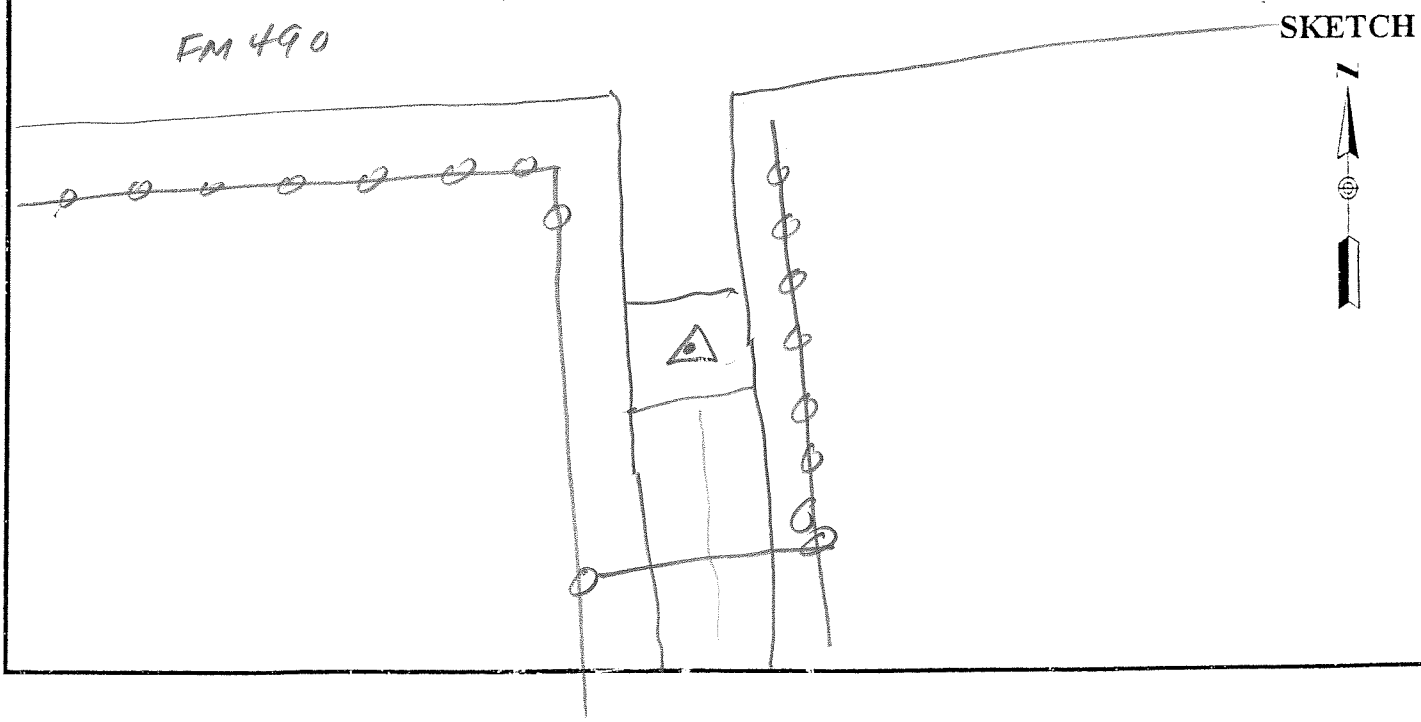
STATION DESCRIPTIONS CENTER OF PATCH AREA IN N-S RD

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
20:55	2.6	9/9-9
20:35	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
WINDY

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

BASE

PROJECT 1101205
OPERATOR WJN
DATE 2/3/11
JULIAN DATE 034

SITE NUMBER 1
SITE NAME 102

TRACKING TIMES (LOCAL) MEASURE CST
START 9:24
STOP 15:05

SENSOR TYPE 500 9500 399 299
MEMORY CARD 11
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: NO

HEIGHT READINGS MTS FT
1.212

STATION DESCRIPTIONS Rebar and CAP Set at 25/11

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
15:24	2.1	9/9-9
21:05	2.2	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
OVC

SKETCH

AS BEFORE DESCRIBED

N

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

5

PROJECT 11
OPERATOR IN JN
DATE 2/3/11

SITE NUMBER 1
SITE NAME 66

TRACKING TIMES (LOCAL) MEASURE CST
START 10:15
STOP 10:44

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: TREES

HEIGHT READINGS MTS FT
1.300

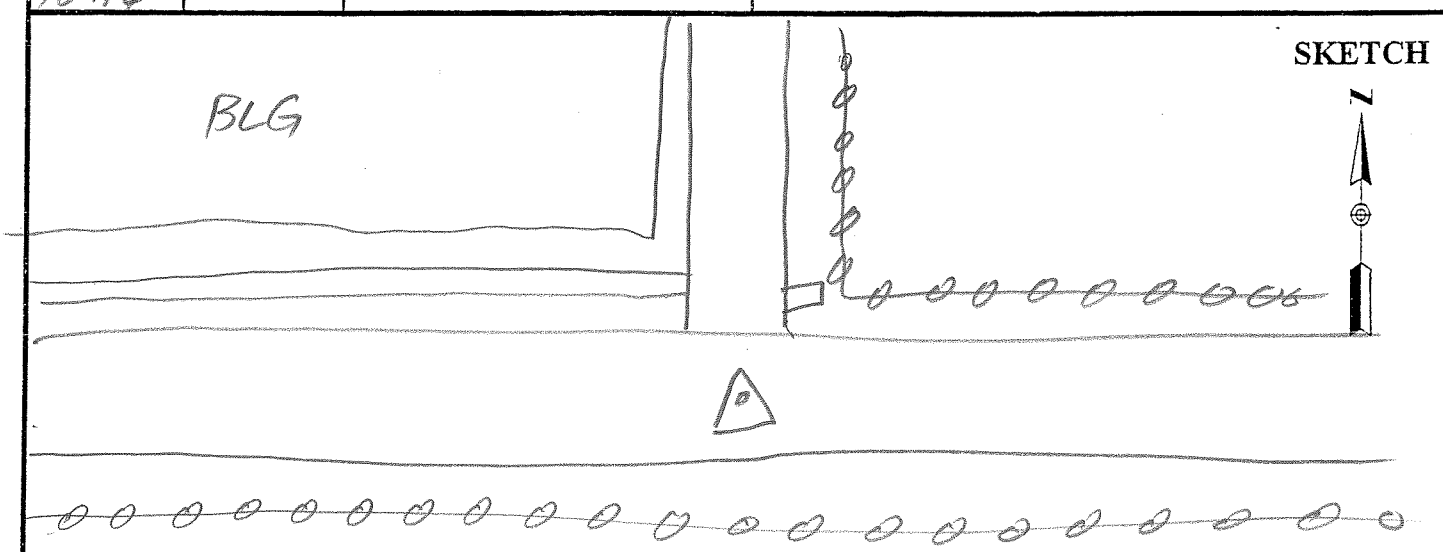
STATION DESCRIPTIONS GG INT

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
10:15	2.1	9/9-9
10:44		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
OVC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

5

HIDALGO

PROJECT 1101205
OPERATOR WYN
DATE 2/3/11

SITE NUMBER 2
SITE NAME 67

TRACKING TIMES (LOCAL) MEASURE CST
START 10:50
STOP 11:18

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: SIGN NW

HEIGHT READINGS MTS FT
1.305

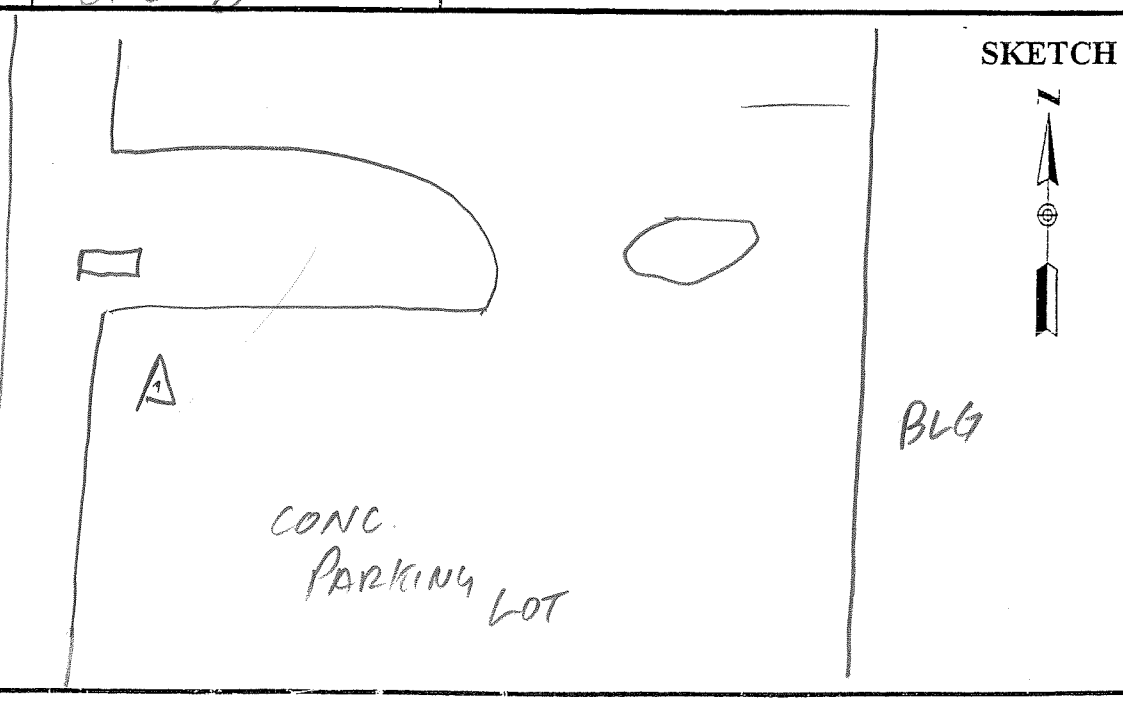
STATION DESCRIPTIONS POINT IN NW AREA OF CONC PARKING LOT

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
16:50	2.7	7/7-9
17:18	2.3	8/8-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
OVC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

5

PROJECT	1101205	SITE NUMBER	3
OPERATOR	WVN	SITE NAME	68
DATE	2/3/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 11:33

STOP 12:00

SENSOR TYPE (500) 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	(0.360)

HEIGHT READINGS

MTS	FT
1.357	

OBSTRUCTIONS: LAMP POST NE

STATION DESCRIPTIONS POINT IN PARKING LOT OPP CENTER OF BLDG S.

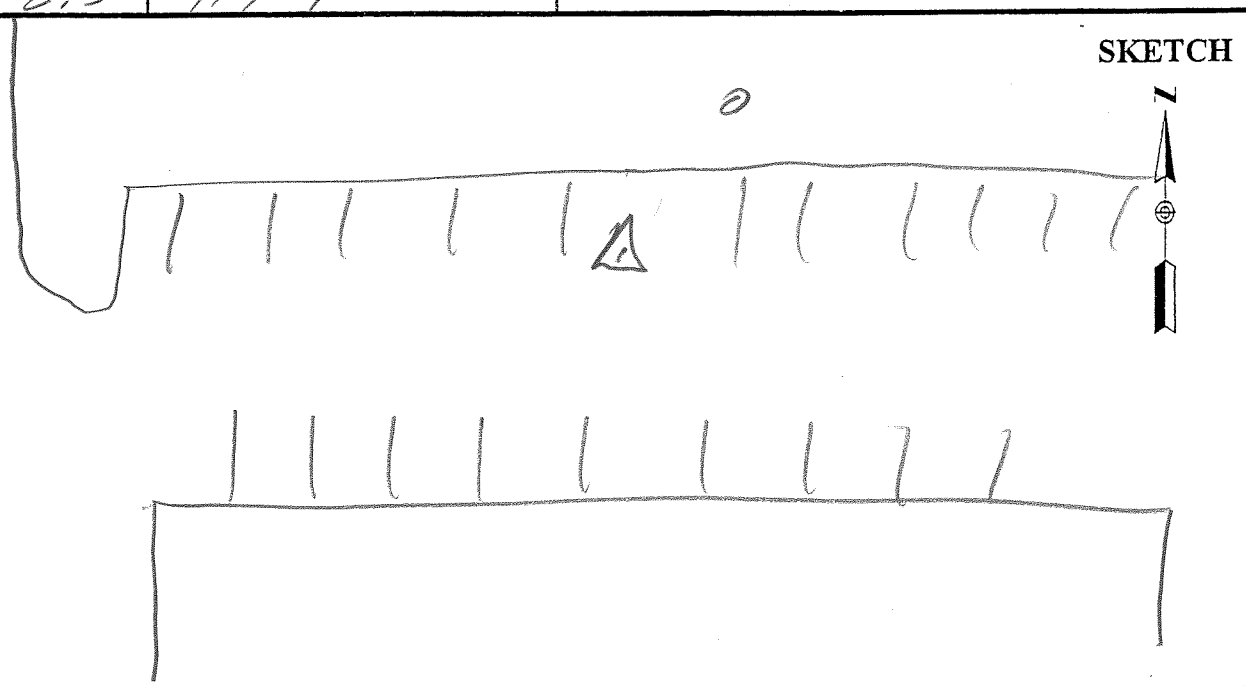
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
11:33	2.1	10/10-10
18:00	2.3	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

OVC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

5

PROJECT 1101205
OPERATOR WJN
DATE 2/3/11

SITE NUMBER 4
SITE NAME 69

TRACKING TIMES (LOCAL) MEASURE CST

START 12:10
STOP 12:36

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

HEIGHT READINGS

MTS	FT
1.351	

OBSTRUCTIONS: NO

STATION DESCRIPTIONS CENTER OF LARGE APRON FOR ACCESS E.

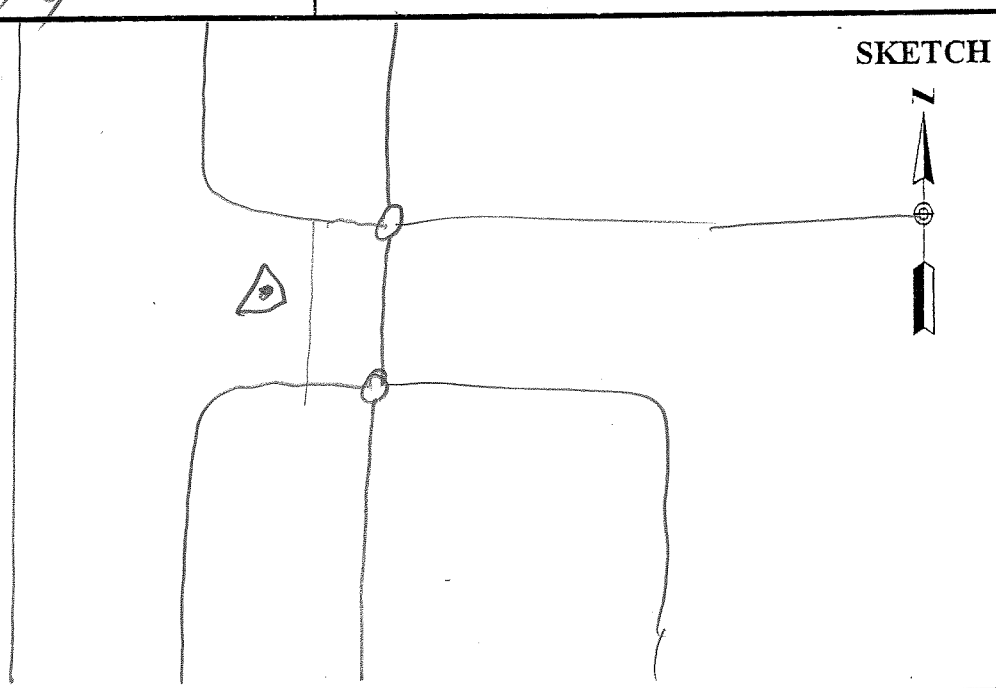
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
18:10	2.1	9/9-9
18:36	2.3	9-9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

OVC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

5

PROJECT	1101205	SITE NUMBER	5
OPERATOR	WJN	SITE NAME	70
DATE	2/3/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 12:47

STOP 13:10

SENSOR TYPE 500 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

OBSTRUCTIONS: NO

HEIGHT READINGS

MTS	FT
1.314	

STATION DESCRIPTIONS CENTER OF PAVED TURNOUT

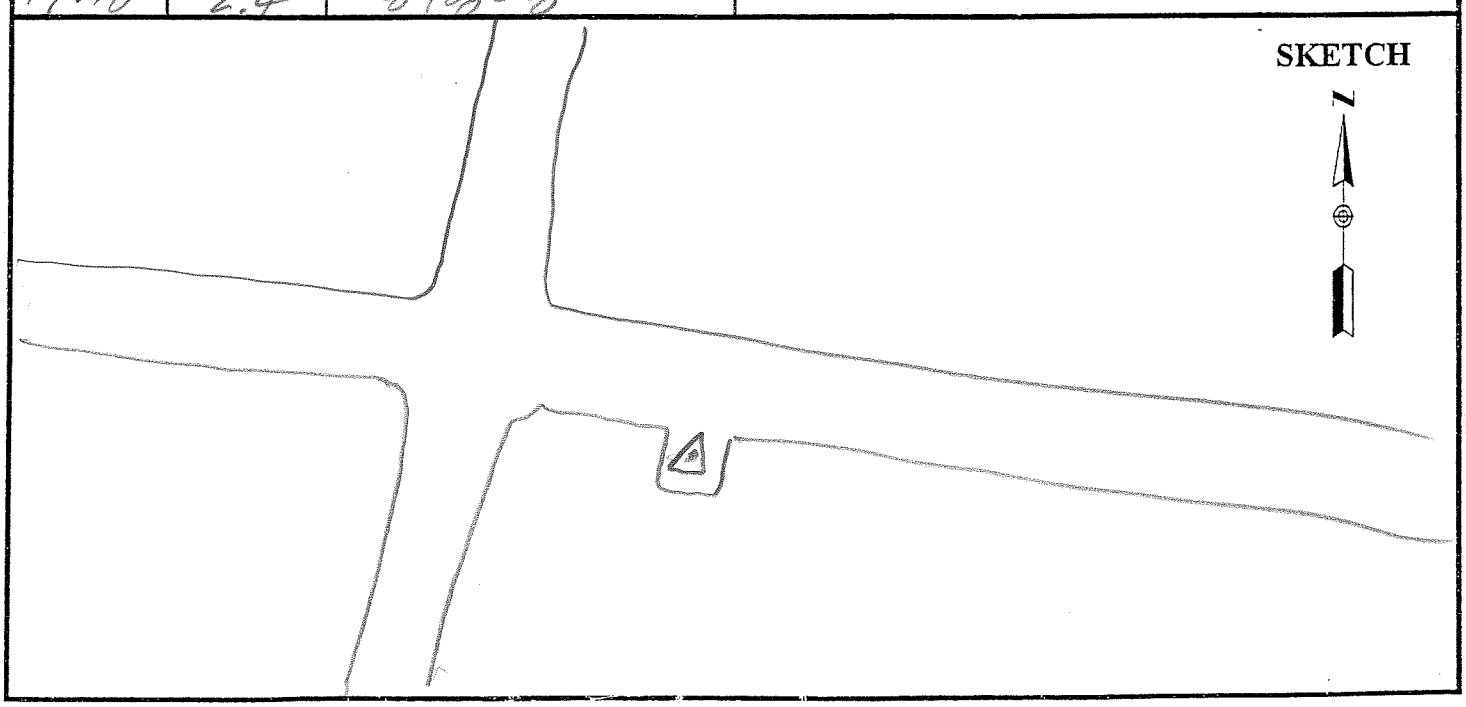
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
18:47	2.7	7/7-8
19:10	2.4	8/09-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

OVC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

5

PROJECT 1101205
OPERATOR WJN
DATE 2/3/11

SITE NUMBER 6
SITE NAME 71

TRACKING TIMES (LOCAL) MEASURE CST
START 13:22
STOP 13:49

SENSOR TYPE 500 9500 399 299
MEMORY CARD 12
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: NO

HEIGHT READINGS MTS 1.342 FT

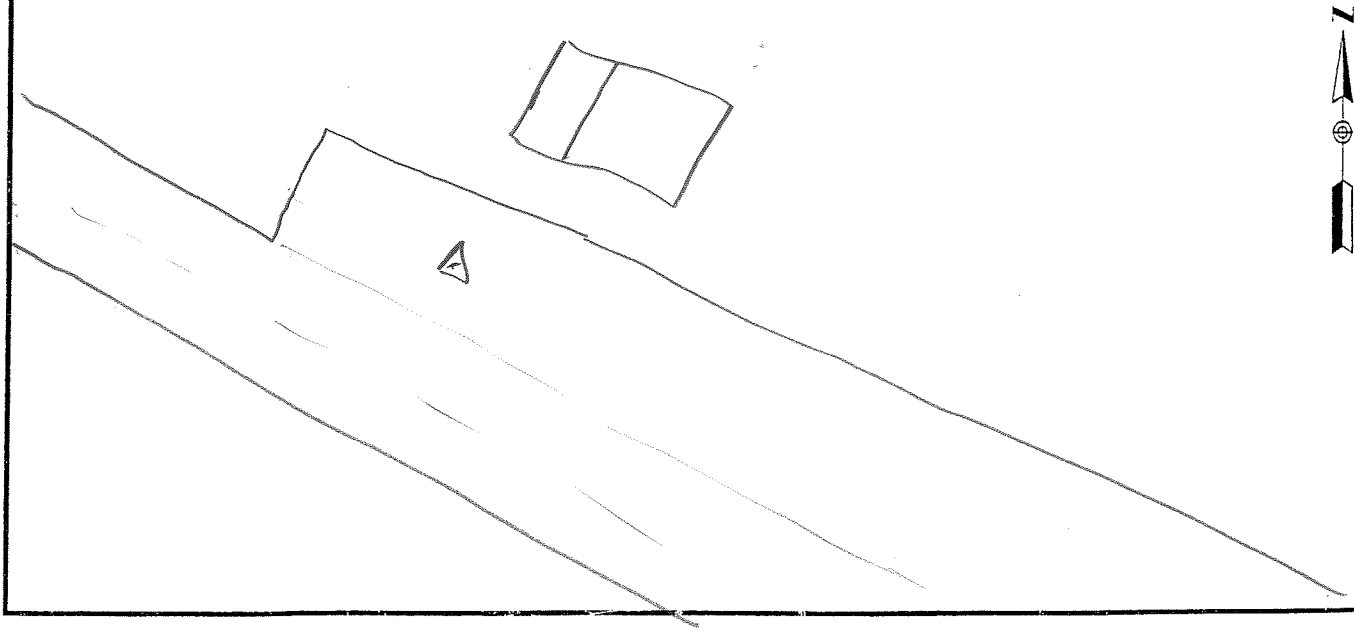
STATION DESCRIPTIONS CENTER OF WIDE OUT OPP W. EDGE HOUSE N.

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
19:22	2.1	7/7-10
19:49	2.2	8/8-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
OVC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

BASO

PROJECT 1101205
OPERATOR WJN
DATE 2/4/11

SITE NUMBER 1
SITE NAME 102

TRACKING TIMES (LOCAL) MEASURE CST

START 11:19
STOP 16:04

SENSOR TYPE 500 9500 399 299
MEMORY CARD 11
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

OBSTRUCTIONS: NO

HEIGHT READINGS

MTS	FT
1.178	
1.538	

STATION DESCRIPTIONS Rebar and CAP SET 2/4/11

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
17:19	2.1	8/8-8
23:04	2.0	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

WINDY

AS BEFORE DESCRIBED

SKETCH

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

5

PROJECT 1101205
OPERATOR WJN
DATE 2/4/11

SITE NUMBER 1
SITE NAME 72

TRACKING TIMES (LOCAL) MEASURE CST

START 11:43
STOP 12:06

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

HEIGHT READINGS MTS FT
1.276

OBSTRUCTIONS: N/D

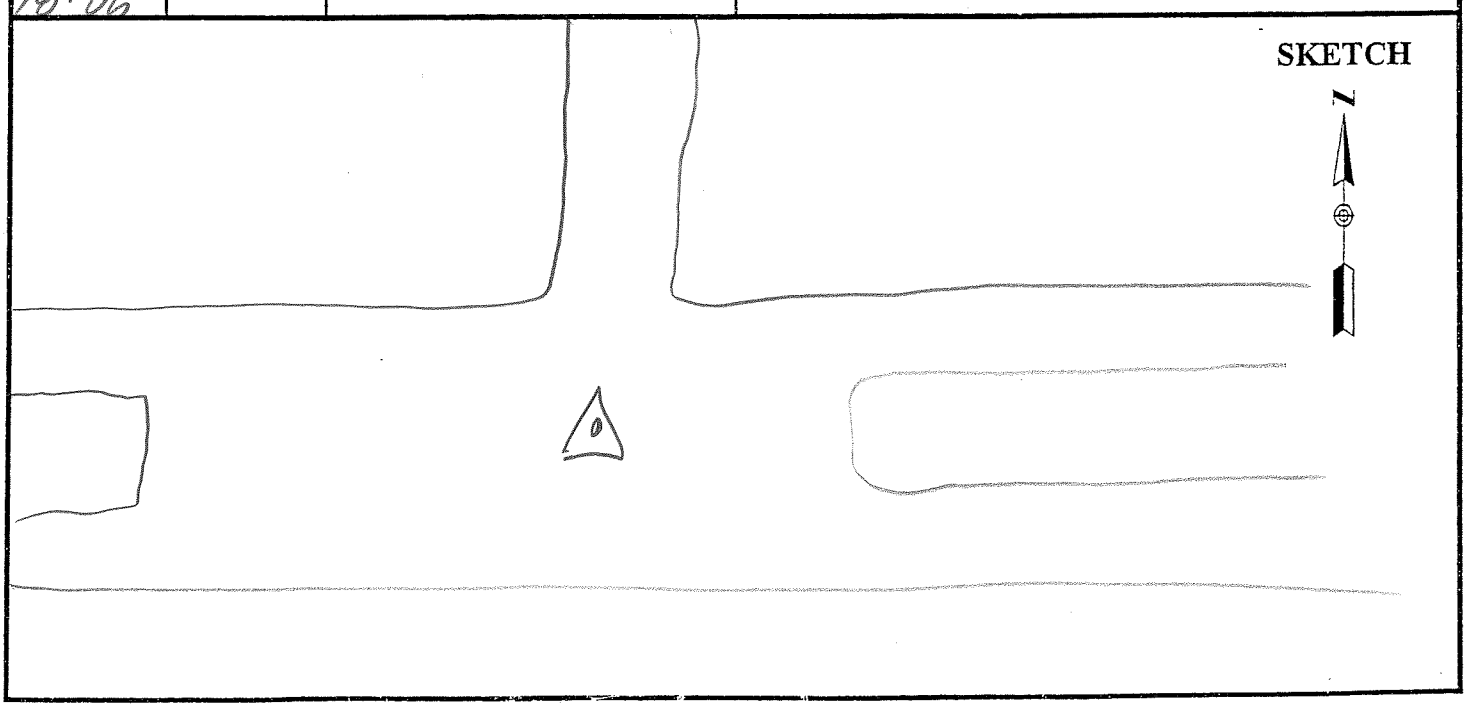
STATION DESCRIPTIONS ℄ ℄ INT
STREETS E-W-N

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
17:43	2.1	8/7-8
18:06		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
WINDY

SKETCH



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HIDALGO

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WJN
DATE 2/4/11

SITE NUMBER 2
SITE NAME 73

TRACKING TIMES (LOCAL) MEASURE CST
START 12:20
STOP 12:39

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

HEIGHT READINGS MTS 1.252 FT

OBSTRUCTIONS: NO

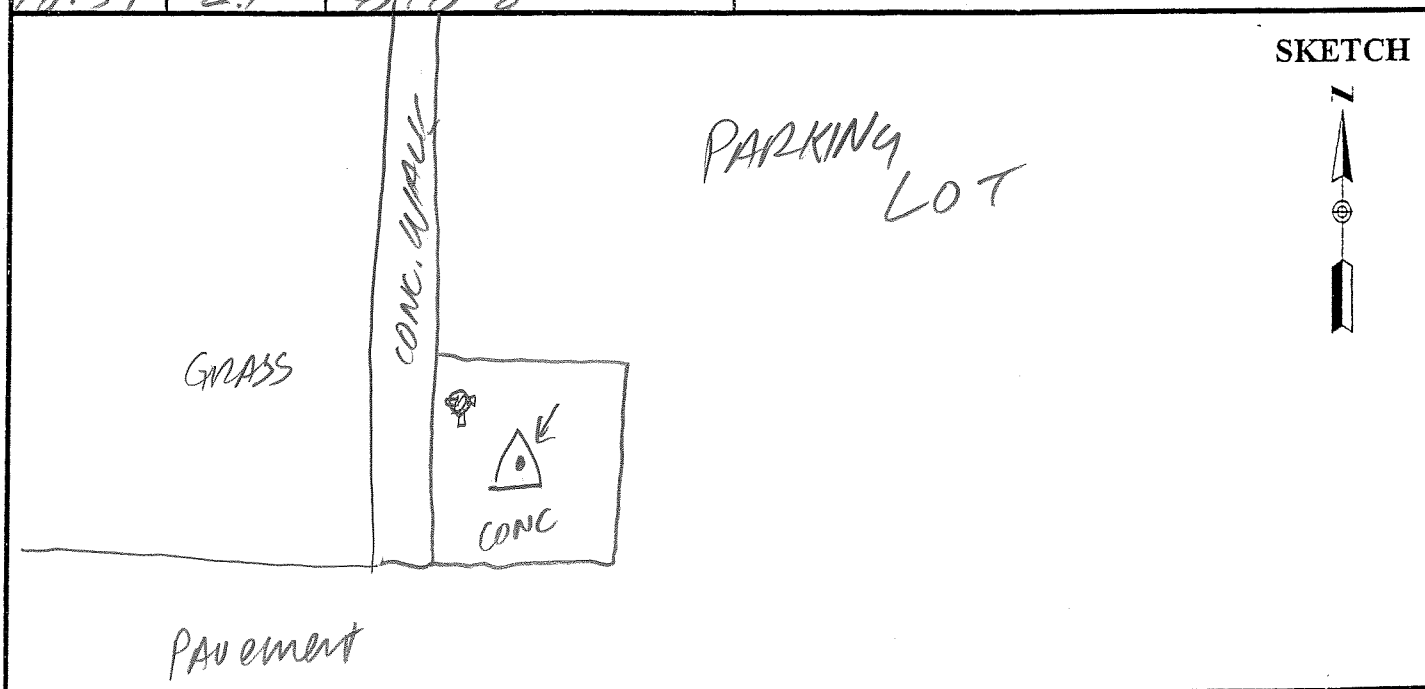
STATION DESCRIPTIONS CENTER OF 18x18' CONCRETE PAD

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
18:20	2.2	7/7-7
18:39	2.1	8/18-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
WINDY

SKETCH



HIDALGO

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AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WJN
DATE 2/5/11

SITE NUMBER 3
SITE NAME 74

TRACKING TIMES (LOCAL) MEASURE CST

START 12:50

STOP 13:10

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

HEIGHT READINGS MTS FT
1.325

OBSTRUCTIONS: NO

STATION DESCRIPTIONS GG INT

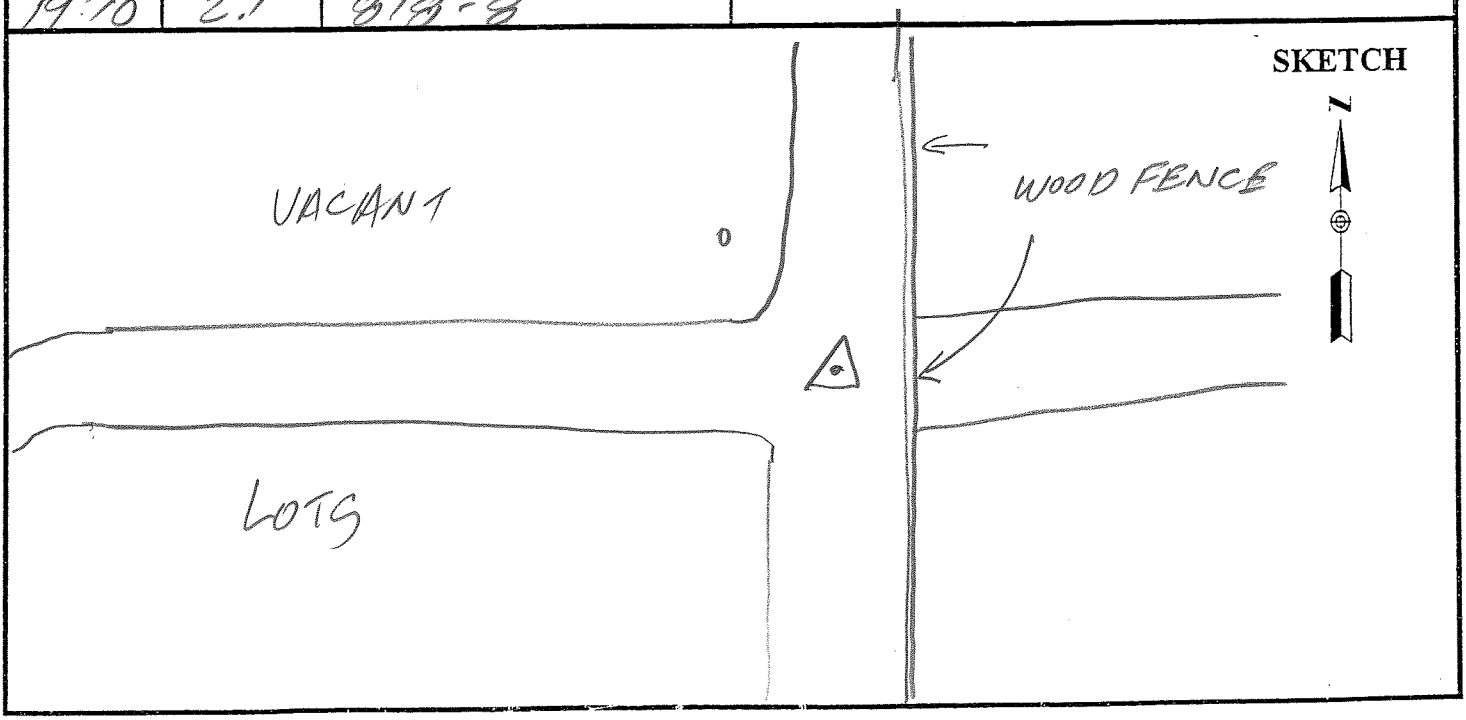
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
19:50	2.2	8/9-9
19:10	2.1	8/9-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

WINDY

SKETCH



HIDALGO

5

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WJN
DATE 2/4/11

SITE NUMBER 4
SITE NAME 75

TRACKING TIMES (LOCAL) MEASURE CST

START 13:20
STOP 13:42

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

HEIGHT READINGS MTS 1.322 FT

OBSTRUCTIONS: NO

STATION DESCRIPTIONS POINT NEAR SW COR LARGE PARKING AREA

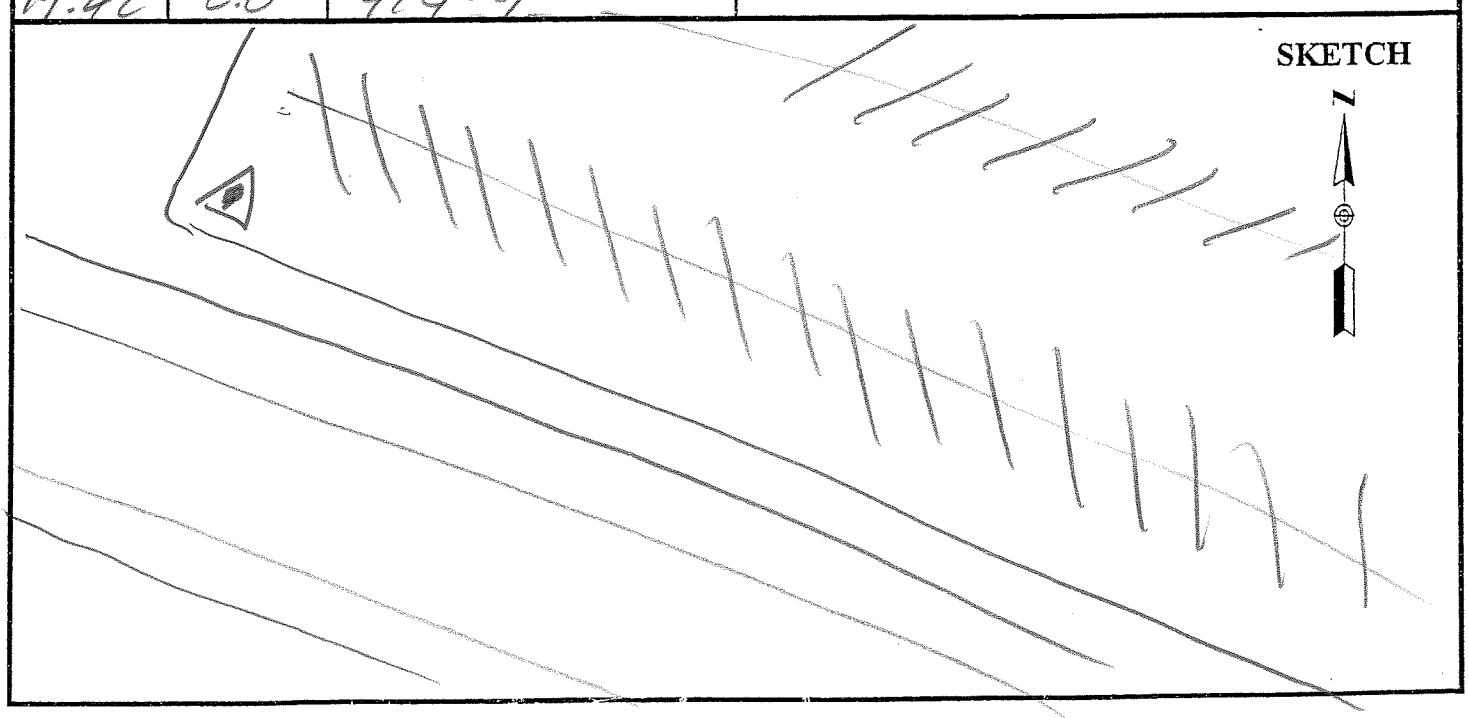
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
19:20	1.9	9/9-9
19:42	2.0	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

WINDY

SKETCH



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AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

PROJECT	1101205	SITE NUMBER	5
OPERATOR	WJN	SITE NAME	76
DATE	2/4/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 13:59

STOP 14:23

SENSOR TYPE (500) 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT		
	299/399	0.441
	399E/9500	0.389
	500	(0.360)

HEIGHT READINGS	MTS	FT
	1.322	

OBSTRUCTIONS: CELL TOWER SW.

STATION DESCRIPTIONS POINT NEAR NW COR PARKING LOT

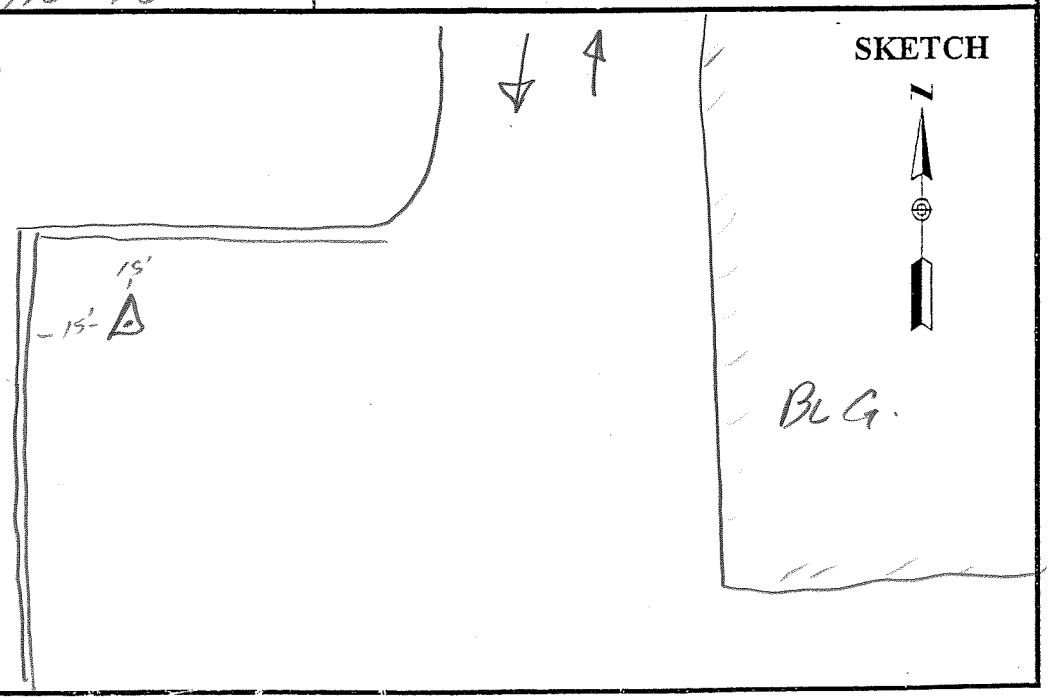
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
19:59	1.9	10/10-10
20:23	2.0	10/10-10

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

WINDY

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

5

PROJECT	1101205	SITE NUMBER	6
OPERATOR	W.JN	SITE NAME	77
DATE	2/4/11		

TRACKING TIMES (LOCAL) MEASURE CST

START 14:34

STOP 15:00

SENSOR TYPE 500 9500 399 299

MEMORY CARD 14

BATTERY NO.

CONTROLLER NO.

SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

HEIGHT READINGS

MTS	FT
1.293	

OBSTRUCTIONS: NO

STATION DESCRIPTIONS ℄ CONC Approach APRON OPP ℄ CONC WALK E-W

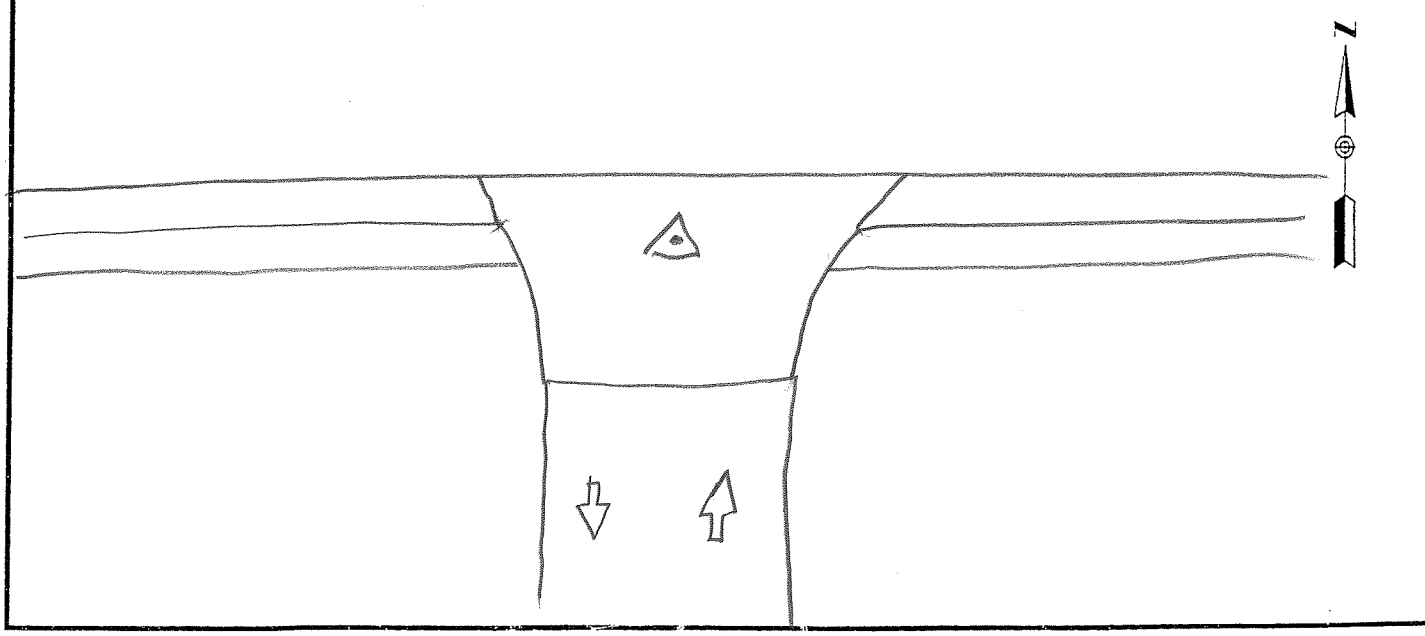
SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
20:34	2.8	9/9-9
21:00	2.6	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

WINDY

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

Base

PROJECT 1101205
OPERATOR WJN
DATE 2/5/11

SITE NUMBER 1
SITE NAME 102

TRACKING TIMES (LOCAL) MEASURE CST

START 10:39
STOP 14:08

SENSOR TYPE 500 9500 399 299
MEMORY CARD 11
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT

299/399	0.441
399E/9500	0.389
500	0.360

OBSTRUCTIONS: No

HEIGHT READINGS

MTS	FT
1.214	

1.574

STATION DESCRIPTIONS Rebar
AND CAP SET 1/25/11

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
16:35	2.6	9/9-9
20:08	2.0	10/10-10

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKC

AS BEFORE DESCRIBED

SKETCH

N

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

HIDALGO

5

PROJECT 1101205
OPERATOR WJN
DATE 2/5/11

SITE NUMBER 1
SITE NAME 78

TRACKING TIMES (LOCAL) MEASURE CST

START 11:09

STOP 11:31

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: No

HEIGHT READINGS MTS FT
1.324

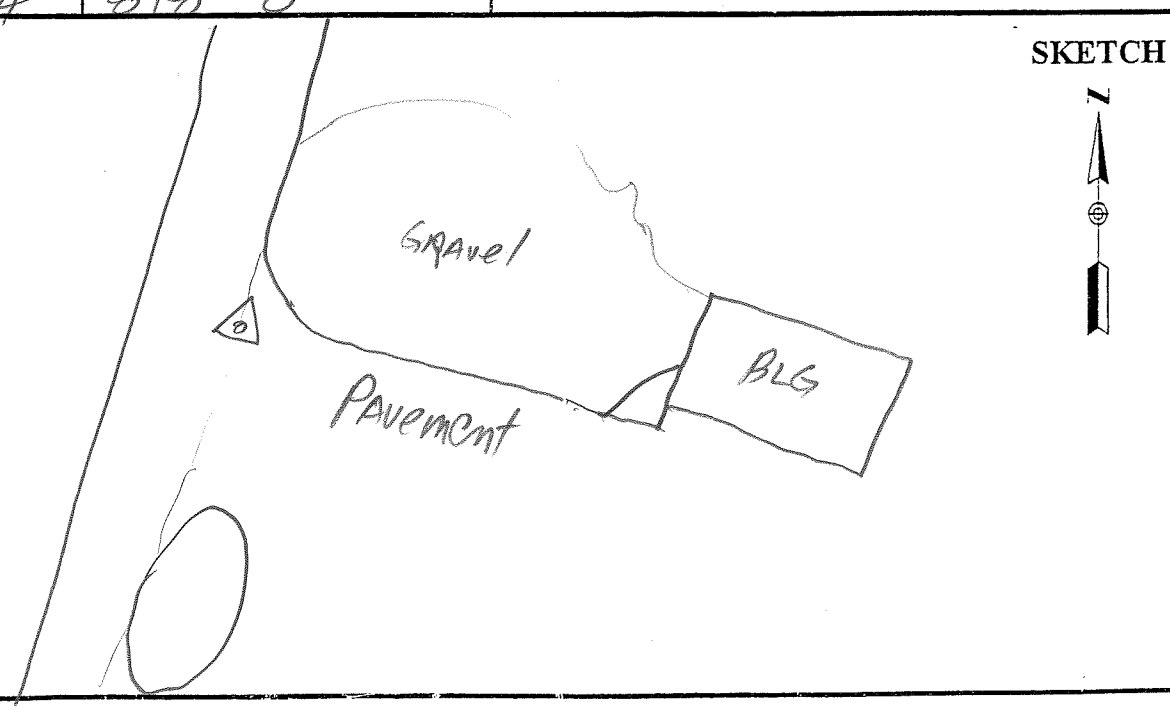
STATION DESCRIPTIONS E EDGE RD OPP N EDGE PARKING LOT E.

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
17:09	2.6	9/9-9
17:31	2.4	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
SKC

SKETCH



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

5

HIDALGO

PROJECT 1101205
OPERATOR WJN
DATE 2/5/11

SITE NUMBER 2
SITE NAME 79

TRACKING TIMES (LOCAL) MEASURE CST
START 11:53
STOP 12:26

SENSOR TYPE 500 9500 399 299
MEMORY CARD 14
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: TRAFFIC

HEIGHT READINGS MTS FT
1.347

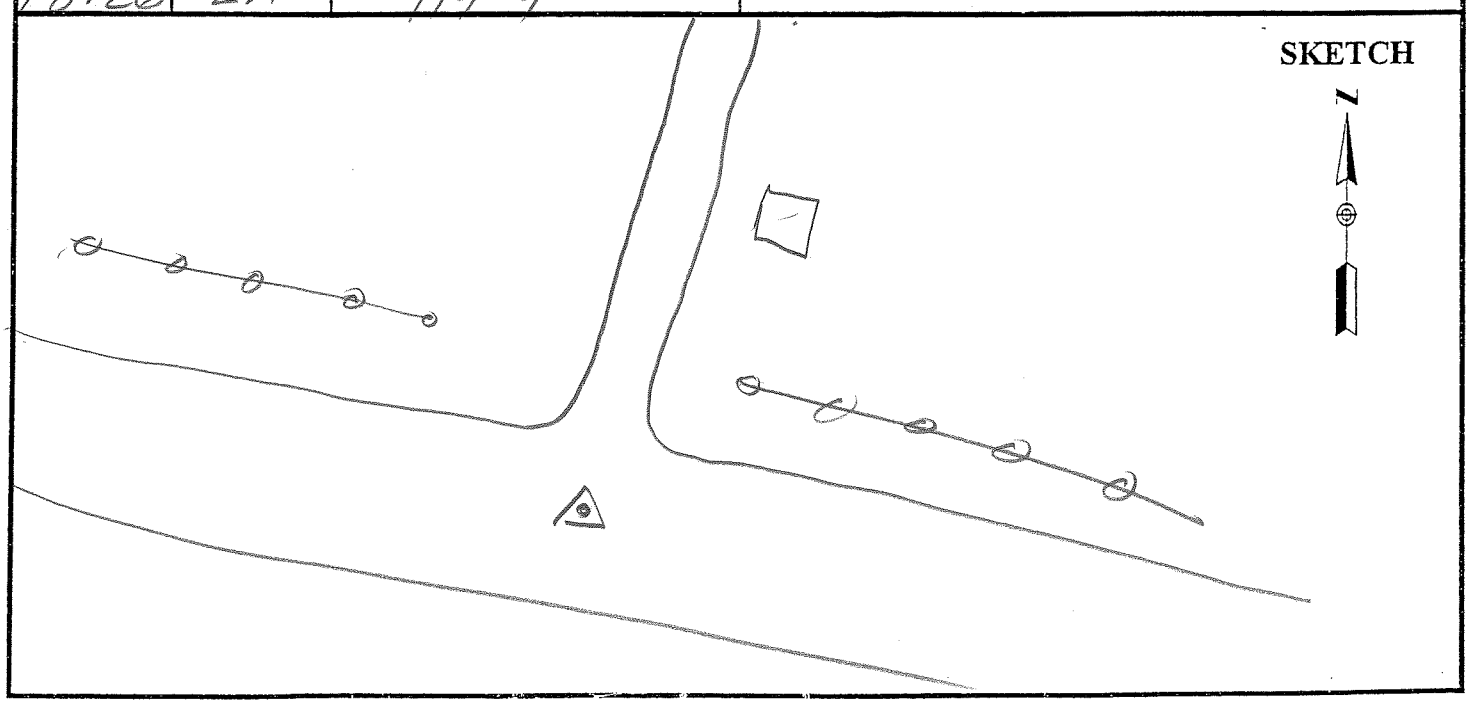
STATION DESCRIPTIONS ℄ ℄ INT

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
17:53	2.4	9/9-9
18:26	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
SKC

SKETCH



HIDALGO

5

AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT 1101205
OPERATOR WJN
DATE 2/5/11

SITE NUMBER 3
SITE NAME 80

TRACKING TIMES (LOCAL) MEASURE CST

START 12:42
STOP 13:24

SENSOR TYPE 500 9500 399 299
MEMORY CARD
BATTERY NO.
CONTROLLER NO.
SENSOR NO.

SENSOR CONSTANT 299/399 0.441
399E/9500 0.389
500 0.360

OBSTRUCTIONS: TREES W

HEIGHT READINGS MTS FT
1.319

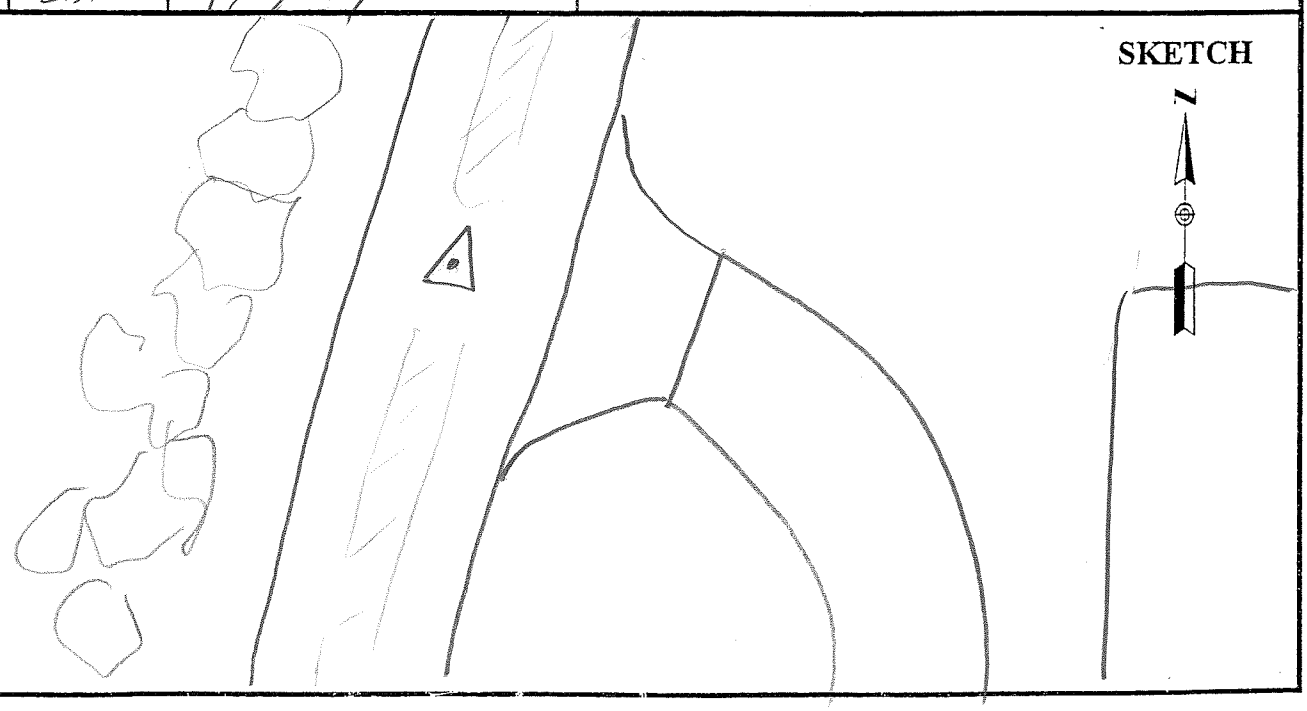
STATION DESCRIPTIONS EG INT

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
13:42	2.6	8/8-8
19:24	2.1	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
SKC

SKETCH



11:27:52, Wed Jun 01, 2011

INI file: C:\WINNT\GEOLAB.INI
Input file: R:\1101205\GEOM~6IZ\SURVEY\WILLACY\GEO\C_HIDWIL.IOB
Output file: R:\1101205\GEOM~6IZ\SURVEY\WILLACY\GEO\C_HIDWIL.LST

Geoid File: C:\GEOLAB2\G2009U06.GEO

PARAMETERS		OBSERVATIONS	
Description	Number	Description	Number
No. of Stations	222	Directions	0
Coord Parameters	654	Distances	0
Free Latitudes	219	Azimuths	0
Free Longitudes	219	Vertical Angles	0
Free Heights	216	Zenithal Angles	0
Fixed Coordinates	12	Angles	0
Astro. Latitudes	0	Heights	0
Astro. Longitudes	0	Height Differences	0
Geoid Records	0	Auxiliary Params.	0
All Aux. Pars.	0	2-D Coords.	0
Direction Pars.	0	2-D Coord. Diffs.	0
Scale Parameters	0	3-D Coords.	0
Constant Pars.	0	3-D Coord. Diffs.	1554
Rotation Pars.	0		
Translation Pars.	0		
	--------		--------
Total Parameters	654	Total Observations	1554
Degrees of Freedom = 900			

SUMMARY OF SELECTED OPTIONS

OPTION	SELECTION
Computation Mode	Adjustment
Maximum Iterations	5
Convergence Criterion	0.00100
Confidence Level for Statistics	95.000
Covariance Matrix Computation	Connected Portion Only
Residual Rejection Criterion	Tau Max
Confidence Region Types	3D Station Relative
Relative Confidence Regions	Connected Only
Variance Factor (VF) Known	Yes
CMULT (Multiply Parm Cov With VF)	Yes
RMULT (Multiply Res Cov With VF)	No
Force Convergence in Max Iters	Yes
Distances Affect 3D	No
Full Inverse Computed	No
Normals Reordered	Yes
Coordinates Generated	No
Geoid Interpolation Method	Bi-Linear

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
NEO	000	1	2940058.222	581691.072	28.130	UTM 14
			0.010	0.010	0.010	
SFMC		1	0.99968239	0 22 1.405410		UTM 14
NEO	000	10	2918127.351	589236.537	29.723	UTM 14
			0.007	0.007	0.006	
SFMC		10	0.99969831	0 23 51.007911		UTM 14
NEO	000	1001	2908741.153	623426.603	12.106	UTM 14
			0.007	0.007	0.003	
SFMC		1001	0.99978809	0 32 51.797364		UTM 14
NEO	000	1002	2928500.661	623437.189	9.284	UTM 14
			0.007	0.007	0.003	
SFMC		1002	0.99978811	0 33 7.432883		UTM 14
NEO	000	1003	2936243.997	657324.079	1.815	UTM 14
			0.016	0.016	0.015	
SFMC		1003	0.99990558	0 42 20.532757		UTM 14
NEO	000	1004	2938283.069	655791.138	2.757	UTM 14
			0.016	0.016	0.015	
SFMC		1004	0.99989965	0 41 57.810457		UTM 14
NEO	000	101	2928379.480	571001.807	56.573	UTM 14
			0.004	0.004	0.003	
SFMC		101	0.99966224	0 19 3.247187		UTM 14
NEO	000	102	2925688.734	587512.001	22.881	UTM 14
			0.003	0.003	0.001	
SFMC		102	0.99969455	0 23 27.555979		UTM 14
NEO	000	103	2944861.121	568066.925	57.240	UTM 14
			0.005	0.005	0.005	
SFMC		103	0.99965720	0 18 23.130030		UTM 14
NEO	000	105	2936835.021	622172.145	11.306	UTM 14
			0.011	0.011	0.010	
SFMC		105	0.99978428	0 32 53.541722		UTM 14
NEO	000	11	2919929.597	585768.223	25.923	UTM 14
			0.006	0.006	0.005	
SFMC		11	0.99969082	0 22 56.378456		UTM 14
NEO	000	12	2925449.334	586545.553	25.474	UTM 14
			0.003	0.003	0.001	
SFMC		12	0.99969247	0 23 11.882344		UTM 14
NEO	000	13	2931718.008	586449.753	23.296	UTM 14
			0.006	0.006	0.005	
SFMC		13	0.99969227	0 23 13.783949		UTM 14
NEO	000	14	2917082.401	597543.778	20.304	UTM 14
			0.010	0.010	0.010	
SFMC		14	0.99971747	0 26 3.552893		UTM 14
NEO	000	15	2918637.639	603069.276	19.238	UTM 14
			0.013	0.013	0.013	
SFMC		15	0.99973116	0 27 33.120253		UTM 14
NEO	000	16	2922598.011	604051.650	17.160	UTM 14
			0.013	0.013	0.013	
SFMC		16	0.99973367	0 27 51.487081		UTM 14
NEO	000	17	2918902.186	612007.481	14.659	UTM 14
			0.018	0.018	0.018	
SFMC		17	0.99975489	0 29 56.632261		UTM 14
NEO	000	18	2915084.897	602253.864	20.201	UTM 14

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
			0.013	0.013	0.013	
SFMC		18	0.99972909	0 27 17.741562		UTM 14
NEO	000	19	2911328.141	596980.771	25.115	UTM 14
			0.011	0.011	0.011	
SFMC		19	0.99971612	0 25 50.993453		UTM 14
NEO	000	2	2938287.905	586333.845	21.096	UTM 14
			0.009	0.009	0.009	
SFMC		2	0.99969202	0 23 15.521774		UTM 14
NEO	000	20	2912350.048	595090.939	23.391	UTM 14
			0.010	0.010	0.010	
SFMC		20	0.99971164	0 25 21.390966		UTM 14
NEO	000	201	2939702.477	656464.511	0.994	UTM 14
			0.023	0.023	0.022	
SFMC		201	0.99990225	0 42 10.100270		UTM 14
NEO	000	202	2936210.609	657354.110	1.263	UTM 14
			0.022	0.022	0.022	
SFMC		202	0.99990570	0 42 20.984070		UTM 14
NEO	000	203	2933611.191	653742.921	3.272	UTM 14
			0.020	0.020	0.020	
SFMC		203	0.99989183	0 41 20.158027		UTM 14
NEO	000	204	2932392.393	650549.703	3.225	UTM 14
			0.019	0.019	0.018	
SFMC		204	0.99987983	0 40 27.503546		UTM 14
NEO	000	205	2931447.969	647283.860	4.309	UTM 14
			0.017	0.017	0.016	
SFMC		205	0.99986782	0 39 33.983951		UTM 14
NEO	000	206	2930692.405	642467.631	5.867	UTM 14
			0.014	0.014	0.013	
SFMC		206	0.99985059	0 38 15.702693		UTM 14
NEO	000	207	2931124.748	639826.305	6.527	UTM 14
			0.013	0.013	0.012	
SFMC		207	0.99984139	0 37 33.541891		UTM 14
NEO	000	208	2942184.052	622765.591	8.927	UTM 14
			0.013	0.013	0.011	
SFMC		208	0.99978607	0 33 7.302765		UTM 14
NEO	000	209	2939203.260	622415.638	12.148	UTM 14
			0.011	0.011	0.009	
SFMC		209	0.99978501	0 32 59.317755		UTM 14
NEO	000	21	2921120.458	597764.247	21.341	UTM 14
			0.009	0.009	0.009	
SFMC		21	0.99971800	0 26 9.589887		UTM 14
NEO	000	210	2935844.805	622033.609	11.896	UTM 14
			0.009	0.009	0.007	
SFMC		210	0.99978386	0 32 50.536155		UTM 14
NEO	000	211	2935421.351	614765.670	9.261	UTM 14
			0.011	0.011	0.009	
SFMC		211	0.99976261	0 30 52.900697		UTM 14
NEO	000	212	2933573.993	613523.096	10.655	UTM 14
			0.010	0.010	0.009	
SFMC		212	0.99975911	0 30 31.511384		UTM 14
NEO	000	213	2932342.276	611517.858	11.843	UTM 14
			0.011	0.011	0.009	

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
SFMC		213	0.99975354	0 29 58.295400		UTM 14
NEO	000	214	2934949.760	604744.004	13.516	UTM 14
			0.013	0.013	0.012	
SFMC		214	0.99973545	0 28 10.823968		UTM 14
NEO	000	215	2930198.784	602396.740	14.868	UTM 14
			0.013	0.013	0.012	
SFMC		215	0.99972945	0 27 29.849835		UTM 14
NEO	000	216	2913720.774	621379.665	12.704	UTM 14
			0.008	0.008	0.005	
SFMC		216	0.99978190	0 32 22.934864		UTM 14
NEO	000	217	2914659.696	614144.536	13.709	UTM 14
			0.010	0.010	0.008	
SFMC		217	0.99976086	0 30 27.832274		UTM 14
NEO	000	218	2914356.131	616860.010	12.602	UTM 14
			0.009	0.009	0.007	
SFMC		218	0.99976861	0 31 11.079294		UTM 14
NEO	000	219	2914259.724	624565.411	11.337	UTM 14
			0.008	0.008	0.005	
SFMC		219	0.99979157	0 33 14.338911		UTM 14
NEO	000	22	2928889.433	568331.748	67.317	UTM 14
			0.005	0.005	0.004	
SFMC		22	0.99965765	0 18 20.480313		UTM 14
NEO	000	220	2915887.825	627767.293	10.346	UTM 14
			0.009	0.009	0.007	
SFMC		220	0.99980155	0 34 6.903812		UTM 14
NEO	000	221	2912646.373	633049.427	9.052	UTM 14
			0.010	0.010	0.008	
SFMC		221	0.99981856	0 35 28.763899		UTM 14
NEO	000	222	2917643.058	632391.785	8.042	UTM 14
			0.010	0.010	0.008	
SFMC		222	0.99981640	0 35 22.437932		UTM 14
NEO	000	223	2920740.478	628899.365	8.994	UTM 14
			0.009	0.009	0.007	
SFMC		223	0.99980513	0 34 29.000288		UTM 14
NEO	000	224	2920661.177	621568.177	10.335	UTM 14
			0.008	0.008	0.006	
SFMC		224	0.99978246	0 32 31.300575		UTM 14
NEO	000	225	2932324.760	635563.882	5.850	UTM 14
			0.012	0.012	0.010	
SFMC		225	0.99982689	0 36 25.905311		UTM 14
NEO	000	226	2935403.734	629075.023	8.544	UTM 14
			0.010	0.010	0.008	
SFMC		226	0.99980569	0 34 43.837803		UTM 14
NEO	000	227	2932895.555	624278.929	9.294	UTM 14
			0.008	0.008	0.005	
SFMC		227	0.99979069	0 33 24.451248		UTM 14
NEO	000	228	2934511.995	620395.083	9.616	UTM 14
			0.009	0.009	0.006	
SFMC		228	0.99977895	0 32 23.065792		UTM 14
NEO	000	229	2929613.550	620228.311	9.624	UTM 14
			0.007	0.007	0.004	
SFMC		229	0.99977846	0 32 16.632735		UTM 14

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
NEO	000	23	2928635.050	564233.915	82.589	UTM 14
			0.007	0.007	0.006	
SFMC		23	0.99965094	0 17 14.386785		UTM 14
NEO	000	230	2926335.728	619888.443	9.778	UTM 14
			0.007	0.007	0.005	
SFMC		230	0.99977745	0 32 8.664219		UTM 14
NEO	000	231	2926225.424	615004.331	12.282	UTM 14
			0.009	0.009	0.008	
SFMC		231	0.99976329	0 30 50.033792		UTM 14
NEO	000	232	2926023.554	608297.564	14.038	UTM 14
			0.013	0.013	0.012	
SFMC		232	0.99974480	0 29 2.032162		UTM 14
NEO	000	233	2926642.480	604277.515	14.688	UTM 14
			0.015	0.015	0.014	
SFMC		233	0.99973425	0 27 57.791569		UTM 14
NEO	000	234	2928723.314	601354.849	16.162	UTM 14
			0.016	0.016	0.016	
SFMC		234	0.99972683	0 27 12.116119		UTM 14
NEO	000	235	2930681.394	608254.041	12.040	UTM 14
			0.013	0.013	0.012	
SFMC		235	0.99974468	0 29 4.534606		UTM 14
NEO	000	236	2922913.989	613601.357	12.158	UTM 14
			0.010	0.010	0.009	
SFMC		236	0.99975933	0 30 25.082903		UTM 14
NEO	000	237	2918961.013	616792.372	11.664	UTM 14
			0.010	0.010	0.008	
SFMC		237	0.99976841	0 31 13.406031		UTM 14
NEO	000	238	2917429.843	620562.426	12.331	UTM 14
			0.009	0.009	0.007	
SFMC		238	0.99977946	0 32 12.691405		UTM 14
NEO	000	239	2923871.821	621213.685	9.762	UTM 14
			0.008	0.008	0.005	
SFMC		239	0.99978140	0 32 28.081510		UTM 14
NEO	000	24	2924630.494	563640.160	82.500	UTM 14
			0.008	0.008	0.007	
SFMC		24	0.99965000	0 17 3.207767		UTM 14
NEO	000	240	2929735.812	627156.427	8.343	UTM 14
			0.007	0.007	0.005	
SFMC		240	0.99979962	0 34 8.293574		UTM 14
NEO	000	241	2933145.689	630716.078	6.855	UTM 14
			0.010	0.010	0.008	
SFMC		241	0.99981095	0 35 8.446326		UTM 14
NEO	000	242	2934738.473	636811.870	6.266	UTM 14
			0.013	0.013	0.012	
SFMC		242	0.99983109	0 36 48.119645		UTM 14
NEO	000	243	2926898.900	638775.381	5.841	UTM 14
			0.013	0.013	0.012	
SFMC		243	0.99983777	0 37 12.886616		UTM 14
NEO	000	244	2922900.927	644902.778	4.312	UTM 14
			0.016	0.016	0.015	
SFMC		244	0.99985923	0 38 47.758015		UTM 14
NEO	000	245	2919736.732	643614.889	4.969	UTM 14

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
			0.015	0.015	0.014	
SFMC		245	0.99985465	0 38 24.195166		UTM 14
NEO	000	246	2918172.046	647963.608	6.586	UTM 14
			0.017	0.017	0.016	
SFMC		246	0.99987030	0 39 32.468551		UTM 14
NEO	000	247	2910856.373	642181.154	6.304	UTM 14
			0.015	0.014	0.013	
SFMC		247	0.99984959	0 37 53.199629		UTM 14
NEO	000	248	2914287.064	642093.282	6.094	UTM 14
			0.014	0.014	0.013	
SFMC		248	0.99984928	0 37 54.883390		UTM 14
NEO	000	249	2940550.439	664543.205	-0.013	UTM 14
			0.017	0.017	0.016	
SFMC		249	0.99993427	0 44 21.553574		UTM 14
NEO	000	25	2921997.220	567503.778	63.148	UTM 14
			0.007	0.007	0.007	
SFMC		25	0.99965626	0 18 4.193340		UTM 14
NEO	000	250	2939070.401	665188.824	-0.025	UTM 14
			0.017	0.017	0.016	
SFMC		250	0.99993690	0 44 30.435774		UTM 14
NEO	000	251	2932924.265	665722.703	0.083	UTM 14
			0.017	0.017	0.017	
SFMC		251	0.99993908	0 44 32.586565		UTM 14
NEO	000	252	2929400.546	667171.231	0.021	UTM 14
			0.018	0.018	0.017	
SFMC		252	0.99994504	0 44 52.191621		UTM 14
NEO	000	253	2928228.619	632188.214	7.670	UTM 14
			0.009	0.009	0.008	
SFMC		253	0.99981573	0 35 28.054255		UTM 14
NEO	000	254	2926548.734	628924.224	9.254	UTM 14
			0.008	0.008	0.006	
SFMC		254	0.99980521	0 34 34.151179		UTM 14
NEO	000	255	2922337.906	627813.645	9.480	UTM 14
			0.009	0.009	0.007	
SFMC		255	0.99980169	0 34 12.874162		UTM 14
NEO	000	256	2916692.227	627752.424	9.935	UTM 14
			0.009	0.009	0.007	
SFMC		256	0.99980150	0 34 7.317074		UTM 14
NEO	000	257	2919243.569	633980.636	7.184	UTM 14
			0.011	0.011	0.009	
SFMC		257	0.99982163	0 35 49.260042		UTM 14
NEO	000	258	2923410.968	637970.719	6.507	UTM 14
			0.012	0.012	0.011	
SFMC		258	0.99983502	0 36 56.890203		UTM 14
NEO	000	259	2921363.195	642397.982	5.255	UTM 14
			0.014	0.014	0.013	
SFMC		259	0.99985035	0 38 6.147833		UTM 14
NEO	001	25R B	2925006.510	587332.934	20.666	UTM 14
			0.003	0.003	0.000	
SFMC		25R B	0.99969416	0 23 24.298053		UTM 14
NEO	000	26	2917908.178	566841.569	59.100	UTM 14
			0.009	0.009	0.009	

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
SFMC		26	0.99965516	0 17 51.824657		UTM 14
NEO	000	260	2919206.762	641054.685	5.207	UTM 14
			0.014	0.014	0.013	
SFMC		260	0.99984565	0 37 42.661263		UTM 14
NEO	000	261	2917022.539	641042.574	5.491	UTM 14
			0.014	0.014	0.013	
SFMC		261	0.99984561	0 37 40.513840		UTM 14
NEO	000	262	2914352.278	637200.584	6.781	UTM 14
			0.012	0.012	0.011	
SFMC		262	0.99983241	0 36 36.639490		UTM 14
NEO	000	263	2928785.331	622762.966	9.010	UTM 14
			0.007	0.007	0.003	
SFMC		263	0.99978607	0 32 56.802671		UTM 14
NEO	000	264	2931931.887	622510.206	10.476	UTM 14
			0.007	0.007	0.004	
SFMC		264	0.99978530	0 32 55.182693		UTM 14
NEO	000	265	2932044.560	619788.109	10.161	UTM 14
			0.008	0.008	0.005	
SFMC		265	0.99977716	0 32 11.394140		UTM 14
NEO	000	266	2923068.993	619920.839	10.941	UTM 14
			0.008	0.008	0.006	
SFMC		266	0.99977755	0 32 6.698718		UTM 14
NEO	000	267	2921376.125	616763.771	11.502	UTM 14
			0.009	0.009	0.008	
SFMC		267	0.99976833	0 31 14.736032		UTM 14
NEO	000	268	2924601.250	616681.164	11.574	UTM 14
			0.009	0.009	0.007	
SFMC		268	0.99976809	0 31 15.797986		UTM 14
NEO	000	269	2927908.403	616609.951	11.323	UTM 14
			0.009	0.009	0.006	
SFMC		269	0.99976788	0 31 17.101857		UTM 14
NEO	000	27	2915069.335	566544.256	57.252	UTM 14
			0.011	0.011	0.011	
SFMC		27	0.99965467	0 17 45.859888		UTM 14
NEO	000	270	2930700.100	616606.168	11.635	UTM 14
			0.009	0.009	0.007	
SFMC		270	0.99976787	0 31 19.108656		UTM 14
NEO	000	271	2928084.814	628772.662	8.688	UTM 14
			0.008	0.008	0.005	
SFMC		271	0.99980473	0 34 32.969622		UTM 14
NEO	000	272	2924552.525	632409.622	7.509	UTM 14
			0.010	0.010	0.008	
SFMC		272	0.99981646	0 35 28.527206		UTM 14
NEO	000	273	2921152.283	632334.184	7.709	UTM 14
			0.010	0.010	0.009	
SFMC		273	0.99981621	0 35 24.459852		UTM 14
NEO	000	274	2919203.262	630759.125	8.158	UTM 14
			0.010	0.010	0.008	
SFMC		274	0.99981110	0 34 57.566700		UTM 14
NEO	000	275	2915957.990	630792.442	8.932	UTM 14
			0.010	0.010	0.008	
SFMC		275	0.99981121	0 34 55.409917		UTM 14

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
NEO	000	276	2912564.958	627794.347	10.042	UTM 14
			0.008	0.008	0.006	
SFMC		276	0.99980164	0 34 4.646221		UTM 14
NEO	000	277	2917478.372	624532.690	11.183	UTM 14
			0.009	0.009	0.007	
SFMC		277	0.99979147	0 33 16.355820		UTM 14
NEO	000	278	2917434.877	621318.821	13.483	UTM 14
			0.009	0.009	0.007	
SFMC		278	0.99978172	0 32 24.817151		UTM 14
NEO	000	279	2917464.194	613658.104	12.901	UTM 14
			0.011	0.011	0.009	
SFMC		279	0.99975949	0 30 22.065475		UTM 14
NEO	000	28	2911338.521	565828.592	53.893	UTM 14
			0.013	0.013	0.013	
SFMC		28	0.99965350	0 17 32.841597		UTM 14
NEO	000	280	2921533.715	613611.475	12.101	UTM 14
			0.010	0.010	0.009	
SFMC		280	0.99975936	0 30 24.250438		UTM 14
NEO	000	281	2924536.703	613565.039	12.314	UTM 14
			0.010	0.010	0.009	
SFMC		281	0.99975923	0 30 25.669121		UTM 14
NEO	000	282	2924689.920	622444.081	8.940	UTM 14
			0.007	0.007	0.005	
SFMC		282	0.99978510	0 32 48.485542		UTM 14
NEO	000	283	2922321.367	624483.293	10.318	UTM 14
			0.008	0.008	0.006	
SFMC		283	0.99979132	0 33 19.387840		UTM 14
NEO	000	284	2926447.831	624805.088	8.613	UTM 14
			0.007	0.007	0.004	
SFMC		284	0.99979231	0 33 27.823330		UTM 14
NEO	000	285	2926387.156	622461.285	9.496	UTM 14
			0.007	0.007	0.004	
SFMC		285	0.99978515	0 32 50.081427		UTM 14
NEO	000	286	2928423.119	623145.459	8.365	UTM 14
			0.007	0.007	0.003	
SFMC		286	0.99978723	0 33 2.676628		UTM 14
NEO	000	287	2928985.373	622535.736	9.450	UTM 14
			0.007	0.007	0.003	
SFMC		287	0.99978538	0 32 53.300481		UTM 14
NEO	000	288	2926422.713	621576.486	9.772	UTM 14
			0.007	0.007	0.004	
SFMC		288	0.99978249	0 32 35.879063		UTM 14
NEO	000	289	2923880.404	620747.493	9.415	UTM 14
			0.008	0.008	0.006	
SFMC		289	0.99978001	0 32 20.597931		UTM 14
NEO	000	29	2907779.944	564628.767	53.722	UTM 14
			0.015	0.015	0.015	
SFMC		29	0.99965157	0 17 12.197057		UTM 14
NEO	000	290	2921894.203	620741.764	10.520	UTM 14
			0.008	0.008	0.006	
SFMC		290	0.99977999	0 32 18.984137		UTM 14
NEO	000	291	2920079.483	620631.824	11.328	UTM 14

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
			0.009	0.009	0.007	
SFMC		291	0.99977966	0 32 15.830463		UTM 14
NEO	000	292	2916246.868	620577.887	12.123	UTM 14
			0.009	0.009	0.007	
SFMC		292	0.99977950	0 32 12.034929		UTM 14
NEO	000	293	2915016.581	620692.627	11.410	UTM 14
			0.008	0.008	0.006	
SFMC		293	0.99977985	0 32 12.931728		UTM 14
NEO	000	294	2915806.140	621365.122	11.763	UTM 14
			0.008	0.008	0.006	
SFMC		294	0.99978186	0 32 24.306080		UTM 14
NEO	000	295	2915848.809	623819.657	11.324	UTM 14
			0.008	0.008	0.006	
SFMC		295	0.99978929	0 33 3.649836		UTM 14
NEO	000	296	2916257.599	627754.026	10.375	UTM 14
			0.009	0.009	0.007	
SFMC		296	0.99980151	0 34 6.990758		UTM 14
NEO	000	297	2917984.819	627753.149	9.797	UTM 14
			0.009	0.009	0.007	
SFMC		297	0.99980150	0 34 8.375597		UTM 14
NEO	000	298	2920131.603	627731.672	9.001	UTM 14
			0.009	0.009	0.007	
SFMC		298	0.99980143	0 34 9.770269		UTM 14
NEO	000	299	2922240.613	628921.712	9.165	UTM 14
			0.009	0.009	0.007	
SFMC		299	0.99980521	0 34 30.585773		UTM 14
NEO	000	3	2933413.500	586730.506	26.973	UTM 14
			0.007	0.007	0.006	
SFMC		3	0.99969287	0 23 19.244281		UTM 14
NEO	000	30	2909941.022	568866.550	48.666	UTM 14
			0.013	0.013	0.013	
SFMC		30	0.99965855	0 18 20.815550		UTM 14
NEO	000	300	2924642.593	628897.044	8.389	UTM 14
			0.008	0.008	0.006	
SFMC		300	0.99980513	0 34 32.154403		UTM 14
NEO	000	301	2926557.272	629238.435	9.147	UTM 14
			0.008	0.008	0.006	
SFMC		301	0.99980621	0 34 39.211541		UTM 14
NEO	000	302	2928794.360	628769.285	7.987	UTM 14
			0.008	0.008	0.006	
SFMC		302	0.99980472	0 34 33.495528		UTM 14
NEO	000	303	2929629.603	632200.250	7.058	UTM 14
			0.010	0.010	0.008	
SFMC		303	0.99981577	0 35 29.424229		UTM 14
NEO	000	304	2929712.287	625273.662	9.152	UTM 14
			0.007	0.007	0.004	
SFMC		304	0.99979375	0 33 37.956175		UTM 14
NEO	000	305	2936835.028	622172.151	11.307	UTM 14
			0.007	0.007	0.004	
SFMC		305	0.99978428	0 32 53.541819		UTM 14
NEO	000	306	2929748.398	622526.146	8.862	UTM 14
			0.007	0.007	0.004	

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
SFMC		306	0.99978535	0 32 53.739908		UTM 14
NEO	000	307	2942392.191	622798.304	9.028	UTM 14
			0.008	0.008	0.006	
SFMC		307	0.99978617	0 33 7.994814		UTM 14
NEO	000	308	2941179.609	622683.306	10.719	UTM 14
			0.008	0.008	0.005	
SFMC		308	0.99978582	0 33 5.186951		UTM 14
NEO	000	309	2939153.630	622449.098	12.263	UTM 14
			0.007	0.007	0.004	
SFMC		309	0.99978511	0 32 59.819928		UTM 14
NEO	000	31	2915818.264	568400.516	52.300	UTM 14
			0.010	0.010	0.010	
SFMC		31	0.99965776	0 18 15.914128		UTM 14
NEO	000	310	2938295.807	622348.992	11.368	UTM 14
			0.007	0.007	0.004	
SFMC		310	0.99978481	0 32 57.534262		UTM 14
NEO	000	311	2936140.780	622096.218	11.565	UTM 14
			0.007	0.007	0.005	
SFMC		311	0.99978405	0 32 51.776602		UTM 14
NEO	000	312	2933714.309	621812.440	9.638	UTM 14
			0.007	0.007	0.004	
SFMC		312	0.99978319	0 32 45.316130		UTM 14
NEO	000	313	2933697.970	619539.378	10.220	UTM 14
			0.007	0.007	0.005	
SFMC		313	0.99977642	0 32 8.641008		UTM 14
NEO	000	314	2934451.279	616569.445	9.089	UTM 14
			0.010	0.010	0.009	
SFMC		314	0.99976776	0 31 21.295895		UTM 14
NEO	000	315	2933614.581	614931.438	10.306	UTM 14
			0.008	0.008	0.006	
SFMC		315	0.99976308	0 30 54.256267		UTM 14
NEO	000	316	2930323.938	615242.770	11.833	UTM 14
			0.009	0.008	0.006	
SFMC		316	0.99976397	0 30 56.868079		UTM 14
NEO	000	317	2931155.446	618207.217	10.233	UTM 14
			0.008	0.008	0.005	
SFMC		317	0.99977251	0 31 45.244245		UTM 14
NEO	000	318	2932188.071	629752.725	8.046	UTM 14
			0.008	0.008	0.006	
SFMC		318	0.99980786	0 34 52.123212		UTM 14
NEO	000	319	2932660.574	622680.050	9.932	UTM 14
			0.007	0.007	0.005	
SFMC		319	0.99978581	0 32 58.488237		UTM 14
NEO	000	32	2944874.005	568107.178	56.853	UTM 14
			0.005	0.005	0.005	
SFMC		32	0.99965727	0 18 23.787919		UTM 14
NEO	000	320	2914182.094	619118.983	12.541	UTM 14
			0.008	0.008	0.006	
SFMC		320	0.99977519	0 31 47.106662		UTM 14
NEO	000	321	2914435.236	616844.585	12.413	UTM 14
			0.009	0.009	0.007	
SFMC		321	0.99976856	0 31 10.890951		UTM 14

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
NEO	000	322	2916738.229	616820.617	13.552	UTM 14
			0.010	0.010	0.008	
SFMC		322	0.99976849	0 31 12.212539		UTM 14
NEO	000	323	2919631.097	616169.841	12.067	UTM 14
			0.010	0.010	0.008	
SFMC		323	0.99976662	0 31 3.916754		UTM 14
NEO	000	324	2925402.471	616664.085	11.990	UTM 14
			0.009	0.009	0.007	
SFMC		324	0.99976804	0 31 16.116826		UTM 14
NEO	000	325	2926226.635	613389.964	11.357	UTM 14
			0.010	0.010	0.008	
SFMC		325	0.99975874	0 30 24.071763		UTM 14
NEO	000	33	2946333.500	565907.898	63.649	UTM 14
			0.006	0.006	0.005	
SFMC		33	0.99965363	0 17 48.760825		UTM 14
NEO	000	34	2943876.127	563535.589	74.089	UTM 14
			0.006	0.006	0.006	
SFMC		34	0.99964984	0 17 9.300485		UTM 14
NEO	000	35	2937993.110	562706.982	86.002	UTM 14
			0.008	0.008	0.007	
SFMC		35	0.99964855	0 16 53.530055		UTM 14
NEO	000	36	2933309.375	561257.895	97.529	UTM 14
			0.008	0.008	0.008	
SFMC		36	0.99964633	0 16 28.285861		UTM 14
NEO	000	37	2929451.151	558871.315	101.278	UTM 14
			0.009	0.009	0.009	
SFMC		37	0.99964279	0 15 48.342065		UTM 14
NEO	000	38	2944243.822	570203.077	49.765	UTM 14
			0.005	0.005	0.005	
SFMC		38	0.99966084	0 18 57.470301		UTM 14
NEO	000	39	2942380.514	576597.906	33.355	UTM 14
			0.008	0.008	0.008	
SFMC		39	0.99967243	0 20 40.162459		UTM 14
NEO	000	4	2928035.320	573207.515	51.419	UTM 14
			0.004	0.004	0.004	
SFMC		4	0.99966617	0 19 38.598917		UTM 14
NEO	000	40	2940541.987	587554.273	22.194	UTM 14
			0.010	0.010	0.010	
SFMC		40	0.99969464	0 23 36.501630		UTM 14
NEO	000	41	2943879.153	588094.018	21.786	UTM 14
			0.011	0.011	0.011	
SFMC		41	0.99969581	0 23 47.103764		UTM 14
NEO	000	42	2946788.641	588568.103	20.377	UTM 14
			0.012	0.012	0.012	
SFMC		42	0.99969684	0 23 56.423599		UTM 14
NEO	000	43	2950530.255	587891.336	24.591	UTM 14
			0.014	0.014	0.014	
SFMC		43	0.99969537	0 23 47.544621		UTM 14
NEO	000	44	2954614.572	588595.160	24.453	UTM 14
			0.015	0.015	0.015	
SFMC		44	0.99969690	0 24 1.281322		UTM 14
NEO	000	45	2957847.619	589065.992	23.195	UTM 14

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
			0.016	0.016	0.016	
SFMC		45	0.99969793	0 24 10.776511		UTM 14
NEO	000	46	2961701.919	589651.628	19.164	UTM 14
			0.018	0.018	0.018	
SFMC		46	0.99969922	0 24 22.519669		UTM 14
NEO	000	47	2901619.131	581884.663	32.121	UTM 14
			0.002	0.002	0.003	
SFMC		47	0.99968278	0 21 44.567870		UTM 14
NEO	000	48	2902433.677	580410.326	32.949	UTM 14
			0.003	0.003	0.003	
SFMC		48	0.99967983	0 21 21.496489		UTM 14
NEO	000	48B	2902442.405	580423.176	33.020	UTM 14
			0.003	0.003	0.003	
SFMC		48B	0.99967986	0 21 21.705693		UTM 14
NEO	000	49	2904403.895	579922.063	32.922	UTM 14
			0.005	0.005	0.005	
SFMC		49	0.99967886	0 21 14.712368		UTM 14
NEO	000	49B	2904406.424	579903.962	32.900	UTM 14
			0.005	0.005	0.005	
SFMC		49B	0.99967883	0 21 14.424989		UTM 14
NEO	000	5	2927043.372	579596.711	34.087	UTM 14
			0.006	0.006	0.005	
SFMC		5	0.99967822	0 21 20.947155		UTM 14
NEO	000	50	2906196.136	579781.738	32.853	UTM 14
			0.006	0.006	0.006	
SFMC		50	0.99967859	0 21 13.379516		UTM 14
NEO	000	51	2909029.044	580241.902	30.087	UTM 14
			0.008	0.008	0.008	
SFMC		51	0.99967949	0 21 22.162352		UTM 14
NEO	000	52	2911411.418	580509.763	29.032	UTM 14
			0.008	0.008	0.008	
SFMC		52	0.99968003	0 21 27.656700		UTM 14
NEO	000	53	2913269.144	580943.106	27.616	UTM 14
			0.009	0.009	0.009	
SFMC		53	0.99968089	0 21 35.539291		UTM 14
NEO	000	54	2913839.837	575448.472	37.570	UTM 14
			0.010	0.010	0.010	
SFMC		54	0.99967028	0 20 7.878023		UTM 14
NEO	000	57	2917191.426	584708.957	25.783	UTM 14
			0.007	0.007	0.007	
SFMC		57	0.99968859	0 22 37.911250		UTM 14
NEO	000	58	2915598.037	585088.565	26.909	UTM 14
			0.008	0.008	0.008	
SFMC		58	0.99968939	0 22 43.136051		UTM 14
NEO	000	59	2912426.829	589822.638	24.270	UTM 14
			0.009	0.009	0.009	
SFMC		59	0.99969961	0 23 57.159613		UTM 14
NEO	000	6	2924976.614	593052.026	23.383	UTM 14
			0.005	0.005	0.005	
SFMC		6	0.99970690	0 24 56.226673		UTM 14
NEO	000	60	2909878.891	589516.458	24.892	UTM 14
			0.009	0.009	0.009	

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
SFMC		60	0.99969893	0 23 50.816738		UTM 14
NEO	000	61	2905529.310	589776.727	27.208	UTM 14
			0.008	0.008	0.008	
SFMC		61	0.99969951	0 23 52.503901		UTM 14
NEO	000	62	2908741.778	593534.858	22.299	UTM 14
			0.010	0.010	0.010	
SFMC		62	0.99970802	0 24 54.361508		UTM 14
NEO	000	63	2907417.009	585413.191	28.939	UTM 14
			0.007	0.007	0.007	
SFMC		63	0.99969007	0 22 43.909220		UTM 14
NEO	000	64	2906391.002	584791.920	29.623	UTM 14
			0.007	0.007	0.007	
SFMC		64	0.99968877	0 22 33.439263		UTM 14
NEO	000	65	2925648.809	587830.169	20.403	UTM 14
			0.003	0.003	0.001	
SFMC		65	0.99969524	0 23 32.650382		UTM 14
NEO	000	66	2903661.677	576219.459	36.238	UTM 14
			0.006	0.006	0.006	
SFMC		66	0.99967173	0 20 15.307056		UTM 14
NEO	000	67	2904163.119	576229.434	35.792	UTM 14
			0.006	0.006	0.006	
SFMC		67	0.99967174	0 20 15.707959		UTM 14
NEO	000	68	2905901.062	576595.937	34.083	UTM 14
			0.007	0.007	0.007	
SFMC		68	0.99967244	0 20 22.394731		UTM 14
NEO	000	69	2908104.079	576046.389	33.859	UTM 14
			0.008	0.008	0.008	
SFMC		69	0.99967140	0 20 14.686126		UTM 14
NEO	000	7	2925368.079	598505.309	19.434	UTM 14
			0.009	0.009	0.009	
SFMC		7	0.99971980	0 26 24.140504		UTM 14
NEO	000	70	2910278.436	577335.815	31.375	UTM 14
			0.009	0.009	0.009	
SFMC		70	0.99967384	0 20 36.344496		UTM 14
NEO	000	71	2908520.410	578210.972	31.617	UTM 14
			0.008	0.008	0.008	
SFMC		71	0.99967552	0 20 49.462866		UTM 14
NEO	000	72	2917221.854	584431.470	25.987	UTM 14
			0.007	0.007	0.007	
SFMC		72	0.99968801	0 22 33.479975		UTM 14
NEO	000	73	2913125.395	584087.692	27.621	UTM 14
			0.008	0.008	0.008	
SFMC		73	0.99968730	0 22 25.786451		UTM 14
NEO	000	74	2910503.844	583457.421	29.595	UTM 14
			0.008	0.008	0.008	
SFMC		74	0.99968599	0 22 14.314600		UTM 14
NEO	000	75	2909501.391	582706.388	28.820	UTM 14
			0.008	0.008	0.008	
SFMC		75	0.99968445	0 22 1.783674		UTM 14
NEO	000	76	2906683.670	577930.442	32.360	UTM 14
			0.007	0.007	0.007	
SFMC		76	0.99967498	0 20 44.075562		UTM 14

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
NEO	000	77	2906339.306 0.007	577436.844 0.007	32.612 0.007	UTM 14
SFMC		77	0.99967403	0 20 36.027955		UTM 14
NEO	000	78	2914729.744 0.010	575171.892 0.010	39.277 0.013	UTM 14
SFMC		78	0.99966977	0 20 3.874652		UTM 14
NEO	000	79	2911651.045 0.015	562731.513 0.015	61.841 0.015	UTM 14
SFMC		79	0.99964859	0 16 43.436155		UTM 14
NEO	000	8	2930509.010 0.010	599173.643 0.010	15.310 0.010	UTM 14
SFMC		8	0.99972143	0 26 38.124267		UTM 14
NEO	000	80	2913536.338 0.019	554995.824 0.019	70.827 0.019	UTM 14
SFMC		80	0.99963734	0 14 40.363298		UTM 14
NEO	000	9	2916393.475 0.010	596590.061 0.010	19.297 0.010	UTM 14
SFMC		9	0.99971519	0 25 47.846557		UTM 14
NEO	001	B 1408	2934393.835 0.008	621858.586 0.008	10.468 0.000	UTM 14
SFMC		B 1408	0.99978333	0 32 46.586756		UTM 14
NEO	000	E 630 RESET	2947952.444 0.015	564180.544 0.015	67.616 0.015	UTM 14
SFMC		E 630 RESET	0.99965085	0 17 21.414388		UTM 14
NEO	111	KVTX	3047394.637 0.000	609312.229 0.000	24.913 0.000	UTM 14
SFMC		KVTX	0.99974749	0 30 43.388103		UTM 14
NEO	001	N 1408	2910643.337 0.007	622410.869 0.007	13.726 0.000	UTM 14
SFMC		N 1408	0.99978500	0 32 37.049997		UTM 14
NEO	000	R 630 RESET	2941771.542 0.011	578606.924 0.011	31.497 0.010	UTM 14
SFMC		R 630 RESET	0.99967628	0 21 12.380830		UTM 14
NEO	111	TXLR	3043432.464 0.000	455763.116 0.000	138.963 0.000	UTM 14
SFMC		TXLR	0.99962415	0-12 24.932391		UTM 14
NEO	111	TXPR	2899025.141 0.000	580996.045 0.000	40.385 0.000	UTM 14
SFMC		TXPR	0.99968100	0 21 29.083784		UTM 14
NEO	000	U 630 RESET	2939859.965 0.010	582561.693 0.010	27.031 0.010	UTM 14
SFMC		U 630 RESET	0.99968415	0 22 15.382160		UTM 14

Adjusted PLH Coordinates:

CODE	FFF	STATION	LATITUDE STD DEV	LONGITUDE STD DEV	ELIP-HEIGHT STD DEV
PLH	000	1	N 26 34 44.06019	W 98 10 46.83987	3.890
			0.010	0.010	0.010
PLH	000	10	N 26 22 49.63375	W 98 06 19.61333	5.872
			0.007	0.007	0.006
PLH	000	1001	N 26 17 35.41181	W 97 45 49.19600	-10.957
			0.007	0.007	0.003
PLH	000	1002	N 26 28 17.55614	W 97 45 41.97137	-14.163
			0.007	0.007	0.003
PLH	000	1003	N 26 32 17.09261	W 97 25 15.01344	-21.035
			0.016	0.016	0.015
PLH	000	1004	N 26 33 23.95843	W 97 26 9.49148	-20.169
			0.016	0.016	0.015
PLH	000	101	N 26 28 26.55094	W 98 17 15.57889	32.465
			0.004	0.004	0.003
PLH	000	102	N 26 26 55.77740	W 98 07 19.98311	-1.068
			0.003	0.003	0.001
PLH	000	103	N 26 37 22.76648	W 98 18 58.39863	32.854
			0.005	0.005	0.005
PLH	000	105	N 26 32 48.79794	W 97 46 24.77520	-12.327
			0.011	0.011	0.010
PLH	000	11	N 26 23 48.97734	W 98 08 24.33318	2.014
			0.006	0.006	0.005
PLH	000	12	N 26 26 48.20964	W 98 07 54.93616	1.519
			0.003	0.003	0.001
PLH	000	13	N 26 30 11.97265	W 98 07 56.86720	-0.746
			0.006	0.006	0.005
PLH	000	14	N 26 22 13.71141	W 98 01 20.13924	-3.411
			0.010	0.010	0.010
PLH	000	15	N 26 23 2.85751	W 97 58 0.32767	-4.401
			0.013	0.013	0.013
PLH	000	16	N 26 25 11.31359	W 97 57 23.72204	-6.529
			0.013	0.013	0.013
PLH	000	17	N 26 23 9.02604	W 97 52 37.72085	-8.829
			0.018	0.018	0.018
PLH	000	18	N 26 21 7.60280	W 97 58 30.76981	-3.405
			0.013	0.013	0.013
PLH	000	19	N 26 19 6.82909	W 98 01 42.01561	1.449
			0.011	0.011	0.011
PLH	000	2	N 26 33 45.52863	W 98 07 59.45011	-3.071
			0.009	0.009	0.009
PLH	000	20	N 26 19 40.49998	W 98 02 49.90026	-0.320
			0.010	0.010	0.010
PLH	000	201	N 26 34 9.81115	W 97 25 44.53322	-21.948
			0.023	0.023	0.022
PLH	000	202	N 26 32 15.99574	W 97 25 13.94343	-21.585
			0.022	0.022	0.022
PLH	000	203	N 26 30 52.96112	W 97 27 25.52647	-19.601
			0.020	0.020	0.020
PLH	000	204	N 26 30 14.59242	W 97 29 21.37772	-19.692
			0.019	0.019	0.018
PLH	000	205	N 26 29 45.13938	W 97 31 19.71742	-18.662
			0.017	0.017	0.016

Adjusted PLH Coordinates:

CODE	FFF	STATION	LATITUDE	LONGITUDE	ELIP-HEIGHT
			STD DEV	STD DEV	STD DEV
PLH	000	206	N 26 29 22.35913	W 97 34 13.95191	-17.202
			0.014	0.014	0.013
PLH	000	207	N 26 29 37.35479	W 97 35 49.16505	-16.613
			0.013	0.013	0.012
PLH	000	208	N 26 35 42.44232	W 97 46 1.47176	-14.792
			0.013	0.013	0.011
PLH	000	209	N 26 34 5.68391	W 97 46 15.15626	-11.525
			0.011	0.011	0.009
PLH	000	21	N 26 24 24.89776	W 98 01 11.07657	-2.422
			0.009	0.009	0.009
PLH	000	210	N 26 32 16.66136	W 97 46 30.12276	-11.723
			0.009	0.009	0.007
PLH	000	211	N 26 32 5.08910	W 97 50 52.85472	-14.496
			0.011	0.011	0.009
PLH	000	212	N 26 31 5.41325	W 97 51 38.34174	-13.089
			0.010	0.010	0.009
PLH	000	213	N 26 30 25.95729	W 97 52 51.16904	-11.913
			0.011	0.011	0.009
PLH	000	214	N 26 31 52.56069	W 97 56 55.08368	-10.392
			0.013	0.013	0.012
PLH	000	215	N 26 29 18.77262	W 97 58 21.26489	-8.986
			0.013	0.013	0.012
PLH	000	216	N 26 20 17.87379	W 97 47 1.30596	-10.495
			0.008	0.008	0.005
PLH	000	217	N 26 20 50.53718	W 97 51 21.96562	-9.663
			0.010	0.010	0.008
PLH	000	218	N 26 20 39.88022	W 97 49 44.11397	-10.707
			0.009	0.009	0.007
PLH	000	219	N 26 20 34.40064	W 97 45 6.21586	-11.803
			0.008	0.008	0.005
PLH	000	22	N 26 28 43.59795	W 98 18 51.91132	43.198
			0.005	0.005	0.004
PLH	000	220	N 26 21 26.29124	W 97 43 10.14590	-12.758
			0.009	0.009	0.007
PLH	000	221	N 26 19 39.21468	W 97 40 0.81402	-13.875
			0.010	0.010	0.008
PLH	000	222	N 26 22 21.81281	W 97 40 22.67774	-15.002
			0.010	0.010	0.008
PLH	000	223	N 26 24 3.62354	W 97 42 27.55437	-14.187
			0.009	0.009	0.007
PLH	000	224	N 26 24 3.36834	W 97 46 52.14117	-12.994
			0.008	0.008	0.006
PLH	000	225	N 26 30 17.84072	W 97 38 22.63863	-17.412
			0.012	0.012	0.010
PLH	000	226	N 26 32 0.07879	W 97 42 15.88195	-14.915
			0.010	0.010	0.008
PLH	000	227	N 26 30 40.11492	W 97 45 10.03587	-14.219
			0.008	0.008	0.005
PLH	000	228	N 26 31 33.85324	W 97 47 29.77660	-14.011
			0.009	0.009	0.006
PLH	000	229	N 26 28 54.71468	W 97 47 37.46432	-13.913
			0.007	0.007	0.004

Adjusted PLH Coordinates:

CODE	FFF	STATION	LATITUDE STD DEV	LONGITUDE STD DEV	ELIP-HEIGHT STD DEV
PLH	000	23	N 26 28 36.01898	W 98 21 19.96014	58.471
			0.007	0.007	0.006
PLH	000	230	N 26 27 8.29495	W 97 47 50.84530	-13.700
			0.007	0.007	0.005
PLH	000	231	N 26 27 6.16418	W 97 50 47.21635	-11.291
			0.009	0.009	0.008
PLH	000	232	N 26 27 1.50152	W 97 54 49.42194	-9.649
			0.013	0.013	0.012
PLH	000	233	N 26 27 22.69959	W 97 57 14.38266	-9.072
			0.015	0.015	0.014
PLH	000	234	N 26 28 31.08905	W 97 58 59.31667	-7.678
			0.016	0.016	0.016
PLH	000	235	N 26 29 32.89095	W 97 54 49.57199	-11.738
			0.013	0.013	0.012
PLH	000	236	N 26 25 18.95210	W 97 51 38.92783	-11.376
			0.010	0.010	0.009
PLH	000	237	N 26 23 9.55439	W 97 49 45.04617	-11.731
			0.010	0.010	0.008
PLH	000	238	N 26 22 18.66281	W 97 47 29.52931	-10.957
			0.009	0.009	0.007
PLH	000	239	N 26 25 47.81757	W 97 47 3.84008	-13.640
			0.008	0.008	0.005
PLH	000	24	N 26 26 25.95363	W 98 21 42.12262	58.416
			0.008	0.008	0.007
PLH	000	240	N 26 28 56.51300	W 97 43 27.23171	-15.049
			0.007	0.007	0.005
PLH	000	241	N 26 30 46.15788	W 97 41 17.42913	-16.526
			0.010	0.010	0.008
PLH	000	242	N 26 31 35.84445	W 97 37 36.63139	-17.014
			0.013	0.013	0.012
PLH	000	243	N 26 27 20.40455	W 97 36 28.77096	-17.243
			0.013	0.013	0.012
PLH	000	244	N 26 25 8.28722	W 97 32 49.19421	-18.549
			0.016	0.016	0.015
PLH	000	245	N 26 23 25.93580	W 97 33 36.94991	-17.862
			0.015	0.015	0.014
PLH	000	246	N 26 22 33.48901	W 97 31 0.69606	-16.117
			0.017	0.017	0.016
PLH	000	247	N 26 18 37.87912	W 97 34 32.21676	-16.386
			0.015	0.014	0.013
PLH	000	248	N 26 20 29.39412	W 97 34 34.02151	-16.666
			0.014	0.014	0.013
PLH	000	249	N 26 34 34.05951	W 97 20 52.22561	-22.810
			0.017	0.017	0.016
PLH	000	25	N 26 24 59.72172	W 98 19 23.12516	39.081
			0.007	0.007	0.007
PLH	000	250	N 26 33 45.69999	W 97 20 29.58875	-22.779
			0.017	0.017	0.016
PLH	000	251	N 26 30 25.77898	W 97 20 13.17956	-22.534
			0.017	0.017	0.017
PLH	000	252	N 26 28 30.67626	W 97 19 22.53057	-22.499
			0.018	0.018	0.017

Adjusted PLH Coordinates:

CODE	FFF	STATION	LATITUDE STD DEV	LONGITUDE STD DEV	ELIP-HEIGHT STD DEV
PLH	000	253	N 26 28 5.87834	W 97 40 26.08839	-15.589
			0.009	0.009	0.008
PLH	000	254	N 26 27 12.36781	W 97 42 24.55148	-14.041
			0.008	0.008	0.006
PLH	000	255	N 26 24 55.88838	W 97 43 6.16044	-13.754
			0.009	0.009	0.007
PLH	000	256	N 26 21 52.43727	W 97 43 10.39429	-13.185
			0.009	0.009	0.007
PLH	000	257	N 26 23 13.28982	W 97 39 24.75549	-15.858
			0.011	0.011	0.009
PLH	000	258	N 26 25 27.34301	W 97 36 59.17496	-16.527
			0.012	0.012	0.011
PLH	000	259	N 26 24 19.22850	W 97 34 20.20675	-17.635
			0.014	0.014	0.013
PLH	001	25R B	N 26 26 33.64363	W 98 07 26.61623	-3.277
			0.003	0.003	0.000
PLH	000	26	N 26 22 46.92624	W 98 19 47.79698	35.062
			0.009	0.009	0.009
PLH	000	260	N 26 23 9.63511	W 97 35 9.53453	-17.675
			0.014	0.014	0.013
PLH	000	261	N 26 21 58.66124	W 97 35 10.83549	-17.347
			0.014	0.014	0.013
PLH	000	262	N 26 20 33.23678	W 97 37 30.45787	-16.091
			0.012	0.012	0.011
PLH	000	263	N 26 28 27.01784	W 97 46 6.21840	-14.457
			0.007	0.007	0.003
PLH	000	264	N 26 30 9.35254	W 97 46 14.25800	-13.056
			0.007	0.007	0.004
PLH	000	265	N 26 30 13.85193	W 97 47 52.53946	-13.433
			0.008	0.008	0.005
PLH	000	266	N 26 25 22.12167	W 97 47 50.77797	-12.471
			0.008	0.008	0.006
PLH	000	267	N 26 24 28.05129	W 97 49 45.28642	-11.941
			0.009	0.009	0.008
PLH	000	268	N 26 26 12.88832	W 97 49 47.20972	-11.935
			0.009	0.009	0.007
PLH	000	269	N 26 28 0.38738	W 97 49 48.69451	-12.254
			0.009	0.009	0.006
PLH	000	27	N 26 21 14.70367	W 98 19 59.05557	33.234
			0.011	0.011	0.011
PLH	000	270	N 26 29 31.11454	W 97 49 47.91316	-11.997
			0.009	0.009	0.007
PLH	000	271	N 26 28 2.33551	W 97 42 29.46605	-14.640
			0.008	0.008	0.005
PLH	000	272	N 26 26 6.34319	W 97 40 19.46461	-15.674
			0.010	0.010	0.008
PLH	000	273	N 26 24 15.87135	W 97 40 23.45254	-15.407
			0.010	0.010	0.009
PLH	000	274	N 26 23 13.05775	W 97 41 21.00711	-14.952
			0.010	0.010	0.008
PLH	000	275	N 26 21 27.58426	W 97 41 20.99520	-14.111
			0.010	0.010	0.008

Adjusted PLH Coordinates:

CODE	FFF	STATION	LATITUDE STD DEV	LONGITUDE STD DEV	ELIP-HEIGHT STD DEV
PLH	000	276	N 26 19 38.29665	W 97 43 10.35884	-12.996
			0.008	0.008	0.006
PLH	000	277	N 26 22 19.01099	W 97 45 6.27298	-12.021
			0.009	0.009	0.007
PLH	000	278	N 26 22 18.59537	W 97 47 2.23814	-9.788
			0.009	0.009	0.007
PLH	000	279	N 26 22 21.82154	W 97 51 38.61875	-10.529
			0.011	0.011	0.009
PLH	000	28	N 26 19 13.55754	W 98 20 25.56311	29.900
			0.013	0.013	0.013
PLH	000	280	N 26 24 34.09142	W 97 51 39.00336	-11.405
			0.010	0.010	0.009
PLH	000	281	N 26 26 11.69931	W 97 51 39.72040	-11.254
			0.010	0.010	0.009
PLH	000	282	N 26 26 14.02461	W 97 46 19.14561	-14.452
			0.007	0.007	0.005
PLH	000	283	N 26 24 56.41406	W 97 45 6.36271	-12.984
			0.008	0.008	0.006
PLH	000	284	N 26 27 10.41334	W 97 44 53.29983	-14.764
			0.007	0.007	0.004
PLH	000	285	N 26 27 9.17604	W 97 46 17.93954	-13.930
			0.007	0.007	0.004
PLH	000	286	N 26 28 15.12744	W 97 45 52.53234	-15.086
			0.007	0.007	0.003
PLH	000	287	N 26 28 33.58948	W 97 46 14.35455	-14.027
			0.007	0.007	0.003
PLH	000	288	N 26 27 10.60523	W 97 46 49.87153	-13.674
			0.007	0.007	0.004
PLH	000	289	N 26 25 48.23934	W 97 47 20.66499	-13.996
			0.008	0.008	0.006
PLH	000	29	N 26 17 18.08666	W 98 21 9.48120	29.756
			0.015	0.015	0.015
PLH	000	290	N 26 24 43.69291	W 97 47 21.54601	-12.852
			0.008	0.008	0.006
PLH	000	291	N 26 23 44.75100	W 97 47 26.12871	-12.009
			0.009	0.009	0.007
PLH	000	292	N 26 21 40.21311	W 97 47 29.37133	-11.141
			0.009	0.009	0.007
PLH	000	293	N 26 21 0.19551	W 97 47 25.64809	-11.828
			0.008	0.008	0.006
PLH	000	294	N 26 21 25.64967	W 97 47 1.12174	-11.476
			0.008	0.008	0.006
PLH	000	295	N 26 21 26.27679	W 97 45 32.56330	-11.863
			0.008	0.008	0.006
PLH	000	296	N 26 21 38.31236	W 97 43 10.49213	-12.736
			0.009	0.009	0.007
PLH	000	297	N 26 22 34.44326	W 97 43 9.90514	-13.349
			0.009	0.009	0.007
PLH	000	298	N 26 23 44.21554	W 97 43 9.91053	-14.191
			0.009	0.009	0.007
PLH	000	299	N 26 24 52.36668	W 97 42 26.20461	-14.045
			0.009	0.009	0.007

Adjusted PLH Coordinates:

CODE	FFF	STATION	LATITUDE STD DEV	LONGITUDE STD DEV	ELIP-HEIGHT STD DEV
PLH	000	3	N 26 31 7.01677	W 98 07 46.31010	2.905
			0.007	0.007	0.006
PLH	000	30	N 26 18 27.61796	W 98 18 36.25925	24.691
			0.013	0.013	0.013
PLH	000	300	N 26 26 10.43251	W 97 42 26.22434	-14.870
			0.008	0.008	0.006
PLH	000	301	N 26 27 12.54248	W 97 42 13.20455	-14.141
			0.008	0.008	0.006
PLH	000	302	N 26 28 25.39477	W 97 42 29.33044	-15.354
			0.008	0.008	0.006
PLH	000	303	N 26 28 51.40156	W 97 40 25.13168	-16.227
			0.010	0.010	0.008
PLH	000	304	N 26 28 56.35161	W 97 44 35.23048	-14.279
			0.007	0.007	0.004
PLH	000	305	N 26 32 48.79816	W 97 46 24.77499	-12.327
			0.007	0.007	0.004
PLH	000	306	N 26 28 58.38909	W 97 46 14.43723	-14.628
			0.007	0.007	0.004
PLH	000	307	N 26 35 49.19602	W 97 46 0.21676	-14.694
			0.008	0.008	0.006
PLH	000	308	N 26 35 9.82643	W 97 46 4.79571	-12.984
			0.008	0.008	0.005
PLH	000	309	N 26 34 4.06064	W 97 46 13.96428	-11.408
			0.007	0.007	0.004
PLH	000	31	N 26 21 38.73037	W 98 18 51.94116	28.280
			0.010	0.010	0.010
PLH	000	310	N 26 33 36.21480	W 97 46 17.87929	-12.290
			0.007	0.007	0.004
PLH	000	311	N 26 32 26.26040	W 97 46 27.75846	-12.057
			0.007	0.007	0.005
PLH	000	312	N 26 31 7.49380	W 97 46 38.84727	-13.945
			0.007	0.007	0.004
PLH	000	313	N 26 31 7.66011	W 97 48 0.96524	-13.411
			0.007	0.007	0.005
PLH	000	314	N 26 31 33.03267	W 97 49 48.00448	-14.616
			0.010	0.010	0.009
PLH	000	315	N 26 31 6.32337	W 97 50 47.45256	-13.414
			0.008	0.008	0.006
PLH	000	316	N 26 29 19.29109	W 97 50 37.27647	-11.818
			0.009	0.008	0.006
PLH	000	317	N 26 29 45.43521	W 97 48 49.93751	-13.376
			0.008	0.008	0.005
PLH	000	318	N 26 30 15.35724	W 97 41 52.57726	-15.338
			0.008	0.008	0.006
PLH	000	319	N 26 30 32.98031	W 97 46 7.87103	-13.611
			0.007	0.007	0.005
PLH	000	32	N 26 37 23.17825	W 98 18 56.94049	32.468
			0.005	0.005	0.005
PLH	000	320	N 26 20 33.55181	W 97 48 22.69049	-10.715
			0.008	0.008	0.006
PLH	000	321	N 26 20 42.45562	W 97 49 44.64450	-10.897
			0.009	0.009	0.007

Adjusted PLH Coordinates:

CODE	FFF	STATION	LATITUDE STD DEV	LONGITUDE STD DEV	ELIP-HEIGHT STD DEV
PLH	000	322	N 26 21 57.30781	W 97 49 44.75527	-9.801
			0.010	0.010	0.008
PLH	000	323	N 26 23 31.51472	W 97 50 7.29068	-11.353
			0.010	0.010	0.008
PLH	000	324	N 26 26 38.93200	W 97 49 47.56320	-11.535
			0.009	0.009	0.007
PLH	000	325	N 26 27 6.67082	W 97 51 45.50114	-12.247
			0.010	0.010	0.008
PLH	000	33	N 26 38 10.99178	W 98 20 16.19853	39.233
			0.006	0.006	0.005
PLH	000	34	N 26 36 51.51301	W 98 21 42.44111	49.730
			0.006	0.006	0.006
PLH	000	35	N 26 33 40.43161	W 98 22 13.44982	61.760
			0.008	0.008	0.007
PLH	000	36	N 26 31 8.42414	W 98 23 6.63649	73.361
			0.008	0.008	0.008
PLH	000	37	N 26 29 3.38282	W 98 24 33.50568	77.161
			0.009	0.009	0.009
PLH	000	38	N 26 37 2.32574	W 98 17 41.27367	25.393
			0.005	0.005	0.005
PLH	000	39	N 26 36 0.56648	W 98 13 50.44124	9.035
			0.008	0.008	0.008
PLH	000	4	N 26 28 14.96130	W 98 15 55.99001	27.324
			0.004	0.004	0.004
PLH	000	40	N 26 34 58.51839	W 98 07 14.78244	-2.010
			0.010	0.010	0.010
PLH	000	41	N 26 36 46.85846	W 98 06 54.43752	-2.483
			0.011	0.011	0.011
PLH	000	42	N 26 38 21.31203	W 98 06 36.56353	-3.950
			0.012	0.012	0.012
PLH	000	43	N 26 40 23.06949	W 98 07 0.10328	0.179
			0.014	0.014	0.014
PLH	000	44	N 26 42 35.65255	W 98 06 33.60970	-0.042
			0.015	0.015	0.015
PLH	000	45	N 26 44 20.62011	W 98 06 15.74875	-1.368
			0.016	0.016	0.016
PLH	000	46	N 26 46 25.75061	W 98 05 53.56179	-5.478
			0.018	0.018	0.018
PLH	000	47	N 26 13 54.66039	W 98 10 48.68415	8.308
			0.002	0.002	0.003
PLH	000	48	N 26 14 21.43612	W 98 11 41.63615	9.111
			0.003	0.003	0.003
PLH	000	48B	N 26 14 21.71721	W 98 11 41.17106	9.182
			0.003	0.003	0.003
PLH	000	49	N 26 15 25.57280	W 98 11 58.79534	9.061
			0.005	0.005	0.005
PLH	000	49B	N 26 15 25.65863	W 98 11 59.44726	9.039
			0.005	0.005	0.005
PLH	000	5	N 26 27 41.48240	W 98 12 5.47341	10.046
			0.006	0.006	0.005
PLH	000	50	N 26 16 23.85439	W 98 12 3.45496	8.976
			0.006	0.006	0.006

Adjusted PLH Coordinates:

CODE	FFF	STATION	LATITUDE	STD DEV	LONGITUDE	STD DEV	ELIP-HEIGHT	STD DEV
PLH	000	51	N 26 17 55.83980	0.008	W 98 11 46.23035	0.008	6.192	0.008
PLH	000	52	N 26 19 13.21958	0.008	W 98 11 36.03512	0.008	5.122	0.008
PLH	000	53	N 26 20 13.51258	0.009	W 98 11 19.98510	0.009	3.696	0.009
PLH	000	54	N 26 20 33.14558	0.010	W 98 14 38.06863	0.010	13.597	0.010
PLH	000	57	N 26 22 20.20917	0.007	W 98 09 3.21317	0.007	1.882	0.007
PLH	000	58	N 26 21 28.33905	0.008	W 98 08 49.89603	0.008	3.025	0.008
PLH	000	59	N 26 19 44.22356	0.009	W 98 05 59.89863	0.009	0.476	0.009
PLH	000	6	N 26 26 31.36505	0.005	W 98 04 0.14260	0.005	-0.495	0.005
PLH	000	60	N 26 18 21.47950	0.009	W 98 06 11.57992	0.009	1.114	0.009
PLH	000	61	N 26 16 0.04986	0.008	W 98 06 3.28432	0.008	3.472	0.008
PLH	000	62	N 26 17 43.59498	0.010	W 98 03 46.96823	0.010	-1.407	0.010
PLH	000	63	N 26 17 2.36607	0.007	W 98 08 40.13841	0.007	5.123	0.007
PLH	000	64	N 26 16 29.15115	0.007	W 98 09 2.78122	0.007	5.807	0.007
PLH	000	65	N 26 26 54.40906	0.003	W 98 07 8.50516	0.003	-3.542	0.001
PLH	000	66	N 26 15 2.17466	0.006	W 98 14 12.42282	0.006	12.348	0.006
PLH	000	67	N 26 15 18.47137	0.006	W 98 14 11.95674	0.006	11.898	0.006
PLH	000	68	N 26 16 14.89003	0.007	W 98 13 58.37424	0.007	10.177	0.007
PLH	000	69	N 26 17 26.60092	0.008	W 98 14 17.71890	0.008	9.931	0.008
PLH	000	7	N 26 26 42.76455	0.009	W 98 00 43.15356	0.009	-4.382	0.009
PLH	000	70	N 26 18 37.02547	0.009	W 98 13 30.75497	0.009	7.442	0.009
PLH	000	71	N 26 17 39.71277	0.008	W 98 12 59.57751	0.008	7.705	0.008
PLH	000	72	N 26 22 21.25742	0.007	W 98 09 13.21844	0.007	2.082	0.007
PLH	000	73	N 26 20 8.18596	0.008	W 98 09 26.58793	0.008	3.742	0.008
PLH	000	74	N 26 18 43.11201	0.008	W 98 09 49.93460	0.008	5.728	0.008
PLH	000	75	N 26 18 10.68677	0.008	W 98 10 17.25161	0.008	4.951	0.008
PLH	000	76	N 26 16 40.06799	0.007	W 98 13 10.09274	0.007	8.460	0.007

Adjusted PLH Coordinates:

CODE	FFF	STATION	LATITUDE	STD DEV	LONGITUDE	STD DEV	ELIP-HEIGHT	STD DEV
PLH	000	77	N 26 16 28.97150	0.007	W 98 13 27.96332	0.007	8.710	0.007
PLH	000	78	N 26 21 2.12286	0.010	W 98 14 47.85868	0.010	15.296	0.013
PLH	000	79	N 26 19 24.21759	0.015	W 98 22 17.21439	0.015	37.841	0.015
PLH	000	8	N 26 29 29.67978	0.010	W 98 00 17.58722	0.010	-8.592	0.010
PLH	000	80	N 26 20 26.64590	0.019	W 98 26 55.94685	0.019	46.815	0.019
PLH	000	9	N 26 21 51.55432	0.010	W 98 01 54.73668	0.010	-4.427	0.010
PLH	001	B 1408	N 26 31 29.56253	0.008	W 97 46 36.94629	0.008	-13.127	0.000
PLH	000	E 630 RESET	N 26 39 3.89862	0.015	W 98 21 18.37585	0.015	43.167	0.015
PLH	111	KVTX	N 27 32 45.40708	0.000	W 97 53 34.34552	0.000	-1.293	0.000
PLH	001	N 1408	N 26 18 37.54452	0.007	W 97 46 25.16644	0.007	-9.393	0.000
PLH	000	R 630 RESET	N 26 35 40.37613	0.011	W 98 12 37.94227	0.011	7.199	0.010
PLH	111	TXLR	N 27 30 49.91332	0.000	W 99 26 52.50981	0.000	114.910	0.000
PLH	111	TXPR	N 26 12 30.52902	0.000	W 98 11 21.29396	0.000	16.582	0.000
PLH	000	U 630 RESET	N 26 34 37.43429	0.010	W 98 10 15.41566	0.010	2.801	0.010

Geoid Values:

CODE	NAME	N/S DEFLECTION	E/W DEFLECTION	UNDULATION
GEOI	1	+ 0 0 4.4	- 0 0 1.3	-24.241
GEOI	10	+ 0 0 2.0	- 0 0 2.5	-23.851
GEOI	1001	+ 0 0 3.7	- 0 0 4.2	-23.063
GEOI	1002	+ 0 0 4.1	- 0 0 3.9	-23.447
GEOI	1003	+ 0 0 4.4	- 0 0 3.8	-22.850
GEOI	1004	+ 0 0 4.4	- 0 0 3.9	-22.926
GEOI	101	+ 0 0 2.2	- 0 0 0.7	-24.108
GEOI	102	+ 0 0 2.5	- 0 0 1.9	-23.949
GEOI	103	+ 0 0 4.3	+ 0 0 0.1	-24.386
GEOI	105	+ 0 0 4.0	- 0 0 4.0	-23.634
GEOI	11	+ 0 0 2.1	- 0 0 2.2	-23.909
GEOI	12	+ 0 0 2.6	- 0 0 1.9	-23.956
GEOI	13	+ 0 0 3.5	- 0 0 1.7	-24.042
GEOI	14	+ 0 0 2.5	- 0 0 3.3	-23.715
GEOI	15	+ 0 0 3.4	- 0 0 3.1	-23.639
GEOI	16	+ 0 0 3.8	- 0 0 3.0	-23.690
GEOI	17	+ 0 0 3.8	- 0 0 3.4	-23.488
GEOI	18	+ 0 0 2.6	- 0 0 3.4	-23.606
GEOI	19	+ 0 0 1.9	- 0 0 3.6	-23.666
GEOI	2	+ 0 0 4.3	- 0 0 1.5	-24.167
GEOI	20	+ 0 0 1.9	- 0 0 3.4	-23.710
GEOI	201	+ 0 0 4.4	- 0 0 3.9	-22.942
GEOI	202	+ 0 0 4.4	- 0 0 3.8	-22.849
GEOI	203	+ 0 0 4.2	- 0 0 3.9	-22.873
GEOI	204	+ 0 0 4.2	- 0 0 4.0	-22.917
GEOI	205	+ 0 0 4.1	- 0 0 4.1	-22.971
GEOI	206	+ 0 0 4.1	- 0 0 4.3	-23.069
GEOI	207	+ 0 0 4.0	- 0 0 4.4	-23.140
GEOI	208	+ 0 0 3.9	- 0 0 3.9	-23.719
GEOI	209	+ 0 0 3.8	- 0 0 4.0	-23.673
GEOI	21	+ 0 0 2.9	- 0 0 2.8	-23.763
GEOI	210	+ 0 0 3.8	- 0 0 4.1	-23.619
GEOI	211	+ 0 0 3.8	- 0 0 3.4	-23.757
GEOI	212	+ 0 0 3.8	- 0 0 3.2	-23.744
GEOI	213	+ 0 0 3.9	- 0 0 3.1	-23.756
GEOI	214	+ 0 0 3.7	- 0 0 2.7	-23.908
GEOI	215	+ 0 0 3.9	- 0 0 2.6	-23.855
GEOI	216	+ 0 0 4.0	- 0 0 4.0	-23.199
GEOI	217	+ 0 0 3.6	- 0 0 3.9	-23.372
GEOI	218	+ 0 0 3.8	- 0 0 3.9	-23.309
GEOI	219	+ 0 0 4.1	- 0 0 4.0	-23.139
GEOI	22	+ 0 0 2.3	- 0 0 0.3	-24.119
GEOI	220	+ 0 0 4.1	- 0 0 3.8	-23.104
GEOI	221	+ 0 0 4.2	- 0 0 4.0	-22.927
GEOI	222	+ 0 0 4.3	- 0 0 4.0	-23.044
GEOI	223	+ 0 0 4.2	- 0 0 3.8	-23.180
GEOI	224	+ 0 0 4.2	- 0 0 3.8	-23.329
GEOI	225	+ 0 0 3.9	- 0 0 4.2	-23.262
GEOI	226	+ 0 0 3.8	- 0 0 3.9	-23.459
GEOI	227	+ 0 0 3.9	- 0 0 4.0	-23.513
GEOI	228	+ 0 0 4.0	- 0 0 3.8	-23.628
GEOI	229	+ 0 0 4.1	- 0 0 3.8	-23.537
GEOI	23	+ 0 0 2.2	+ 0 0 0.0	-24.118

Geoid Values:

CODE	NAME	N/S DEFLECTION	E/W DEFLECTION	UNDULATION
GEOI	230	+ 0 0 4.1	- 0 0 3.8	-23.479
GEOI	231	+ 0 0 4.2	- 0 0 3.5	-23.574
GEOI	232	+ 0 0 3.9	- 0 0 3.0	-23.687
GEOI	233	+ 0 0 4.0	- 0 0 2.8	-23.761
GEOI	234	+ 0 0 3.8	- 0 0 2.5	-23.840
GEOI	235	+ 0 0 3.8	- 0 0 2.8	-23.778
GEOI	236	+ 0 0 4.1	- 0 0 3.5	-23.534
GEOI	237	+ 0 0 4.0	- 0 0 3.7	-23.395
GEOI	238	+ 0 0 4.0	- 0 0 4.0	-23.288
GEOI	239	+ 0 0 4.2	- 0 0 3.8	-23.401
GEOI	24	+ 0 0 1.4	+ 0 0 0.0	-24.084
GEOI	240	+ 0 0 4.0	- 0 0 3.8	-23.392
GEOI	241	+ 0 0 3.8	- 0 0 3.9	-23.381
GEOI	242	+ 0 0 3.8	- 0 0 4.0	-23.280
GEOI	243	+ 0 0 4.1	- 0 0 4.4	-23.084
GEOI	244	+ 0 0 3.9	- 0 0 4.2	-22.862
GEOI	245	+ 0 0 4.0	- 0 0 4.2	-22.831
GEOI	246	+ 0 0 4.0	- 0 0 4.3	-22.703
GEOI	247	+ 0 0 4.1	- 0 0 4.2	-22.691
GEOI	248	+ 0 0 4.1	- 0 0 4.1	-22.760
GEOI	249	+ 0 0 4.6	- 0 0 3.2	-22.798
GEOI	25	+ 0 0 1.2	- 0 0 0.5	-24.066
GEOI	250	+ 0 0 4.5	- 0 0 2.9	-22.755
GEOI	251	+ 0 0 4.2	- 0 0 2.9	-22.617
GEOI	252	+ 0 0 4.4	- 0 0 2.7	-22.520
GEOI	253	+ 0 0 3.9	- 0 0 4.0	-23.259
GEOI	254	+ 0 0 4.1	- 0 0 3.8	-23.294
GEOI	255	+ 0 0 4.2	- 0 0 3.7	-23.234
GEOI	256	+ 0 0 4.3	- 0 0 3.7	-23.120
GEOI	257	+ 0 0 4.3	- 0 0 4.1	-23.042
GEOI	258	+ 0 0 4.1	- 0 0 4.3	-23.034
GEOI	259	+ 0 0 4.1	- 0 0 4.2	-22.890
GEOI	25R B	+ 0 0 2.5	- 0 0 2.0	-23.943
GEOI	26	+ 0 0 1.4	- 0 0 0.5	-24.039
GEOI	260	+ 0 0 3.9	- 0 0 4.3	-22.881
GEOI	261	+ 0 0 4.2	- 0 0 4.2	-22.838
GEOI	262	+ 0 0 4.2	- 0 0 4.2	-22.872
GEOI	263	+ 0 0 4.1	- 0 0 3.9	-23.467
GEOI	264	+ 0 0 4.0	- 0 0 3.9	-23.532
GEOI	265	+ 0 0 4.0	- 0 0 4.0	-23.594
GEOI	266	+ 0 0 4.1	- 0 0 3.9	-23.413
GEOI	267	+ 0 0 4.1	- 0 0 3.7	-23.443
GEOI	268	+ 0 0 4.2	- 0 0 3.7	-23.509
GEOI	269	+ 0 0 4.1	- 0 0 3.6	-23.577
GEOI	27	+ 0 0 1.6	- 0 0 0.4	-24.019
GEOI	270	+ 0 0 4.0	- 0 0 3.6	-23.632
GEOI	271	+ 0 0 4.0	- 0 0 3.9	-23.328
GEOI	272	+ 0 0 4.1	- 0 0 4.1	-23.183
GEOI	273	+ 0 0 4.3	- 0 0 4.0	-23.116
GEOI	274	+ 0 0 4.2	- 0 0 3.9	-23.110
GEOI	275	+ 0 0 4.2	- 0 0 3.9	-23.043
GEOI	276	+ 0 0 4.1	- 0 0 3.9	-23.037
GEOI	277	+ 0 0 4.2	- 0 0 3.8	-23.204

Geoid Values:

CODE	NAME	N/S DEFLECTION	E/W DEFLECTION	UNDULATION
GEOI	278	+ 0 0 4.1	- 0 0 4.0	-23.271
GEOI	279	+ 0 0 3.8	- 0 0 3.5	-23.430
GEOI	28	+ 0 0 1.6	- 0 0 0.4	-23.993
GEOI	280	+ 0 0 4.1	- 0 0 3.5	-23.506
GEOI	281	+ 0 0 4.1	- 0 0 3.4	-23.567
GEOI	282	+ 0 0 4.2	- 0 0 3.8	-23.392
GEOI	283	+ 0 0 4.2	- 0 0 3.8	-23.302
GEOI	284	+ 0 0 4.0	- 0 0 3.8	-23.378
GEOI	285	+ 0 0 4.1	- 0 0 3.8	-23.425
GEOI	286	+ 0 0 4.1	- 0 0 3.9	-23.452
GEOI	287	+ 0 0 3.9	- 0 0 4.0	-23.477
GEOI	288	+ 0 0 4.1	- 0 0 3.9	-23.446
GEOI	289	+ 0 0 4.3	- 0 0 3.8	-23.411
GEOI	29	+ 0 0 1.7	- 0 0 0.2	-23.965
GEOI	290	+ 0 0 4.2	- 0 0 3.8	-23.372
GEOI	291	+ 0 0 4.2	- 0 0 3.8	-23.337
GEOI	292	+ 0 0 4.0	- 0 0 4.0	-23.264
GEOI	293	+ 0 0 4.0	- 0 0 4.0	-23.239
GEOI	294	+ 0 0 4.0	- 0 0 4.0	-23.239
GEOI	295	+ 0 0 4.0	- 0 0 3.9	-23.187
GEOI	296	+ 0 0 4.3	- 0 0 3.7	-23.111
GEOI	297	+ 0 0 4.3	- 0 0 3.7	-23.146
GEOI	298	+ 0 0 4.1	- 0 0 3.9	-23.192
GEOI	299	+ 0 0 4.2	- 0 0 3.8	-23.209
GEOI	3	+ 0 0 3.8	- 0 0 1.6	-24.069
GEOI	30	+ 0 0 1.6	- 0 0 0.6	-23.974
GEOI	300	+ 0 0 3.9	- 0 0 3.9	-23.258
GEOI	301	+ 0 0 4.1	- 0 0 3.8	-23.288
GEOI	302	+ 0 0 4.0	- 0 0 3.9	-23.341
GEOI	303	+ 0 0 4.0	- 0 0 4.0	-23.284
GEOI	304	+ 0 0 4.0	- 0 0 3.8	-23.431
GEOI	305	+ 0 0 4.0	- 0 0 4.0	-23.634
GEOI	306	+ 0 0 3.9	- 0 0 4.0	-23.491
GEOI	307	+ 0 0 3.9	- 0 0 3.9	-23.722
GEOI	308	+ 0 0 3.8	- 0 0 4.0	-23.703
GEOI	309	+ 0 0 3.8	- 0 0 4.0	-23.672
GEOI	31	+ 0 0 1.5	- 0 0 0.5	-24.020
GEOI	310	+ 0 0 3.8	- 0 0 4.0	-23.658
GEOI	311	+ 0 0 3.8	- 0 0 4.0	-23.623
GEOI	312	+ 0 0 4.0	- 0 0 4.0	-23.583
GEOI	313	+ 0 0 4.0	- 0 0 3.9	-23.631
GEOI	314	+ 0 0 3.8	- 0 0 3.6	-23.705
GEOI	315	+ 0 0 3.8	- 0 0 3.4	-23.720
GEOI	316	+ 0 0 4.1	- 0 0 3.5	-23.651
GEOI	317	+ 0 0 4.0	- 0 0 3.7	-23.609
GEOI	318	+ 0 0 4.0	- 0 0 3.8	-23.384
GEOI	319	+ 0 0 4.1	- 0 0 3.9	-23.543
GEOI	32	+ 0 0 4.3	+ 0 0 0.1	-24.386
GEOI	320	+ 0 0 4.0	- 0 0 3.9	-23.256
GEOI	321	+ 0 0 3.8	- 0 0 3.9	-23.310
GEOI	322	+ 0 0 3.9	- 0 0 3.8	-23.353
GEOI	323	+ 0 0 4.1	- 0 0 3.7	-23.420
GEOI	324	+ 0 0 4.2	- 0 0 3.7	-23.526

Geoid Values:

CODE	NAME	N/S DEFLECTION	E/W DEFLECTION	UNDULATION
GEOI	325	+ 0 0 4.2	- 0 0 3.4	-23.604
GEOI	33	+ 0 0 4.5	+ 0 0 0.1	-24.416
GEOI	34	+ 0 0 4.5	+ 0 0 0.4	-24.359
GEOI	35	+ 0 0 3.9	+ 0 0 0.3	-24.241
GEOI	36	+ 0 0 2.9	+ 0 0 0.2	-24.168
GEOI	37	+ 0 0 2.1	+ 0 0 0.5	-24.117
GEOI	38	+ 0 0 4.4	- 0 0 0.1	-24.372
GEOI	39	+ 0 0 4.3	- 0 0 0.7	-24.320
GEOI	4	+ 0 0 2.3	- 0 0 0.9	-24.095
GEOI	40	+ 0 0 4.5	- 0 0 1.5	-24.204
GEOI	41	+ 0 0 4.4	- 0 0 1.5	-24.269
GEOI	42	+ 0 0 4.3	- 0 0 1.7	-24.327
GEOI	43	+ 0 0 4.4	- 0 0 1.7	-24.412
GEOI	44	+ 0 0 4.6	- 0 0 1.6	-24.495
GEOI	45	+ 0 0 4.6	- 0 0 1.8	-24.563
GEOI	46	+ 0 0 4.5	- 0 0 1.7	-24.642
GEOI	47	+ 0 0 1.8	- 0 0 2.3	-23.813
GEOI	48	+ 0 0 1.8	- 0 0 2.3	-23.838
GEOI	48B	+ 0 0 1.8	- 0 0 2.3	-23.838
GEOI	49	+ 0 0 1.7	- 0 0 2.2	-23.861
GEOI	49B	+ 0 0 1.7	- 0 0 2.2	-23.861
GEOI	5	+ 0 0 2.3	- 0 0 1.7	-24.041
GEOI	50	+ 0 0 1.7	- 0 0 2.2	-23.877
GEOI	51	+ 0 0 1.6	- 0 0 2.2	-23.895
GEOI	52	+ 0 0 1.6	- 0 0 2.2	-23.910
GEOI	53	+ 0 0 1.5	- 0 0 2.3	-23.919
GEOI	54	+ 0 0 1.4	- 0 0 1.2	-23.973
GEOI	57	+ 0 0 1.6	- 0 0 2.4	-23.901
GEOI	58	+ 0 0 1.6	- 0 0 2.4	-23.884
GEOI	59	+ 0 0 1.7	- 0 0 2.8	-23.795
GEOI	6	+ 0 0 2.9	- 0 0 2.2	-23.879
GEOI	60	+ 0 0 1.8	- 0 0 2.7	-23.778
GEOI	61	+ 0 0 1.9	- 0 0 2.8	-23.736
GEOI	62	+ 0 0 1.8	- 0 0 3.3	-23.706
GEOI	63	+ 0 0 1.7	- 0 0 2.5	-23.816
GEOI	64	+ 0 0 1.7	- 0 0 2.5	-23.816
GEOI	65	+ 0 0 2.5	- 0 0 1.9	-23.945
GEOI	66	+ 0 0 1.6	- 0 0 1.7	-23.891
GEOI	67	+ 0 0 1.6	- 0 0 1.7	-23.895
GEOI	68	+ 0 0 1.7	- 0 0 1.6	-23.905
GEOI	69	+ 0 0 1.5	- 0 0 1.6	-23.928
GEOI	7	+ 0 0 3.6	- 0 0 2.3	-23.817
GEOI	70	+ 0 0 1.5	- 0 0 1.4	-23.933
GEOI	71	+ 0 0 1.5	- 0 0 1.9	-23.913
GEOI	72	+ 0 0 1.6	- 0 0 2.4	-23.905
GEOI	73	+ 0 0 1.5	- 0 0 2.5	-23.879
GEOI	74	+ 0 0 1.6	- 0 0 2.4	-23.867
GEOI	75	+ 0 0 1.6	- 0 0 2.4	-23.868
GEOI	76	+ 0 0 1.7	- 0 0 1.8	-23.900
GEOI	77	+ 0 0 1.6	- 0 0 1.9	-23.902
GEOI	78	+ 0 0 1.4	- 0 0 1.2	-23.981
GEOI	79	+ 0 0 1.6	- 0 0 0.3	-23.999
GEOI	8	+ 0 0 3.8	- 0 0 2.3	-23.901

Geoid Values:

CODE	NAME	N/S DEFLECTION	E/W DEFLECTION	UNDULATION
GEOI	80	+ 0 0 1.1	+ 0 0 0.4	-24.012
GEOI	9	+ 0 0 2.3	- 0 0 3.3	-23.724
GEOI	B 1408	+ 0 0 3.9	- 0 0 3.8	-23.595
GEOI	E 630 RESET	+ 0 0 4.4	+ 0 0 0.2	-24.449
GEOI	KVTX	+ 0 0 3.4	- 0 0 0.5	-26.206
GEOI	N 1408	+ 0 0 3.9	- 0 0 4.0	-23.119
GEOI	R 630 RESET	+ 0 0 4.2	- 0 0 1.1	-24.298
GEOI	TXLR	+ 0 0 1.4	+ 0 0 3.5	-24.053
GEOI	TXPR	+ 0 0 1.8	- 0 0 2.4	-23.802
GEOI	U 630 RESET	+ 0 0 4.4	- 0 0 1.5	-24.230

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: C012911.ASC ,obs#:		1				
DXCT		KVTX	1001	4154.87360	0.007	0.059
				0.119	0.119	0.05
DYCT		KVTX	1001	-63997.30300	-0.026	-0.217
				0.119	0.119	0.18
DZCT		KVTX	1001	-123771.21540	0.038	0.317
				0.119	0.119	0.27
GROUP: C012911.ASC ,obs#:		2				
DXCT		TXPR	1001	42685.35560	0.004	0.100
				0.037	0.037	0.08
DYCT		TXPR	1001	-1765.62610	0.014	0.376
				0.037	0.037	0.32
DZCT		TXPR	1001	8403.04910	0.003	0.072
				0.037	0.037	0.06
GROUP: C012911.ASC ,obs#:		3				
DXCT		KVTX	1002	5539.84220	0.001	0.011
				0.102	0.102	0.01
DYCT		KVTX	1002	-55320.26370	-0.032	-0.312
				0.102	0.102	0.27
DZCT		KVTX	1002	-106068.30410	0.033	0.324
				0.102	0.102	0.28
GROUP: C012911.ASC ,obs#:		4				
DXCT		TXPR	1002	44070.32330	-0.001	-0.030
				0.044	0.044	0.03
DYCT		TXPR	1002	6911.40790	0.013	0.298
				0.044	0.044	0.25
DZCT		TXPR	1002	26105.96330	-0.005	-0.112
				0.044	0.044	0.09
GROUP: C012911.ASC ,obs#:		5				
DXCT		1001	101	-50539.47600	-0.011	-0.229
				0.048	0.047	0.19
DYCT		1001	101	16079.80280	-0.003	-0.056
				0.048	0.047	0.05
DZCT		1001	101	17971.49890	-0.005	-0.096
				0.048	0.047	0.08
GROUP: C012911.ASC ,obs#:		6				
DXCT		1002	101	-51924.44330	-0.006	-0.142
				0.045	0.044	0.12
DYCT		1002	101	7402.76990	-0.003	-0.067
				0.045	0.044	0.06
DZCT		1002	101	268.58440	0.003	0.074
				0.045	0.044	0.06
GROUP: C012911.ASC ,obs#:		7				
DXCT		1001	102	-34383.14820	-0.002	-0.073
				0.034	0.033	0.06
DYCT		1001	102	12522.81100	0.006	0.170
				0.034	0.034	0.14
DZCT		1001	102	15455.55140	-0.008	-0.252
				0.034	0.033	0.21
GROUP: C012911.ASC ,obs#:		8				
DXCT		1002	102	-35768.11560	0.002	0.073
				0.031	0.030	0.06

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		1002	102	3845.77440	0.009	0.299
				0.031	0.030	0.25
DZCT		1002	102	-2247.36280	-0.001	-0.030
				0.031	0.030	0.03
GROUP: C012911.ASC ,obs#: 9						
DXCT		1001	201	34887.90690	-0.006	-0.192
				0.039	0.032	0.13
DYCT		1001	201	9100.20780	-0.010	-0.308
				0.039	0.032	0.22
DZCT		1001	201	27399.86560	0.003	0.103
				0.039	0.032	0.07
GROUP: C012911.ASC ,obs#: 10						
DXCT		1002	201	33502.93400	0.004	0.203
				0.030	0.020	0.12
DYCT		1002	201	423.16200	0.003	0.138
				0.030	0.020	0.08
DZCT		1002	201	9696.96170	0.000	0.024
				0.030	0.020	0.01
GROUP: C012911.ASC ,obs#: 11						
DXCT		102	201	69271.05340	-0.002	-0.035
				0.060	0.056	0.03
DYCT		102	201	-3422.63100	0.012	0.221
				0.060	0.056	0.17
DZCT		102	201	11944.33570	-0.010	-0.176
				0.060	0.056	0.14
GROUP: C012911.ASC ,obs#: 12						
DXCT		1001	202	35525.09840	-0.005	-0.156
				0.037	0.030	0.11
DYCT		1001	202	7437.69650	-0.004	-0.146
				0.037	0.030	0.10
DZCT		1001	202	24266.66490	-0.004	-0.141
				0.037	0.030	0.10
GROUP: C012911.ASC ,obs#: 13						
DXCT		1002	202	34140.12820	0.003	0.136
				0.030	0.020	0.08
DYCT		1002	202	-1239.34490	0.004	0.185
				0.030	0.020	0.11
DZCT		1002	202	6563.75140	0.003	0.126
				0.030	0.020	0.07
GROUP: C012911.ASC ,obs#: 14						
DXCT		102	202	69908.24330	0.001	0.018
				0.060	0.056	0.01
DYCT		102	202	-5085.12080	-0.004	-0.069
				0.060	0.056	0.05
DZCT		102	202	8811.11710	0.001	0.010
				0.060	0.056	0.01
GROUP: C012911.ASC ,obs#: 15						
DXCT		1001	203	31764.84330	0.000	0.001
				0.033	0.027	0.00
DYCT		1001	203	6775.86090	-0.001	-0.051
				0.033	0.027	0.04
DZCT		1001	203	21981.05000	-0.006	-0.209

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.033	0.027	0.14
GROUP: C012911.ASC ,obs#: 16						
DXCT		1002	203	30379.88040	0.000	0.011
				0.026	0.018	0.01
DYCT		1002	203	-1901.17600	0.002	0.129
				0.026	0.018	0.07
DZCT		1002	203	4278.13500	0.003	0.149
				0.026	0.018	0.09
GROUP: C012911.ASC ,obs#: 17						
DXCT		102	203	66147.99500	-0.001	-0.019
				0.057	0.053	0.02
DYCT		102	203	-5746.95060	-0.007	-0.124
				0.057	0.053	0.10
DZCT		102	203	6525.49730	0.004	0.076
				0.057	0.053	0.06
GROUP: C012911.ASC ,obs#: 18						
DXCT		1001	204	28515.70570	-0.002	-0.081
				0.031	0.025	0.06
DYCT		1001	204	6670.56970	-0.001	-0.049
				0.031	0.025	0.03
DZCT		1001	204	20924.30880	-0.007	-0.283
				0.031	0.025	0.20
GROUP: C012911.ASC ,obs#: 19						
DXCT		1002	204	27130.73960	0.001	0.086
				0.023	0.015	0.05
DYCT		1002	204	-2006.46620	0.001	0.093
				0.023	0.015	0.05
DZCT		1002	204	3221.39090	0.004	0.266
				0.023	0.015	0.15
GROUP: C012911.ASC ,obs#: 20						
DXCT		102	204	62898.85500	-0.001	-0.014
				0.054	0.051	0.01
DYCT		102	204	-5852.24440	-0.004	-0.076
				0.054	0.051	0.06
DZCT		102	204	5468.75860	0.000	0.002
				0.054	0.051	0.00
GROUP: C012911.ASC ,obs#: 21						
DXCT		1001	205	25213.81460	-0.004	-0.168
				0.028	0.023	0.12
DYCT		1001	205	6696.71430	0.006	0.267
				0.028	0.023	0.19
DZCT		1001	205	20113.54560	-0.008	-0.346
				0.028	0.023	0.24
GROUP: C012911.ASC ,obs#: 22						
DXCT		1002	205	23828.84580	0.002	0.165
				0.020	0.013	0.09
DYCT		1002	205	-1980.31000	-0.003	-0.208
				0.021	0.013	0.11
DZCT		1002	205	2410.62660	0.004	0.327
				0.020	0.013	0.18
GROUP: C012911.ASC ,obs#: 23						
DXCT		102	205	59596.96180	-0.000	-0.009

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION / STD DEV	RESIDUAL / STD DEV	STD RES / PPM
				0.051	0.048	0.01
DYCT		102	205	-5826.09260	-0.004	-0.074
				0.051	0.049	0.06
DZCT		102	205	4657.99460	-0.000	-0.000
				0.051	0.048	0.00
GROUP: C012911.ASC ,obs#: 24						
DXCT		1001	206	20389.22480	-0.006	-0.294
				0.025	0.021	0.21
DYCT		1001	206	7019.06490	-0.003	-0.129
				0.025	0.021	0.09
DZCT		1001	206	19486.71750	-0.003	-0.139
				0.025	0.021	0.10
GROUP: C012911.ASC ,obs#: 25						
DXCT		1002	206	19004.25310	0.003	0.285
				0.016	0.010	0.15
DYCT		1002	206	-1657.97380	0.003	0.279
				0.016	0.010	0.14
DZCT		1002	206	1783.80760	0.000	0.029
				0.016	0.010	0.01
GROUP: C012911.ASC ,obs#: 26						
DXCT		102	206	54772.37000	-0.001	-0.016
				0.047	0.045	0.01
DYCT		102	206	-5503.74190	-0.013	-0.281
				0.047	0.045	0.23
DZCT		102	206	4031.16350	0.008	0.181
				0.047	0.045	0.15
GROUP: C012911.ASC ,obs#: 27						
DXCT		1001	207	17802.58940	-0.004	-0.190
				0.024	0.020	0.14
DYCT		1001	207	7570.59600	0.002	0.090
				0.024	0.021	0.07
DZCT		1001	207	19900.04110	-0.010	-0.469
				0.024	0.021	0.35
GROUP: C012911.ASC ,obs#: 28						
DXCT		1002	207	16417.62220	0.001	0.070
				0.014	0.008	0.03
DYCT		1002	207	-1106.43610	0.001	0.091
				0.014	0.008	0.04
DZCT		1002	207	2197.12110	0.004	0.464
				0.014	0.008	0.22
GROUP: C012911.ASC ,obs#: 29						
DXCT		102	207	52185.72770	0.008	0.197
				0.045	0.043	0.16
DYCT		102	207	-4952.20490	-0.014	-0.324
				0.045	0.043	0.27
DZCT		102	207	4444.49080	-0.002	-0.054
				0.045	0.043	0.04
GROUP: C013011.ASC ,obs#: 30						
DXCT		TXPR	1001	42685.35180	0.007	0.204
				0.037	0.037	0.17
DYCT		TXPR	1001	-1765.61570	0.003	0.093
				0.037	0.037	0.08

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		TXPR	1001	8403.04880	0.003	0.080
				0.037	0.037	0.07
GROUP: C013011.ASC ,obs#: 31						
DXCT		TXPR	1002	44070.32510	-0.003	-0.071
				0.044	0.044	0.06
DYCT		TXPR	1002	6911.40050	0.020	0.467
				0.044	0.044	0.40
DZCT		TXPR	1002	26105.96890	-0.010	-0.240
				0.044	0.044	0.20
GROUP: C013011.ASC ,obs#: 32						
DXCT		1002	101	-51924.45990	0.010	0.234
				0.045	0.044	0.20
DYCT		1002	101	7402.75280	0.014	0.318
				0.045	0.044	0.27
DZCT		1002	101	268.58600	0.002	0.037
				0.045	0.044	0.03
GROUP: C013011.ASC ,obs#: 33						
DXCT		1001	101	-50539.48880	0.002	0.042
				0.048	0.047	0.04
DYCT		1001	101	16079.77200	0.028	0.593
				0.048	0.047	0.50
DZCT		1001	101	17971.50040	-0.006	-0.128
				0.048	0.047	0.11
GROUP: C013011.ASC ,obs#: 34						
DXCT		1002	103	-53675.71580	0.011	0.223
				0.049	0.049	0.19
DYCT		1002	103	15112.19250	0.017	0.354
				0.049	0.049	0.30
DZCT		1002	103	15031.68610	0.004	0.087
				0.049	0.049	0.07
GROUP: C013011.ASC ,obs#: 35						
DXCT		1001	103	-52290.74150	-0.001	-0.013
				0.056	0.056	0.01
DYCT		1001	103	23789.20700	0.036	0.643
				0.056	0.056	0.54
DZCT		1001	103	32734.60570	-0.009	-0.155
				0.056	0.056	0.13
GROUP: C013011.ASC ,obs#: 36						
DXCT		1002	208	291.52100	0.000	0.092
				0.012	0.004	0.03
DYCT		1002	208	6133.93450	-0.004	-0.941
				0.012	0.004	0.31
DZCT		1002	208	12249.69600	0.004	0.898
				0.012	0.004	0.29
GROUP: C013011.ASC ,obs#: 37						
DXCT		1001	208	1676.48660	-0.002	-0.093
				0.029	0.026	0.07
DYCT		1001	208	14810.93880	0.025	0.937
				0.029	0.026	0.74
DZCT		1001	208	29952.63030	-0.024	-0.894
				0.029	0.026	0.71
GROUP: C013011.ASC ,obs#: 38						

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		1002	209	-264.20830	0.001	0.409
				0.009	0.003	0.12
DYCT		1002	209	4861.91970	-0.003	-1.024
				0.009	0.003	0.29
DZCT		1002	209	9588.01470	-0.000	-0.046
				0.009	0.003	0.01
GROUP: C013011.ASC ,obs#: 39						
DXCT		1001	209	1120.76570	-0.010	-0.409
				0.026	0.024	0.33
DYCT		1001	209	13538.92470	0.025	1.024
				0.026	0.025	0.82
DZCT		1001	209	27290.92010	0.001	0.047
				0.026	0.024	0.04
GROUP: C013011.ASC ,obs#: 40						
DXCT		1001	210	507.47030	-0.004	-0.178
				0.023	0.022	0.15
DYCT		1001	210	12108.95010	0.047	2.102
				0.023	0.022	1.73
DZCT		1001	210	24289.39060	0.004	0.160
				0.023	0.022	0.13
GROUP: C013011.ASC ,obs#: 41						
DXCT		1002	210	-877.49670	0.000	0.174
				0.006	0.002	0.04
DYCT		1002	210	3431.96760	-0.004	-2.100
				0.007	0.002	0.49
DZCT		1002	210	6586.48770	-0.000	-0.143
				0.006	0.002	0.03
GROUP: C013011.ASC ,obs#: 42						
DXCT		1002	211	-8104.47990	-0.001	-0.255
				0.009	0.004	0.09
DYCT		1002	211	4265.31690	-0.003	-0.712
				0.010	0.004	0.26
DZCT		1002	211	6266.61120	0.002	0.582
				0.009	0.004	0.21
GROUP: C013011.ASC ,obs#: 43						
DXCT		1001	211	-6719.52210	0.004	0.176
				0.024	0.022	0.14
DYCT		1001	211	12942.32510	0.022	0.988
				0.024	0.022	0.79
DZCT		1001	211	23969.53140	-0.011	-0.501
				0.024	0.022	0.40
GROUP: C013011.ASC ,obs#: 44						
DXCT		101	211	43819.96220	0.006	0.178
				0.038	0.036	0.15
DYCT		101	211	-3137.44340	-0.009	-0.259
				0.038	0.037	0.21
DZCT		101	211	5998.03510	-0.009	-0.254
				0.038	0.036	0.21
GROUP: C013011.ASC ,obs#: 45						
DXCT		1002	212	-9464.25590	0.004	0.843
				0.009	0.004	0.34
DYCT		1002	212	3623.59930	0.000	0.022

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.010	0.005	0.01
DZCT		1002	212	4623.96520	-0.001	-0.132
				0.010	0.005	0.05
GROUP: C013011.ASC ,obs#: 46						
DXCT		1001	212	-8079.28110	-0.008	-0.390
				0.023	0.021	0.31
DYCT		1001	212	12300.61680	0.016	0.744
				0.023	0.021	0.59
DZCT		1001	212	22326.87570	-0.004	-0.207
				0.023	0.021	0.16
GROUP: C013011.ASC ,obs#: 47						
DXCT		101	212	42460.21700	-0.020	-0.557
				0.036	0.035	0.46
DYCT		101	212	-3779.13690	-0.031	-0.867
				0.037	0.035	0.71
DZCT		101	212	4355.36650	0.010	0.297
				0.037	0.035	0.24
GROUP: C013011.ASC ,obs#: 48						
DXCT		103	212	44211.47110	-0.018	-0.474
				0.040	0.038	0.39
DYCT		103	212	-11488.59720	-0.013	-0.340
				0.040	0.039	0.28
DZCT		103	212	-10407.73680	0.011	0.287
				0.040	0.039	0.24
GROUP: C013011.ASC ,obs#: 49						
DXCT		1002	213	-11536.11690	0.001	0.193
				0.011	0.006	0.09
DYCT		1002	213	3361.73950	-0.008	-1.394
				0.011	0.006	0.63
DZCT		1002	213	3537.86980	0.004	0.658
				0.011	0.006	0.30
GROUP: C013011.ASC ,obs#: 50						
DXCT		1001	213	-10151.15220	-0.001	-0.042
				0.023	0.021	0.03
DYCT		1001	213	12038.72960	0.035	1.703
				0.023	0.021	1.33
DZCT		1001	213	21240.79630	-0.016	-0.781
				0.023	0.021	0.61
GROUP: C013011.ASC ,obs#: 51						
DXCT		101	213	40388.34060	-0.007	-0.207
				0.035	0.033	0.17
DYCT		101	213	-4041.04080	0.005	0.164
				0.035	0.033	0.13
DZCT		101	213	3269.29330	-0.007	-0.225
				0.035	0.033	0.18
GROUP: C013011.ASC ,obs#: 52						
DXCT		103	213	42139.59230	-0.003	-0.085
				0.039	0.037	0.07
DYCT		103	213	-11750.47140	-0.007	-0.182
				0.039	0.037	0.15
DZCT		103	213	-11493.82480	0.008	0.215
				0.039	0.037	0.18

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: C013011.ASC ,obs#: 53						
DXCT		1002	214	-18061.37480	0.005	0.405
				0.017	0.012	0.24
DYCT		1002	214	5469.05100	-0.003	-0.222
				0.017	0.012	0.13
DZCT		1002	214	5923.47240	0.002	0.204
				0.017	0.012	0.12
GROUP: C013011.ASC ,obs#: 54						
DXCT		1001	214	-16676.40830	0.001	0.040
				0.027	0.025	0.03
DYCT		1001	214	14146.06320	0.018	0.744
				0.028	0.025	0.57
DZCT		1001	214	23626.38140	0.000	0.003
				0.027	0.025	0.00
GROUP: C013011.ASC ,obs#: 55						
DXCT		101	214	33863.09280	-0.013	-0.505
				0.029	0.026	0.39
DYCT		101	214	-1933.70960	-0.009	-0.336
				0.029	0.027	0.26
DZCT		101	214	5654.89200	-0.005	-0.185
				0.029	0.026	0.14
GROUP: C013011.ASC ,obs#: 56						
DXCT		103	214	35614.33750	-0.003	-0.088
				0.032	0.030	0.07
DYCT		103	214	-9643.15640	-0.005	-0.168
				0.032	0.030	0.13
DZCT		103	214	-9108.21260	-0.003	-0.100
				0.032	0.030	0.08
GROUP: C013011.ASC ,obs#: 57						
DXCT		1002	215	-20717.42910	0.004	0.314
				0.018	0.013	0.20
DYCT		1002	215	3706.02570	0.000	0.020
				0.018	0.013	0.01
DZCT		1002	215	1688.67570	0.004	0.319
				0.018	0.013	0.20
GROUP: C013011.ASC ,obs#: 58						
DXCT		1001	215	-19332.45310	-0.009	-0.404
				0.026	0.023	0.30
DYCT		1001	215	12383.03570	0.023	1.039
				0.026	0.023	0.78
DZCT		1001	215	19391.59950	-0.013	-0.570
				0.026	0.023	0.43
GROUP: C013011.ASC ,obs#: 59						
DXCT		101	215	31207.01770	0.007	0.294
				0.027	0.024	0.22
DYCT		101	215	-3696.73700	-0.004	-0.166
				0.027	0.024	0.13
DZCT		101	215	1420.09330	-0.001	-0.043
				0.027	0.024	0.03
GROUP: C013011.ASC ,obs#: 60						
DXCT		103	215	32958.28880	-0.009	-0.302
				0.032	0.029	0.23

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		103	215	-11406.15230	-0.031	-1.079
				0.032	0.029	0.84
DZCT		103	215	-13343.01840	0.008	0.275
				0.032	0.029	0.21
GROUP: C013011.ASC ,obs#: 61						
DXCT		1001	B 1408	232.86540	-0.002	-0.085
				0.022	0.021	0.07
DYCT		1001	B 1408	11494.23420	0.025	1.131
				0.022	0.022	0.96
DZCT		1001	B 1408	22991.89180	-0.017	-0.798
				0.022	0.021	0.66
GROUP: C013011.ASC ,obs#: 62						
DXCT		1002	B 1408	-1152.10190	0.003	2.107
				0.005	0.001	0.45
DYCT		1002	B 1408	2817.20710	0.019	4.724
				0.005	0.004	3.06
					^^^^^^^^^^^^^^^^	
DZCT		1002	B 1408	5288.97700	-0.009	-4.050
				0.005	0.002	1.47
GROUP: C020211.ASC ,obs#: 63						
DXCT		1001	1002	1384.96080	0.002	0.116
				0.017	0.017	0.10
DYCT		1001	1002	8677.04600	-0.013	-0.761
				0.017	0.017	0.65
DZCT		1001	1002	17702.89850	0.008	0.489
				0.017	0.017	0.41
GROUP: C020211.ASC ,obs#: 64						
DXCT		1002	102	-35768.10720	-0.006	-0.206
				0.031	0.030	0.17
DYCT		1002	102	3845.79390	-0.010	-0.342
				0.031	0.030	0.29
DZCT		1002	102	-2247.37070	0.007	0.232
				0.031	0.030	0.19
GROUP: C020211.ASC ,obs#: 65						
DXCT		1001	102	-34383.14680	-0.004	-0.116
				0.034	0.033	0.10
DYCT		1001	102	12522.84180	-0.025	-0.747
				0.034	0.034	0.63
DZCT		1001	102	15455.52720	0.016	0.473
				0.034	0.033	0.40
GROUP: C020211.ASC ,obs#: 66						
DXCT		1001	216	-1681.88390	-0.000	-0.021
				0.005	0.002	0.01
DYCT		1001	216	2466.28570	-0.006	-3.185
				0.005	0.002	1.02
DZCT		1001	216	4481.92820	-0.001	-0.347
				0.005	0.002	0.11
GROUP: C020211.ASC ,obs#: 67						
DXCT		1002	216	-3066.84560	-0.001	-0.091
				0.013	0.012	0.07
DYCT		1002	216	-6210.78970	0.037	3.070
				0.013	0.012	2.46

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		1002	216	-13220.98380	0.005	0.397
				0.013	0.012	0.32
GROUP: C020211.ASC ,obs#: 68						
DXCT		102	216	32701.26010	0.007	0.222
				0.031	0.030	0.18
DYCT		102	216	-10056.56010	0.024	0.780
				0.031	0.030	0.66
DZCT		102	216	-10973.61620	0.001	0.028
				0.031	0.030	0.02
GROUP: C020211.ASC ,obs#: 69						
DXCT		1001	217	-8781.96590	0.000	0.085
				0.009	0.006	0.04
DYCT		1001	217	3890.88760	-0.002	-0.329
				0.009	0.006	0.17
DZCT		1001	217	5383.15140	-0.001	-0.126
				0.009	0.006	0.06
GROUP: C020211.ASC ,obs#: 70						
DXCT		1002	217	-10166.92550	-0.003	-0.221
				0.014	0.012	0.16
DYCT		1002	217	-4786.14720	-0.000	-0.024
				0.014	0.012	0.02
DZCT		1002	217	-12319.75880	0.003	0.231
				0.014	0.012	0.17
GROUP: C020211.ASC ,obs#: 71						
DXCT		102	217	25601.18060	0.005	0.203
				0.025	0.023	0.16
DYCT		102	217	-8631.94450	0.014	0.583
				0.025	0.023	0.47
DZCT		102	217	-10072.38890	-0.003	-0.148
				0.025	0.023	0.12
GROUP: C020211.ASC ,obs#: 72						
DXCT		1001	218	-6113.80480	0.006	1.658
				0.007	0.004	0.74
DYCT		1001	218	3377.40000	-0.008	-2.008
				0.007	0.004	0.90
DZCT		1001	218	5088.77810	-0.001	-0.260
				0.007	0.004	0.12
GROUP: C020211.ASC ,obs#: 73						
DXCT		1002	218	-7498.74330	-0.018	-1.529
				0.013	0.012	1.15
DYCT		1002	218	-5299.66130	0.020	1.715
				0.013	0.012	1.30
DZCT		1002	218	-12614.13200	0.002	0.204
				0.013	0.012	0.15
GROUP: C020211.ASC ,obs#: 74						
DXCT		102	218	28269.36400	-0.012	-0.463
				0.027	0.025	0.37
DYCT		102	218	-9145.44540	0.021	0.809
				0.027	0.026	0.66
DZCT		102	218	-10366.76930	0.003	0.134
				0.027	0.026	0.11
GROUP: C020211.ASC ,obs#: 75						

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		1001	219	1510.91350	-0.002	-0.861
				0.005	0.002	0.28
DYCT		1001	219	2259.71290	-0.004	-2.277
				0.005	0.002	0.77
DZCT		1001	219	4937.16170	0.004	1.900
				0.005	0.002	0.63
GROUP: C020211.ASC ,obs#: 76						
DXCT		1002	219	125.94030	0.009	0.787
				0.012	0.011	0.62
DYCT		1002	219	-6417.34660	0.022	1.944
				0.012	0.011	1.53
DZCT		1002	219	-12765.72120	-0.020	-1.794
				0.012	0.011	1.41
GROUP: C020211.ASC ,obs#: 77						
DXCT		102	219	35894.05410	0.008	0.262
				0.033	0.032	0.22
DYCT		102	219	-10263.14280	0.035	1.062
				0.033	0.033	0.89
DZCT		102	219	-10518.36420	-0.014	-0.418
				0.033	0.032	0.35
GROUP: C020211.ASC ,obs#: 78						
DXCT		1001	220	4795.48440	-0.009	-2.209
				0.007	0.004	1.03
DYCT		1001	220	2529.75890	-0.019	-4.808
				0.007	0.004	2.29
					^^^^^^^^^^^^^^^^^	
DZCT		1001	220	6367.79360	-0.002	-0.415
				0.007	0.004	0.19
GROUP: C020211.ASC ,obs#: 79						
DXCT		1002	220	3410.49280	0.020	2.104
				0.011	0.010	1.52
DYCT		1002	220	-6147.33570	0.042	4.377
				0.011	0.010	3.16
					^^^^^^^^^^^^^^^^^	
DZCT		1002	220	-11335.11990	0.005	0.539
				0.011	0.010	0.39
GROUP: C020211.ASC ,obs#: 80						
DXCT		102	220	39178.61160	0.015	0.432
				0.035	0.034	0.36
DYCT		102	220	-9993.12980	0.053	1.523
				0.035	0.035	1.27
DZCT		102	220	-9087.74370	-0.007	-0.212
				0.035	0.034	0.18
GROUP: C020211.ASC ,obs#: 81						
DXCT		1001	221	9802.64510	-0.003	-0.659
				0.009	0.005	0.29
DYCT		1001	221	378.81350	-0.005	-1.123
				0.009	0.005	0.50
DZCT		1001	221	3414.12240	0.001	0.113
				0.009	0.005	0.05
GROUP: C020211.ASC ,obs#: 82						
DXCT		1002	221	8417.67330	0.006	0.439

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.016	0.014	0.33
DYCT		1002	221	-8298.23810	0.013	0.949
				0.016	0.014	0.71
DZCT		1002	221	-14288.78340	-0.000	-0.028
				0.016	0.014	0.02
GROUP: C020211.ASC ,obs#: 83						
DXCT		102	221	44185.77020	0.023	0.575
				0.040	0.039	0.48
DYCT		102	221	-12144.02890	0.021	0.519
				0.040	0.040	0.43
DZCT		102	221	-12041.41200	-0.008	-0.205
				0.040	0.039	0.17
GROUP: C020211.ASC ,obs#: 84						
DXCT		1001	222	9498.41350	0.003	0.410
				0.011	0.007	0.24
DYCT		1001	222	2661.96820	-0.023	-2.988
				0.011	0.008	1.79
DZCT		1001	222	7897.78750	-0.001	-0.073
				0.011	0.007	0.04
GROUP: C020211.ASC ,obs#: 85						
DXCT		1002	222	8113.45830	-0.005	-0.502
				0.012	0.009	0.32
DYCT		1002	222	-6015.11450	0.027	2.984
				0.012	0.009	1.91
DZCT		1002	222	-9805.12230	0.003	0.284
				0.012	0.009	0.18
GROUP: C020211.ASC ,obs#: 86						
DXCT		102	222	43881.56050	0.007	0.177
				0.039	0.038	0.15
DYCT		102	222	-9860.87380	0.003	0.071
				0.039	0.038	0.06
DZCT		102	222	-7557.73890	-0.017	-0.455
				0.039	0.038	0.38
GROUP: C020211.ASC ,obs#: 87						
DXCT		1001	223	6254.37240	0.011	1.170
				0.011	0.009	0.81
DYCT		1001	223	4504.48440	-0.041	-4.417
				0.011	0.009	3.08
					^^^^^^^^^^^^^^^^^	
DZCT		1001	223	10705.00970	0.019	2.112
				0.011	0.009	1.47
GROUP: C020211.ASC ,obs#: 88						
DXCT		1002	223	4869.42610	-0.006	-1.188
				0.008	0.005	0.61
DYCT		1002	223	-4172.61000	0.021	4.216
				0.008	0.005	2.17
DZCT		1002	223	-6997.86870	-0.009	-1.835
				0.008	0.005	0.94
GROUP: C020211.ASC ,obs#: 89						
DXCT		102	223	40637.52920	0.005	0.132
				0.036	0.034	0.11
DYCT		102	223	-8018.38250	0.010	0.276

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION / STD DEV	RESIDUAL / STD DEV	STD RES / PPM
				0.036	0.035	0.23
DZCT		102	223	-4750.49190	-0.022	-0.638
				0.036	0.035	0.53
GROUP: C020211.ASC ,obs#: 90						
DXCT		1001	224	-1012.44680	-0.009	-1.039
				0.010	0.009	0.74
DYCT		1001	224	5488.12160	-0.030	-3.449
				0.010	0.009	2.45
DZCT		1001	224	10698.52390	0.000	0.053
				0.010	0.009	0.04
GROUP: C020211.ASC ,obs#: 91						
DXCT		1002	224	-2397.42270	0.004	1.087
				0.007	0.004	0.53
DYCT		1002	224	-3188.95370	0.012	3.131
				0.007	0.004	1.54
DZCT		1002	224	-7004.38310	0.001	0.192
				0.007	0.004	0.09
GROUP: C020211.ASC ,obs#: 92						
DXCT		102	224	33370.70040	-0.005	-0.193
				0.029	0.028	0.16
DYCT		102	224	-7034.74000	0.015	0.534
				0.029	0.029	0.44
DZCT		102	224	-4757.00040	-0.018	-0.644
				0.029	0.028	0.53
GROUP: C020211.ASC ,obs#: 93						
DXCT		1001	N 1408	-874.28380	-0.001	-2.999
				0.002	0.000	0.48
DYCT		1001	N 1408	973.00840	-0.016	-4.736
				0.004	0.003	7.28
					^^^^^^^^^^^^^^^^	
DZCT		1001	N 1408	1714.89860	0.008	4.405
				0.003	0.002	3.74
					^^^^^^^^^^^^^^^^	
GROUP: C020211.ASC ,obs#: 94						
DXCT		1002	N 1408	-2259.24980	0.002	0.148
				0.015	0.015	0.12
DYCT		1002	N 1408	-7704.08090	0.040	2.578
				0.016	0.016	2.26
DZCT		1002	N 1408	-15988.00830	0.008	0.546
				0.015	0.015	0.46
GROUP: C020211.ASC ,obs#: 95						
DXCT		1002	TXPR	-44070.31360	-0.008	-0.193
				0.044	0.044	0.16
DYCT		1002	TXPR	-6911.40330	-0.018	-0.403
				0.044	0.044	0.34
DZCT		1002	TXPR	-26105.95600	-0.002	-0.056
				0.044	0.044	0.05
GROUP: C020211.ASC ,obs#: 96						
DXCT		1001	TXPR	-42685.35340	-0.006	-0.160
				0.037	0.037	0.13
DYCT		1001	TXPR	1765.64250	-0.030	-0.821
				0.037	0.037	0.69

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		1001	TXPR	-8403.05800	0.006	0.171
				0.037	0.037	0.14
GROUP: C020311.ASC ,obs#: 97						
DXCT		1001	1002	1384.95440	0.008	0.498
				0.017	0.017	0.42
DYCT		1001	1002	8677.02410	0.009	0.545
				0.017	0.017	0.46
DZCT		1001	1002	17702.91090	-0.004	-0.251
				0.017	0.017	0.21
GROUP: C020311.ASC ,obs#: 98						
DXCT		1001	1003	35497.58830	0.017	0.511
				0.037	0.034	0.40
DYCT		1001	1003	7455.98810	-0.003	-0.080
				0.037	0.034	0.06
DZCT		1001	1003	24297.11910	-0.011	-0.328
				0.037	0.034	0.26
GROUP: C020311.ASC ,obs#: 99						
DXCT		1002	1003	34112.64370	-0.001	-0.032
				0.030	0.025	0.02
DYCT		1002	1003	-1221.03700	-0.011	-0.426
				0.030	0.025	0.31
DZCT		1002	1003	6594.20550	-0.004	-0.167
				0.030	0.025	0.12
GROUP: C020311.ASC ,obs#: 100						
DXCT		1001	1004	34121.11100	-0.002	-0.060
				0.037	0.034	0.05
DYCT		1001	1004	8562.20180	0.014	0.403
				0.037	0.034	0.31
DZCT		1001	1004	26138.42740	0.001	0.020
				0.037	0.034	0.02
GROUP: C020311.ASC ,obs#: 101						
DXCT		1002	1004	32736.16070	-0.014	-0.593
				0.029	0.024	0.43
DYCT		1002	1004	-114.80590	-0.012	-0.479
				0.029	0.025	0.35
DZCT		1002	1004	8435.51340	0.008	0.327
				0.029	0.024	0.24
GROUP: C020311.ASC ,obs#: 102						
DXCT		1001	225	13663.92150	0.021	1.021
				0.023	0.020	0.78
DYCT		1001	225	8685.76320	0.022	1.078
				0.023	0.020	0.83
DZCT		1001	225	21014.79250	-0.009	-0.443
				0.023	0.020	0.34
GROUP: C020311.ASC ,obs#: 103						
DXCT		1002	225	12278.98430	-0.005	-1.021
				0.011	0.005	0.38
DYCT		1002	225	8.75700	-0.005	-1.077
				0.011	0.005	0.40
DZCT		1002	225	3311.87470	0.002	0.442
				0.011	0.005	0.16
GROUP: C020311.ASC ,obs#: 104						

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		1001	226	7451.17170	0.025	1.120
				0.023	0.022	0.91
DYCT		1001	226	10938.04550	0.001	0.050
				0.023	0.022	0.04
DZCT		1001	226	23831.37280	0.002	0.089
				0.023	0.022	0.07
GROUP: C020311.ASC ,obs#: 105						
DXCT		1002	226	6066.23630	-0.003	-1.120
				0.008	0.002	0.30
DYCT		1002	226	2261.01350	-0.000	-0.050
				0.008	0.002	0.01
DZCT		1002	226	6128.46830	-0.000	-0.089
				0.008	0.002	0.02
GROUP: C020311.ASC ,obs#: 106						
DXCT		1001	227	2525.43660	0.010	0.509
				0.021	0.020	0.43
DYCT		1001	227	10496.86820	0.012	0.571
				0.021	0.020	0.48
DZCT		1001	227	21629.65600	0.008	0.378
				0.021	0.020	0.32
GROUP: C020311.ASC ,obs#: 107						
DXCT		1002	227	1140.48450	-0.000	-0.511
				0.004	0.001	0.08
DYCT		1002	227	1819.84700	-0.000	-0.568
				0.004	0.001	0.09
DZCT		1002	227	3926.75720	-0.000	-0.370
				0.004	0.001	0.06
GROUP: C020311.ASC ,obs#: 108						
DXCT		1001	228	-1208.18770	-0.010	-0.485
				0.022	0.021	0.40
DYCT		1001	228	11751.56560	0.013	0.609
				0.022	0.021	0.50
DZCT		1001	228	23109.60610	0.027	1.254
				0.022	0.021	1.03
GROUP: C020311.ASC ,obs#: 109						
DXCT		1002	228	-2593.16150	0.001	0.483
				0.006	0.001	0.10
DYCT		1002	228	3074.54630	-0.001	-0.601
				0.006	0.001	0.13
DZCT		1002	228	5406.72800	-0.002	-1.251
				0.006	0.001	0.27
GROUP: C020311.ASC ,obs#: 110						
DXCT		1001	229	-1715.47400	0.000	0.019
				0.018	0.018	0.02
DYCT		1001	229	9614.86370	0.014	0.806
				0.018	0.018	0.68
DZCT		1001	229	18726.68610	-0.008	-0.433
				0.018	0.018	0.36
GROUP: C020311.ASC ,obs#: 111						
DXCT		1002	229	-3100.43640	-0.000	-0.027
				0.003	0.000	0.00
DYCT		1002	229	937.84520	-0.000	-0.816

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.003	0.000	0.12
DZCT		1002	229	1023.77150	0.000	0.452
				0.003	0.000	0.06
GROUP: C020311.ASC ,obs#: 112						
DXCT		1001	230	-2280.70540	-0.010	-0.649
				0.015	0.015	0.54
DYCT		1001	230	8218.74260	0.003	0.172
				0.016	0.015	0.14
DZCT		1001	230	15794.83830	-0.005	-0.356
				0.015	0.015	0.30
GROUP: C020311.ASC ,obs#: 113						
DXCT		1002	230	-3665.67830	0.001	0.647
				0.004	0.001	0.12
DYCT		1002	230	-458.28790	-0.000	-0.176
				0.004	0.001	0.04
DZCT		1002	230	-1908.07400	0.000	0.357
				0.004	0.001	0.07
GROUP: C020411.ASC ,obs#: 114						
DXCT		1001	1002	1384.95790	0.005	0.289
				0.017	0.017	0.25
DYCT		1001	1002	8677.02640	0.007	0.407
				0.017	0.017	0.35
DZCT		1001	1002	17702.91470	-0.008	-0.478
				0.017	0.017	0.41
GROUP: C020411.ASC ,obs#: 115						
DXCT		1001	231	-7125.55230	-0.001	-0.069
				0.017	0.015	0.05
DYCT		1001	231	8852.61650	0.017	1.138
				0.017	0.015	0.90
DZCT		1001	231	15737.20600	-0.012	-0.777
				0.017	0.015	0.60
GROUP: C020411.ASC ,obs#: 116						
DXCT		1002	231	-8510.51630	0.000	0.069
				0.007	0.003	0.02
DYCT		1002	231	175.60430	-0.004	-1.138
				0.008	0.003	0.41
DZCT		1002	231	-1965.71480	0.002	0.777
				0.007	0.003	0.27
GROUP: C020411.ASC ,obs#: 117						
DXCT		1001	232	-13781.06830	0.001	0.055
				0.020	0.016	0.04
DYCT		1001	232	9707.78030	0.012	0.732
				0.020	0.016	0.52
DZCT		1001	232	15609.46620	-0.018	-1.095
				0.020	0.016	0.77
GROUP: C020411.ASC ,obs#: 118						
DXCT		1002	232	-15166.02970	-0.000	-0.062
				0.013	0.007	0.03
DYCT		1002	232	1030.76490	-0.006	-0.751
				0.014	0.008	0.38
DZCT		1002	232	-2093.46640	0.008	1.108
				0.013	0.007	0.53

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: C020411.ASC ,obs#: 119						
DXCT		1001	233	-17718.40930	0.004	0.204
				0.022	0.018	0.14
DYCT		1001	233	10549.43180	-0.006	-0.307
				0.023	0.018	0.21
DZCT		1001	233	16193.80160	-0.005	-0.296
				0.022	0.018	0.20
GROUP: C020411.ASC ,obs#: 120						
DXCT		1002	233	-19103.36640	-0.002	-0.204
				0.016	0.010	0.10
DYCT		1002	233	1872.39000	0.003	0.306
				0.017	0.010	0.16
DZCT		1002	233	-1509.11330	0.003	0.295
				0.016	0.010	0.15
GROUP: C020411.ASC ,obs#: 121						
DXCT		1001	234	-20467.13660	0.006	0.299
				0.025	0.020	0.20
DYCT		1001	234	11880.10170	0.005	0.238
				0.025	0.020	0.16
DZCT		1001	234	18078.62270	-0.004	-0.193
				0.025	0.020	0.13
GROUP: C020411.ASC ,obs#: 122						
DXCT		1002	234	-21852.08990	-0.003	-0.300
				0.019	0.011	0.15
DYCT		1002	234	3203.07600	-0.003	-0.238
				0.019	0.011	0.12
DZCT		1002	234	375.70990	0.002	0.193
				0.019	0.011	0.10
GROUP: C020411.ASC ,obs#: 123						
DXCT		1001	235	-13498.98260	0.002	0.120
				0.023	0.020	0.09
DYCT		1001	235	11767.28580	0.009	0.442
				0.023	0.020	0.33
DZCT		1001	235	19779.25710	-0.005	-0.278
				0.023	0.020	0.21
GROUP: C020411.ASC ,obs#: 124						
DXCT		1002	235	-14883.94220	-0.001	-0.120
				0.013	0.007	0.05
DYCT		1002	235	3090.26420	-0.003	-0.443
				0.013	0.007	0.19
DZCT		1002	235	2076.34310	0.002	0.280
				0.013	0.007	0.12
GROUP: C020411.ASC ,obs#: 125						
DXCT		1001	236	-8745.60060	0.008	0.688
				0.015	0.012	0.49
DYCT		1001	236	7593.24650	0.006	0.486
				0.015	0.012	0.35
DZCT		1001	236	12782.61950	0.002	0.159
				0.015	0.012	0.11
GROUP: C020411.ASC ,obs#: 126						
DXCT		1002	236	-10130.55130	-0.004	-0.686
				0.010	0.005	0.32

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		1002	236	-1083.77810	-0.003	-0.484
				0.010	0.005	0.23
DZCT		1002	236	-4920.28440	-0.001	-0.161
				0.010	0.005	0.07
GROUP: C020411.ASC ,obs#: 127						
DXCT		1001	237	-5860.62370	0.001	0.087
				0.010	0.007	0.05
DYCT		1001	237	5408.41770	-0.018	-2.411
				0.010	0.008	1.49
DZCT		1001	237	9215.54360	-0.003	-0.413
				0.010	0.007	0.25
GROUP: C020411.ASC ,obs#: 128						
DXCT		1002	237	-7245.58520	-0.001	-0.088
				0.010	0.007	0.05
DYCT		1002	237	-3268.65010	0.016	2.411
				0.010	0.007	1.42
DZCT		1002	237	-8487.36900	0.003	0.414
				0.010	0.007	0.24
GROUP: C020411.ASC ,obs#: 129						
DXCT		1002	238	-3618.48110	-0.007	-0.901
				0.010	0.008	0.59
DYCT		1002	238	-4469.27790	0.021	2.730
				0.010	0.008	1.80
DZCT		1002	238	-9890.18460	0.007	0.900
				0.010	0.008	0.59
GROUP: C020411.ASC ,obs#: 130						
DXCT		1001	238	-2233.52950	0.004	0.897
				0.008	0.005	0.47
DYCT		1001	238	4207.78930	-0.013	-2.722
				0.008	0.005	1.46
DZCT		1001	238	7812.73320	-0.004	-0.882
				0.008	0.005	0.47
GROUP: C020411.ASC ,obs#: 131						
DXCT		1001	239	-1139.92720	-0.005	-0.406
				0.013	0.012	0.33
DYCT		1001	239	6949.46470	0.005	0.404
				0.013	0.013	0.33
DZCT		1001	239	13577.18050	-0.022	-1.798
				0.013	0.012	1.46
GROUP: C020411.ASC ,obs#: 132						
DXCT		1002	239	-2524.89550	0.001	0.405
				0.004	0.001	0.11
DYCT		1002	239	-1727.56290	-0.001	-0.406
				0.004	0.001	0.11
DZCT		1002	239	-4125.75100	0.003	1.798
				0.004	0.001	0.49
GROUP: C020511.ASC ,obs#: 133						
DXCT		1001	1002	1384.95560	0.007	0.426
				0.017	0.017	0.36
DYCT		1001	1002	8677.03170	0.002	0.091
				0.017	0.017	0.08
DZCT		1001	1002	17702.90810	-0.001	-0.084

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.017	0.017	0.07
GROUP: C020511.ASC ,obs#: 134						
DXCT		1001	240	5154.95690	0.009	0.524
				0.018	0.018	0.44
DYCT		1001	240	8704.68660	0.002	0.120
				0.018	0.018	0.10
DZCT		1001	240	18775.70910	0.001	0.070
				0.018	0.018	0.06
GROUP: C020511.ASC ,obs#: 135						
DXCT		1002	240	3770.00380	-0.000	-0.524
				0.003	0.001	0.08
DYCT		1002	240	27.65560	-0.000	-0.121
				0.003	0.001	0.02
DZCT		1002	240	1072.80370	-0.000	-0.069
				0.003	0.001	0.01
GROUP: C020511.ASC ,obs#: 136						
DXCT		1001	241	8919.07140	0.014	0.680
				0.022	0.021	0.55
DYCT		1001	241	9715.95950	0.002	0.097
				0.022	0.021	0.08
DZCT		1001	241	21795.05170	0.006	0.283
				0.022	0.021	0.23
GROUP: C020511.ASC ,obs#: 137						
DXCT		1002	241	7534.12420	-0.002	-0.680
				0.007	0.002	0.19
DYCT		1002	241	1038.92850	-0.000	-0.096
				0.007	0.002	0.03
DZCT		1002	241	4092.15150	-0.001	-0.283
				0.007	0.002	0.08
GROUP: C020511.ASC ,obs#: 138						
DXCT		1001	242	15068.81440	-0.002	-0.073
				0.025	0.022	0.06
DYCT		1001	242	9578.53000	-0.028	-1.260
				0.025	0.022	0.96
DZCT		1001	242	23163.09410	0.029	1.312
				0.025	0.022	1.00
GROUP: C020511.ASC ,obs#: 139						
DXCT		1002	242	13683.84960	0.000	0.077
				0.013	0.006	0.03
DYCT		1002	242	901.46150	0.007	1.267
				0.013	0.006	0.49
DZCT		1002	242	5460.22420	-0.008	-1.319
				0.013	0.006	0.51
GROUP: C020511.ASC ,obs#: 140						
DXCT		1001	243	16466.71550	0.007	0.412
				0.020	0.017	0.29
DYCT		1001	243	5853.81770	0.004	0.215
				0.020	0.017	0.15
DZCT		1001	243	16126.92420	-0.004	-0.240
				0.020	0.017	0.17
GROUP: C020511.ASC ,obs#: 141						
DXCT		1002	243	15081.76270	-0.003	-0.413

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.013	0.007	0.19
DYCT		1002	243	-2823.21030	-0.002	-0.217
				0.013	0.007	0.10
DZCT		1002	243	-1575.98830	0.002	0.241
				0.013	0.007	0.11
GROUP: C020511.ASC ,obs#: 142						
DXCT		1001	244	22258.76110	0.000	0.029
				0.022	0.017	0.02
DYCT		1001	244	3258.24950	0.006	0.358
				0.022	0.017	0.23
DZCT		1001	244	12485.48700	0.000	0.028
				0.022	0.017	0.02
GROUP: C020511.ASC ,obs#: 143						
DXCT		1002	244	20873.79920	-0.000	-0.029
				0.019	0.012	0.02
DYCT		1002	244	-5418.77330	-0.004	-0.358
				0.019	0.012	0.20
DZCT		1002	244	-5217.41890	-0.000	-0.027
				0.019	0.012	0.02
GROUP: C020511.ASC ,obs#: 144						
DXCT		1001	245	20762.49480	0.006	0.437
				0.020	0.014	0.27
DYCT		1001	245	2042.95380	0.006	0.394
				0.020	0.014	0.24
DZCT		1001	245	9664.44410	-0.006	-0.390
				0.020	0.014	0.24
GROUP: C020511.ASC ,obs#: 145						
DXCT		1002	245	19377.54390	-0.006	-0.437
				0.019	0.013	0.26
DYCT		1002	245	-6634.06870	-0.005	-0.395
				0.019	0.013	0.23
DZCT		1002	245	-8038.47320	0.005	0.391
				0.019	0.013	0.23
GROUP: C020511.ASC ,obs#: 146						
DXCT		1001	246	24962.03890	0.006	0.356
				0.022	0.016	0.21
DYCT		1001	246	762.10520	0.003	0.194
				0.023	0.016	0.12
DZCT		1001	246	8219.24300	-0.009	-0.559
				0.023	0.016	0.34
GROUP: C020511.ASC ,obs#: 147						
DXCT		1002	246	23577.08750	-0.006	-0.356
				0.023	0.016	0.22
DYCT		1002	246	-7914.92180	-0.003	-0.195
				0.023	0.016	0.12
DZCT		1002	246	-9483.68160	0.009	0.559
				0.023	0.016	0.34
GROUP: C020511.ASC ,obs#: 148						
DXCT		1001	247	18725.03670	-0.000	-0.010
				0.016	0.010	0.00
DYCT		1001	247	-1657.17090	-0.003	-0.317
				0.016	0.010	0.16

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		1001	247	1721.03690	0.001	0.085
				0.016	0.010	0.04
GROUP: C020511.ASC ,obs#: 149						
DXCT		1002	247	17340.07370	0.000	0.009
				0.022	0.018	0.01
DYCT		1002	247	-10334.21280	0.006	0.317
				0.022	0.018	0.22
DZCT		1002	247	-15981.86750	-0.001	-0.084
				0.022	0.018	0.06
GROUP: C020511.ASC ,obs#: 150						
DXCT		1001	248	18876.10970	0.004	0.383
				0.017	0.011	0.21
DYCT		1001	248	-141.61430	0.001	0.063
				0.017	0.011	0.03
DZCT		1001	248	4796.92780	-0.001	-0.062
				0.017	0.011	0.03
GROUP: C020511.ASC ,obs#: 151						
DXCT		1002	248	17491.15690	-0.006	-0.383
				0.020	0.015	0.25
DYCT		1002	248	-8818.64590	-0.001	-0.062
				0.020	0.015	0.04
DZCT		1002	248	-12905.98050	0.001	0.062
				0.020	0.015	0.04
GROUP: C020611.ASC ,obs#: 152						
DXCT		1003	1004	-1376.49730	0.001	0.808
				0.002	0.001	0.24
DYCT		1003	1004	1106.23090	-0.001	-0.950
				0.002	0.001	0.28
DZCT		1003	1004	1841.32030	-0.000	-0.202
				0.002	0.001	0.06
GROUP: C020611.ASC ,obs#: 153						
DXCT		1003	249	7455.51950	-0.000	-0.066
				0.007	0.005	0.04
DYCT		1003	249	935.78780	0.002	0.456
				0.007	0.005	0.27
DZCT		1003	249	3769.83050	-0.001	-0.267
				0.007	0.005	0.15
GROUP: C020611.ASC ,obs#: 154						
DXCT		1004	249	8832.01550	0.000	0.067
				0.008	0.006	0.04
DYCT		1004	249	-170.43760	-0.003	-0.456
				0.008	0.006	0.28
DZCT		1004	249	1928.50760	0.001	0.265
				0.008	0.006	0.16
GROUP: C020611.ASC ,obs#: 155						
DXCT		1003	250	7991.74500	0.000	0.105
				0.007	0.005	0.06
DYCT		1003	250	195.42490	0.000	0.100
				0.007	0.005	0.06
DZCT		1003	250	2438.67330	-0.000	-0.005
				0.007	0.005	0.00
GROUP: C020611.ASC ,obs#: 156						

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		1004	250	9368.24280	-0.001	-0.105
				0.008	0.006	0.07
DYCT		1004	250	-910.80420	-0.001	-0.100
				0.008	0.006	0.06
DZCT		1004	250	597.35310	0.000	0.005
				0.008	0.006	0.00
GROUP: C020611.ASC ,obs#: 157						
DXCT		1003	251	8091.12120	-0.006	-1.191
				0.008	0.005	0.63
DYCT		1003	251	-2589.07160	0.006	1.347
				0.008	0.005	0.72
DZCT		1003	251	-3065.97820	-0.000	-0.097
				0.008	0.005	0.05
GROUP: C020611.ASC ,obs#: 158						
DXCT		1004	251	9467.60340	0.009	1.193
				0.010	0.007	0.78
DYCT		1004	251	-3695.28530	-0.010	-1.348
				0.010	0.007	0.89
DZCT		1004	251	-4907.29950	0.001	0.093
				0.010	0.007	0.06
GROUP: C020611.ASC ,obs#: 159						
DXCT		1003	252	9280.70940	-0.002	-0.359
				0.010	0.006	0.19
DYCT		1003	252	-4335.28300	-0.001	-0.222
				0.010	0.007	0.12
DZCT		1003	252	-6236.47360	0.006	0.851
				0.010	0.007	0.46
GROUP: C020611.ASC ,obs#: 160						
DXCT		1004	252	10657.20040	0.003	0.358
				0.012	0.009	0.23
DYCT		1004	252	-5441.51670	0.002	0.220
				0.012	0.009	0.14
DZCT		1004	252	-8077.78020	-0.008	-0.851
				0.012	0.009	0.55
GROUP: C020611.ASC ,obs#: 161						
DXCT		1003	KVTX	-39652.46750	-0.019	-0.183
				0.103	0.102	0.15
DYCT		1003	KVTX	56541.35260	-0.009	-0.091
				0.103	0.102	0.08
DZCT		1003	KVTX	99474.09010	-0.020	-0.199
				0.103	0.102	0.17
GROUP: C020611.ASC ,obs#: 162						
DXCT		1004	KVTX	-38275.97020	-0.019	-0.194
				0.101	0.100	0.16
DYCT		1004	KVTX	55435.12800	-0.015	-0.149
				0.101	0.100	0.13
DZCT		1004	KVTX	97632.77210	-0.022	-0.224
				0.101	0.100	0.19
GROUP: C020611.ASC ,obs#: 163						
DXCT		1003	TXPR	-78182.95560	-0.009	-0.132
				0.072	0.070	0.11
DYCT		1003	TXPR	-5690.33420	-0.039	-0.551

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.072	0.071	0.46
DZCT		1003	TXPR	-32700.16450	0.005	0.068
				0.072	0.071	0.06
GROUP: C020611.ASC ,obs#: 164						
DXCT		1004	TXPR	-76806.45840	-0.010	-0.140
				0.072	0.070	0.12
DYCT		1004	TXPR	-6796.55810	-0.045	-0.644
				0.072	0.070	0.54
DZCT		1004	TXPR	-34541.48190	0.002	0.029
				0.072	0.070	0.02
GROUP: C020711.ASC ,obs#: 165						
DXCT		1001	1002	1384.97700	-0.014	-0.851
				0.017	0.017	0.72
DYCT		1001	1002	8677.03510	-0.002	-0.111
				0.017	0.017	0.09
DZCT		1001	1002	17702.89890	0.008	0.465
				0.017	0.017	0.39
GROUP: C020711.ASC ,obs#: 166						
DXCT		1001	253	10033.95880	-0.006	-0.370
				0.018	0.017	0.29
DYCT		1001	253	7344.52320	0.016	0.971
				0.018	0.017	0.77
DZCT		1001	253	17380.54680	0.000	0.015
				0.018	0.017	0.01
GROUP: C020711.ASC ,obs#: 167						
DXCT		1002	253	8648.98880	0.001	0.370
				0.007	0.003	0.12
DYCT		1002	253	-1332.49090	-0.003	-0.971
				0.007	0.003	0.31
DZCT		1002	253	-322.35960	-0.000	-0.016
				0.007	0.003	0.01
GROUP: C020711.ASC ,obs#: 168						
DXCT		1001	254	6683.55130	-0.014	-0.956
				0.016	0.015	0.77
DYCT		1001	254	7055.07340	0.010	0.645
				0.016	0.015	0.53
DZCT		1001	254	15906.89780	0.007	0.487
				0.016	0.015	0.40
GROUP: C020711.ASC ,obs#: 169						
DXCT		1002	254	5298.57270	0.001	0.956
				0.005	0.001	0.24
DYCT		1002	254	-1621.94900	-0.001	-0.635
				0.005	0.002	0.17
DZCT		1002	254	-1796.00070	-0.001	-0.480
				0.005	0.002	0.13
GROUP: C020711.ASC ,obs#: 170						
DXCT		1001	255	5290.12660	-0.012	-1.157
				0.012	0.011	0.87
DYCT		1001	255	5356.58690	0.003	0.246
				0.012	0.011	0.18
DZCT		1001	255	12145.85730	0.021	1.995
				0.012	0.011	1.49

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: C020711.ASC ,obs#: 171						
DXCT		1002	255	3905.14800	0.003	1.162
				0.006	0.003	0.46
DYCT		1002	255	-3320.44300	-0.001	-0.230
				0.006	0.003	0.09
DZCT		1002	255	-5557.02200	-0.006	-1.996
				0.006	0.003	0.80
GROUP: C020711.ASC ,obs#: 172						
DXCT		1001	256	4836.70160	-0.006	-1.308
				0.008	0.004	0.65
DYCT		1001	256	2885.09580	0.003	0.630
				0.008	0.005	0.31
DZCT		1001	256	7088.59490	0.002	0.456
				0.008	0.004	0.23
GROUP: C020711.ASC ,obs#: 173						
DXCT		1002	256	3451.72170	0.011	1.308
				0.011	0.009	0.90
DYCT		1002	256	-5791.92910	-0.005	-0.631
				0.011	0.009	0.44
DZCT		1002	256	-10614.30580	-0.004	-0.457
				0.011	0.009	0.31
GROUP: C020711.ASC ,obs#: 174						
DXCT		1001	257	11183.68860	-0.003	-0.285
				0.013	0.009	0.18
DYCT		1001	257	3146.17600	0.000	0.048
				0.013	0.009	0.03
DZCT		1001	257	9316.67550	0.015	1.644
				0.013	0.009	1.02
GROUP: C020711.ASC ,obs#: 175						
DXCT		1002	257	9798.72090	0.002	0.285
				0.012	0.008	0.17
DYCT		1002	257	-5530.85640	-0.000	-0.045
				0.012	0.008	0.03
DZCT		1002	257	-8386.20260	-0.013	-1.643
				0.012	0.008	0.96
GROUP: C020711.ASC ,obs#: 176						
DXCT		1001	258	15426.46040	-0.008	-0.595
				0.018	0.014	0.41
DYCT		1001	258	4429.09680	-0.000	-0.026
				0.018	0.014	0.02
DZCT		1001	258	13011.58350	0.008	0.596
				0.018	0.014	0.41
GROUP: C020711.ASC ,obs#: 177						
DXCT		1002	258	14041.48460	0.005	0.596
				0.013	0.008	0.30
DYCT		1002	258	-4247.93700	0.000	0.026
				0.013	0.008	0.01
DZCT		1002	258	-4691.31010	-0.005	-0.597
				0.013	0.008	0.30
GROUP: C020711.ASC ,obs#: 178						
DXCT		1001	259	19670.02980	-0.008	-0.526
				0.019	0.015	0.33

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		1001	259	2923.49120	-0.008	-0.549
				0.020	0.015	0.35
DZCT		1001	259	11133.65050	0.007	0.512
				0.020	0.015	0.33
GROUP: C020711.ASC ,obs#: 179						
DXCT		1002	259	18285.05340	0.006	0.526
				0.017	0.011	0.30
DYCT		1002	259	-5753.55640	0.006	0.549
				0.017	0.012	0.31
DZCT		1002	259	-6569.24280	-0.006	-0.513
				0.017	0.012	0.29
GROUP: C020711.ASC ,obs#: 180						
DXCT		1001	260	18189.18790	-0.002	-0.142
				0.017	0.013	0.09
DYCT		1001	260	2159.97920	0.005	0.434
				0.018	0.013	0.27
DZCT		1001	260	9215.13530	-0.011	-0.872
				0.018	0.013	0.53
GROUP: C020711.ASC ,obs#: 181						
DXCT		1002	260	16804.22170	0.002	0.142
				0.017	0.012	0.08
DYCT		1002	260	-6517.04340	-0.005	-0.434
				0.017	0.012	0.26
DZCT		1002	260	-8487.79270	0.010	0.872
				0.017	0.012	0.52
GROUP: C020711.ASC ,obs#: 182						
DXCT		1001	261	18025.29580	-0.006	-0.531
				0.017	0.011	0.31
DYCT		1001	261	1202.54680	0.004	0.351
				0.017	0.011	0.21
DZCT		1001	261	7258.37170	0.000	0.020
				0.017	0.011	0.01
GROUP: C020711.ASC ,obs#: 183						
DXCT		1002	261	16640.32010	0.007	0.531
				0.018	0.013	0.33
DYCT		1002	261	-7474.47780	-0.005	-0.352
				0.018	0.013	0.22
DZCT		1002	261	-10444.53450	-0.000	-0.021
				0.018	0.013	0.01
GROUP: C020711.ASC ,obs#: 184						
DXCT		1001	262	14033.50470	-0.004	-0.498
				0.013	0.008	0.25
DYCT		1001	262	557.01660	-0.013	-1.745
				0.013	0.008	0.89
DZCT		1001	262	4903.16040	0.003	0.356
				0.013	0.008	0.18
GROUP: C020711.ASC ,obs#: 185						
DXCT		1002	262	12648.53140	0.007	0.504
				0.017	0.013	0.34
DYCT		1002	262	-8120.05380	0.024	1.748
				0.017	0.014	1.21
DZCT		1002	262	-12799.73870	-0.005	-0.364

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.017	0.013	0.25
GROUP: C012511.ASC ,obs#: 186						
DXCT		101	102	16156.33120	0.005	0.356
				0.014	0.014	0.30
DYCT		101	102	-3556.99420	0.011	0.770
				0.014	0.014	0.64
DZCT		101	102	-2515.94890	-0.002	-0.177
				0.014	0.014	0.15
GROUP: C012511.ASC ,obs#: 187						
DXCT		101	103	-1751.26880	0.013	0.983
				0.014	0.014	0.80
DYCT		101	103	7709.43090	0.012	0.870
				0.014	0.014	0.71
DZCT		101	103	14763.10620	-0.004	-0.257
				0.014	0.014	0.21
GROUP: C012511.ASC ,obs#: 188						
DXCT		102	103	-17907.60100	0.009	0.413
				0.023	0.023	0.34
DYCT		102	103	11266.42640	-0.000	-0.005
				0.023	0.023	0.00
DZCT		102	103	17279.05940	-0.005	-0.234
				0.023	0.023	0.20
GROUP: C012511.ASC ,obs#: 189						
DXCT		101	25R B	15931.81990	0.005	0.328
				0.014	0.014	0.27
DYCT		101	25R B	-3829.38500	-0.001	-0.068
				0.014	0.014	0.06
DZCT		101	25R B	-3126.83510	-0.013	-0.962
				0.014	0.014	0.81
GROUP: C012511.ASC ,obs#: 190						
DXCT		102	25R B	-224.51170	-0.000	0.000*
				0.001	0.000	0.02
DYCT		102	25R B	-272.40250	-0.000	-0.038
				0.001	0.000	0.01
DZCT		102	25R B	-610.89720	0.000	0.228
				0.001	0.000	0.06
GROUP: C012511.ASC ,obs#: 191						
DXCT		101	U 630 RESET	12246.16230	0.003	0.341
				0.014	0.010	0.21
DYCT		101	U 630 RESET	3406.47360	0.007	0.650
				0.014	0.010	0.41
DZCT		101	U 630 RESET	10199.79420	-0.002	-0.222
				0.014	0.010	0.14
GROUP: C012511.ASC ,obs#: 192						
DXCT		102	U 630 RESET	-3910.16750	-0.003	-0.340
				0.013	0.009	0.19
DYCT		102	U 630 RESET	6963.46940	-0.006	-0.649
				0.013	0.009	0.38
DZCT		102	U 630 RESET	12715.74140	0.002	0.218
				0.013	0.009	0.13
GROUP: C012611.ASC ,obs#: 193						
DXCT		101	1	11398.23140	0.006	0.619

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.014	0.010	0.37
DYCT		101	1	3619.47420	0.014	1.444
				0.014	0.010	0.88
DZCT		101	1	10382.66300	-0.009	-0.916
				0.014	0.010	0.56
GROUP: C012611.ASC ,obs#: 194						
DXCT		102	1	-4758.09320	-0.006	-0.619
				0.013	0.009	0.37
DYCT		102	1	7176.48500	-0.013	-1.445
				0.013	0.009	0.86
DZCT		102	1	12898.59710	0.008	0.918
				0.013	0.009	0.55
GROUP: C012611.ASC ,obs#: 195						
DXCT		101	102	16156.32920	0.007	0.500
				0.014	0.014	0.42
DYCT		101	102	-3557.00130	0.018	1.279
				0.014	0.014	1.07
DZCT		101	102	-2515.94700	-0.004	-0.313
				0.014	0.014	0.26
GROUP: C012611.ASC ,obs#: 196						
DXCT		101	2	15870.40200	0.000	0.020
				0.016	0.013	0.01
DYCT		101	2	2170.77870	0.006	0.485
				0.016	0.013	0.34
DZCT		101	2	8768.37950	0.003	0.251
				0.016	0.013	0.17
GROUP: C012611.ASC ,obs#: 197						
DXCT		102	2	-285.93380	-0.000	-0.019
				0.011	0.006	0.01
DYCT		102	2	5727.77130	-0.003	-0.487
				0.011	0.006	0.23
DZCT		102	2	11284.33560	-0.002	-0.254
				0.011	0.006	0.12
GROUP: C012611.ASC ,obs#: 198						
DXCT		101	3	15921.39610	0.008	0.599
				0.014	0.013	0.45
DYCT		101	3	-43.91310	0.010	0.751
				0.014	0.013	0.58
DZCT		101	3	4406.66000	0.017	1.353
				0.014	0.013	1.03
GROUP: C012611.ASC ,obs#: 199						
DXCT		102	3	-234.93090	-0.002	-0.599
				0.007	0.003	0.21
DYCT		102	3	3513.08200	-0.002	-0.753
				0.007	0.003	0.27
DZCT		102	3	6922.63210	-0.004	-1.355
				0.007	0.003	0.48
GROUP: C012611.ASC ,obs#: 200						
DXCT		101	E 630 RESET	-5381.00540	0.000	0.024
				0.018	0.010	0.01
DYCT		101	E 630 RESET	9642.33980	0.002	0.225
				0.018	0.010	0.10

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		101	E 630 RESET	17549.95180	-0.000	-0.046
				0.018	0.010	0.02
GROUP: C012611.ASC ,obs#: 201						
DXCT		102	E 630 RESET	-21537.34080	-0.001	-0.024
				0.027	0.023	0.02
DYCT		102	E 630 RESET	13199.33060	-0.005	-0.225
				0.028	0.023	0.16
DZCT		102	E 630 RESET	20065.90170	0.001	0.045
				0.027	0.023	0.03
GROUP: C012611.ASC ,obs#: 202						
DXCT		101	R 630 RESET	8465.47460	0.005	0.582
				0.013	0.008	0.32
DYCT		101	R 630 RESET	4822.56540	0.010	1.179
				0.013	0.008	0.64
DZCT		101	R 630 RESET	11934.09700	-0.003	-0.316
				0.013	0.008	0.17
GROUP: C012611.ASC ,obs#: 203						
DXCT		102	R 630 RESET	-7690.84980	-0.007	-0.581
				0.016	0.012	0.38
DYCT		102	R 630 RESET	8379.57280	-0.014	-1.177
				0.016	0.012	0.76
DZCT		102	R 630 RESET	14450.04200	0.004	0.313
				0.016	0.012	0.20
GROUP: C012711.ASC ,obs#: 204						
DXCT		101	10	17336.03830	0.004	0.254
				0.018	0.017	0.20
DYCT		101	10	-7135.50600	-0.030	-1.829
				0.018	0.017	1.45
DZCT		101	10	-9297.33280	-0.021	-1.262
				0.018	0.017	1.00
GROUP: C012711.ASC ,obs#: 205						
DXCT		102	10	1179.70690	-0.001	-0.253
				0.007	0.002	0.07
DYCT		102	10	-3578.55710	0.004	1.821
				0.007	0.002	0.54
DZCT		102	10	-6781.40520	0.003	1.251
				0.007	0.002	0.37
GROUP: C012711.ASC ,obs#: 206						
DXCT		101	102	16156.33450	0.002	0.120
				0.014	0.014	0.10
DYCT		101	102	-3556.96930	-0.014	-1.013
				0.014	0.014	0.84
DZCT		101	102	-2515.95730	0.006	0.425
				0.014	0.014	0.35
GROUP: C012711.ASC ,obs#: 207						
DXCT		101	11	14028.88620	-0.004	-0.325
				0.015	0.013	0.26
DYCT		101	11	-5840.00740	-0.049	-3.570
				0.015	0.014	2.86
DZCT		101	11	-7663.00550	-0.005	-0.396
				0.015	0.014	0.31
GROUP: C012711.ASC ,obs#: 208						

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		102	11	-2127.45490	0.001	0.331
				0.005	0.002	0.09
DYCT		102	11	-2283.07880	0.006	3.567
				0.005	0.002	1.03
DZCT		102	11	-5147.06010	0.001	0.370
				0.005	0.002	0.10
GROUP: C012711.ASC ,obs#: 209						
DXCT		101	12	15182.71310	0.010	0.755
				0.014	0.013	0.63
DYCT		101	12	-3525.03480	-0.039	-2.883
				0.014	0.013	2.44
DZCT		101	12	-2723.34870	0.017	1.314
				0.014	0.013	1.10
GROUP: C012711.ASC ,obs#: 210						
DXCT		102	12	-973.61310	-0.000	0.000*
				0.001	0.000	0.03
DYCT		102	12	31.90980	0.000	0.000*
				0.001	0.000	0.28
DZCT		102	12	-207.37990	-0.000	0.000*
				0.001	0.000	0.10
GROUP: C012711.ASC ,obs#: 211						
DXCT		101	13	15525.52580	0.010	0.844
				0.014	0.012	0.66
DYCT		101	13	-747.88620	-0.019	-1.499
				0.014	0.013	1.23
DZCT		101	13	2889.08430	0.024	1.929
				0.014	0.012	1.51
GROUP: C012711.ASC ,obs#: 212						
DXCT		102	13	-630.79840	-0.002	-0.839
				0.005	0.002	0.25
DYCT		102	13	2809.07470	0.003	1.511
				0.006	0.002	0.50
DZCT		102	13	5405.06310	-0.004	-1.941
				0.005	0.002	0.59
GROUP: C012711.ASC ,obs#: 213						
DXCT		101	4	2159.30050	-0.000	-0.737
				0.002	0.000	0.10
DYCT		101	4	-470.13050	-0.000	-0.676
				0.002	0.000	0.11
DZCT		101	4	-321.58260	0.000	0.372
				0.002	0.000	0.05
GROUP: C012711.ASC ,obs#: 214						
DXCT		102	4	-13997.04430	0.008	0.708
				0.012	0.012	0.58
DYCT		102	4	3086.84510	0.008	0.636
				0.012	0.012	0.52
DZCT		102	4	2194.37260	-0.004	-0.313
				0.012	0.012	0.26
GROUP: C012711.ASC ,obs#: 215						
DXCT		101	5	8415.23560	-0.017	-3.187
				0.007	0.005	1.92
DYCT		101	5	-1823.72950	0.013	2.382

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION / STD DEV	RESIDUAL / STD DEV	STD RES / PPM
				0.008	0.005	1.46
DZCT		101	5	-1251.65800	-0.004	-0.833
				0.007	0.005	0.50
GROUP: C012711.ASC ,obs#: 216						
DXCT		102	5	-7741.13150	0.014	3.193
				0.007	0.004	1.77
DYCT		102	5	1733.27740	-0.011	-2.386
				0.007	0.005	1.34
DZCT		102	5	1264.28530	0.004	0.827
				0.007	0.004	0.46
GROUP: C012711.ASC ,obs#: 217						
DXCT		101	6	21590.51540	0.008	0.453
				0.019	0.018	0.37
DYCT		101	6	-4668.29360	-0.036	-1.987
				0.019	0.018	1.63
DZCT		101	6	-3188.41830	0.018	1.002
				0.019	0.018	0.82
GROUP: C012711.ASC ,obs#: 218						
DXCT		102	6	5434.18800	-0.001	-0.438
				0.005	0.001	0.09
DYCT		102	6	-1111.34890	0.002	1.999
				0.005	0.001	0.42
DZCT		102	6	-672.44740	-0.001	-1.029
				0.005	0.001	0.22
GROUP: C012711.ASC ,obs#: 219						
DXCT		101	7	27016.83680	0.004	0.173
				0.024	0.022	0.14
DYCT		101	7	-5273.43330	-0.018	-0.819
				0.024	0.022	0.65
DZCT		101	7	-2876.00740	0.005	0.211
				0.024	0.022	0.17
GROUP: C012711.ASC ,obs#: 220						
DXCT		102	7	10860.50500	-0.001	-0.174
				0.009	0.003	0.05
DYCT		102	7	-1716.47060	0.003	0.819
				0.009	0.003	0.26
DZCT		102	7	-360.05070	-0.001	-0.210
				0.009	0.003	0.07
GROUP: C012711.ASC ,obs#: 221						
DXCT		101	8	28037.61900	-0.006	-0.295
				0.024	0.022	0.23
DYCT		101	8	-3101.09330	-0.012	-0.537
				0.024	0.022	0.42
DZCT		101	8	1720.70260	0.007	0.321
				0.024	0.022	0.25
GROUP: C012711.ASC ,obs#: 222						
DXCT		102	8	11881.27510	0.001	0.295
				0.011	0.004	0.10
DYCT		102	8	455.87600	0.002	0.537
				0.011	0.004	0.19
DZCT		102	8	4236.66240	-0.001	-0.321
				0.011	0.004	0.11

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: C012711.ASC ,obs#: 223						
DXCT		101	9	24496.16690	0.001	0.064
				0.024	0.022	0.05
DYCT		101	9	-8943.17840	-0.012	-0.538
				0.024	0.022	0.41
DZCT		101	9	-10903.37880	0.023	1.071
				0.024	0.022	0.82
GROUP: C012711.ASC ,obs#: 224						
DXCT		102	9	8339.83240	-0.000	-0.062
				0.011	0.005	0.02
DYCT		102	9	-5386.20920	0.003	0.542
				0.011	0.005	0.19
DZCT		102	9	-8387.39920	-0.005	-1.072
				0.011	0.005	0.38
GROUP: C012711.ASC ,obs#: 225						
DXCT		102	KVTX	30228.28730	-0.017	-0.163
				0.105	0.105	0.14
DYCT		102	KVTX	51474.64600	-0.134	-1.272
				0.105	0.105	1.08
DZCT		102	KVTX	108315.59020	0.045	0.424
				0.105	0.105	0.36
GROUP: C012711.ASC ,obs#: 226						
DXCT		101	KVTX	46384.62330	-0.017	-0.160
				0.106	0.106	0.14
DYCT		101	KVTX	47917.69040	-0.162	-1.520
				0.107	0.106	1.29
DZCT		101	KVTX	105799.63120	0.052	0.491
				0.106	0.106	0.42
GROUP: C012711.ASC ,obs#: 227						
DXCT		101	TXLR	-105735.59720	0.001	0.010
				0.139	0.139	0.01
DYCT		101	TXLR	69348.52760	-0.025	-0.183
				0.139	0.139	0.16
DZCT		101	TXLR	102700.88210	-0.003	-0.024
				0.139	0.139	0.02
GROUP: C012711.ASC ,obs#: 228						
DXCT		102	TXLR	-121891.93130	-0.001	-0.005
				0.151	0.150	0.00
DYCT		102	TXLR	72905.49660	-0.011	-0.073
				0.151	0.151	0.06
DZCT		102	TXLR	105216.83960	-0.010	-0.063
				0.151	0.150	0.05
GROUP: C012711.ASC ,obs#: 229						
DXCT		101	TXPR	7854.11940	0.008	0.313
				0.026	0.026	0.26
DYCT		101	TXPR	-14314.18710	-0.001	-0.031
				0.026	0.026	0.03
DZCT		101	TXPR	-26374.54090	-0.005	-0.198
				0.026	0.026	0.17
GROUP: C012711.ASC ,obs#: 230						
DXCT		102	TXPR	-8302.21500	0.006	0.275
				0.023	0.023	0.23

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		102	TXPR	-10757.21900	0.015	0.623
				0.023	0.023	0.53
DZCT		102	TXPR	-23858.58320	-0.012	-0.495
				0.023	0.023	0.42
GROUP: C012811.ASC ,obs#: 231						
DXCT		102	14	9331.75700	-0.001	-0.192
				0.011	0.005	0.08
DYCT		102	14	-5221.15730	-0.004	-0.689
				0.011	0.005	0.28
DZCT		102	14	-7775.98920	0.000	0.073
				0.011	0.005	0.03
GROUP: C012811.ASC ,obs#: 232						
DXCT		TXPR	14	17633.96110	0.003	0.191
				0.021	0.018	0.14
DYCT		TXPR	14	5536.03080	0.013	0.689
				0.021	0.018	0.52
DZCT		TXPR	14	16082.60720	-0.001	-0.071
				0.021	0.018	0.05
GROUP: C012811.ASC ,obs#: 233						
DXCT		102	15	14910.48560	0.001	0.153
				0.015	0.007	0.07
DYCT		102	15	-5325.18460	0.003	0.425
				0.015	0.008	0.19
DZCT		102	15	-6421.37740	-0.001	-0.142
				0.015	0.007	0.06
GROUP: C012811.ASC ,obs#: 234						
DXCT		TXPR	15	23212.69860	-0.003	-0.151
				0.025	0.022	0.11
DYCT		TXPR	15	5432.03230	-0.009	-0.424
				0.025	0.022	0.31
DZCT		TXPR	15	17437.21330	0.003	0.137
				0.025	0.022	0.10
GROUP: C012811.ASC ,obs#: 235						
DXCT		102	16	16158.99270	0.001	0.166
				0.014	0.007	0.06
DYCT		102	16	-3722.82830	0.001	0.172
				0.015	0.007	0.07
DZCT		102	16	-2881.29450	-0.000	-0.020
				0.014	0.007	0.01
GROUP: C012811.ASC ,obs#: 236						
DXCT		TXPR	16	24461.20650	-0.004	-0.165
				0.028	0.025	0.12
DYCT		TXPR	16	7034.38160	-0.004	-0.172
				0.028	0.025	0.13
DZCT		TXPR	16	20977.29960	0.000	0.019
				0.028	0.025	0.01
GROUP: C012811.ASC ,obs#: 237						
DXCT		102	17	23779.71350	0.002	0.147
				0.022	0.012	0.07
DYCT		102	17	-6470.16840	-0.000	-0.009
				0.022	0.012	0.00
DZCT		102	17	-6253.27590	-0.003	-0.265

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION / STD DEV	RESIDUAL / STD DEV	STD RES / PPM
				0.022	0.012	0.13
GROUP: C012811.ASC ,obs#: 238						
DXCT		TXPR	17	32081.92770	-0.004	-0.147
				0.031	0.026	0.10
DYCT		TXPR	17	4287.03570	0.000	0.010
				0.031	0.026	0.01
DZCT		TXPR	17	17605.30870	0.007	0.265
				0.031	0.026	0.19
GROUP: C012811.ASC ,obs#: 239						
DXCT		102	18	13856.10180	-0.000	-0.033
				0.015	0.009	0.02
DYCT		102	18	-6769.19910	-0.001	-0.070
				0.016	0.009	0.03
DZCT		102	18	-9598.96990	-0.003	-0.362
				0.016	0.009	0.17
GROUP: C012811.ASC ,obs#: 240						
DXCT		TXPR	18	22158.30950	0.001	0.033
				0.023	0.019	0.02
DYCT		TXPR	18	3988.00340	0.001	0.072
				0.023	0.019	0.05
DZCT		TXPR	18	14259.61490	0.007	0.362
				0.023	0.019	0.25
GROUP: C012811.ASC ,obs#: 241						
DXCT		102	19	8374.14770	0.004	0.450
				0.015	0.009	0.25
DYCT		102	19	-7668.11250	0.005	0.522
				0.015	0.010	0.29
DZCT		102	19	-12927.96940	0.001	0.154
				0.015	0.009	0.08
GROUP: C012811.ASC ,obs#: 242						
DXCT		TXPR	19	16676.36640	-0.006	-0.449
				0.017	0.013	0.29
DYCT		TXPR	19	3089.10390	-0.007	-0.521
				0.017	0.013	0.34
DZCT		TXPR	19	10930.62880	-0.002	-0.156
				0.017	0.013	0.10
GROUP: C012811.ASC ,obs#: 243						
DXCT		102	20	6574.41410	-0.002	-0.187
				0.013	0.008	0.10
DYCT		102	20	-6948.29140	0.000	0.021
				0.013	0.008	0.01
DZCT		102	20	-11999.95690	0.002	0.209
				0.013	0.008	0.11
GROUP: C012811.ASC ,obs#: 244						
DXCT		TXPR	20	14876.61880	0.002	0.187
				0.017	0.013	0.12
DYCT		TXPR	20	3808.91350	-0.000	-0.020
				0.017	0.013	0.01
DZCT		TXPR	20	11858.64220	-0.003	-0.209
				0.017	0.013	0.14
GROUP: C012811.ASC ,obs#: 245						
DXCT		102	21	9830.76880	-0.001	-0.170

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION / STD DEV	RESIDUAL / STD DEV	STD RES / PPM
				0.010	0.004	0.05
DYCT		102	21	-3480.18870	0.001	0.228
				0.010	0.004	0.07
DZCT		102	21	-4158.84650	0.001	0.294
				0.010	0.004	0.09
GROUP: C012811.ASC ,obs#: 246						
DXCT		TXPR	21	18132.97310	0.004	0.170
				0.024	0.022	0.13
DYCT		TXPR	21	7277.02160	-0.005	-0.229
				0.024	0.022	0.18
DZCT		TXPR	21	19699.75570	-0.006	-0.295
				0.024	0.022	0.23
GROUP: C012811.ASC ,obs#: 247						
DXCT		102	TXPR	-8302.21080	0.002	0.095
				0.023	0.023	0.08
DYCT		102	TXPR	-10757.20000	-0.004	-0.191
				0.023	0.023	0.16
DZCT		102	TXPR	-23858.59460	-0.000	-0.005
				0.023	0.023	0.00
GROUP: C012911.ASC ,obs#: 248						
DXCT		102	101	-16156.32840	-0.008	-0.557
				0.014	0.014	0.46
DYCT		102	101	3556.99510	-0.012	-0.835
				0.014	0.014	0.70
DZCT		102	101	2515.94750	0.004	0.278
				0.014	0.014	0.23
GROUP: C012911.ASC ,obs#: 249						
DXCT		102	22	-18764.15790	-0.010	-0.608
				0.017	0.016	0.51
DYCT		102	22	4164.16660	-0.021	-1.276
				0.017	0.016	1.07
DZCT		102	22	2990.31990	0.040	2.430
				0.017	0.016	2.05
GROUP: C012911.ASC ,obs#: 250						
DXCT		101	22	-2607.83180	0.000	0.722
				0.002	0.000	0.09
DYCT		101	22	607.16170	0.001	1.580
				0.003	0.000	0.22
DZCT		101	22	474.40940	-0.001	-2.574
				0.003	0.000	0.36
GROUP: C012911.ASC ,obs#: 251						
DXCT		102	23	-22838.45500	-0.003	-0.154
				0.020	0.019	0.12
DYCT		102	23	4642.12170	0.015	0.766
				0.020	0.019	0.62
DZCT		102	23	2788.38860	-0.008	-0.427
				0.020	0.019	0.35
GROUP: C012911.ASC ,obs#: 252						
DXCT		101	23	-6682.12200	0.000	0.152
				0.006	0.002	0.04
DYCT		101	23	1085.15410	-0.001	-0.769
				0.006	0.002	0.18

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		101	23	272.42840	0.001	0.433
				0.006	0.002	0.10
GROUP: C012911.ASC ,obs#: 253						
DXCT		102	24	-23705.13390	-0.007	-0.364
				0.020	0.019	0.29
DYCT		102	24	2966.85250	-0.007	-0.342
				0.021	0.019	0.27
DZCT		102	24	-795.33310	-0.006	-0.296
				0.020	0.019	0.24
GROUP: C012911.ASC ,obs#: 254						
DXCT		101	24	-7548.80550	0.001	0.364
				0.007	0.002	0.10
DYCT		101	24	-590.13830	0.001	0.341
				0.007	0.002	0.10
DZCT		101	24	-3311.29080	0.001	0.294
				0.007	0.002	0.08
GROUP: C012911.ASC ,obs#: 255						
DXCT		102	25	-20063.28010	-0.001	-0.071
				0.017	0.016	0.06
DYCT		102	25	1256.42350	0.037	2.244
				0.018	0.016	1.80
DZCT		102	25	-3180.46790	-0.033	-2.025
				0.017	0.016	1.61
GROUP: C012911.ASC ,obs#: 256						
DXCT		101	25	-3906.94520	0.000	0.063
				0.006	0.002	0.02
DYCT		101	25	-2300.51840	-0.005	-2.254
				0.006	0.002	0.66
DZCT		101	25	-5696.45620	0.004	2.036
				0.006	0.002	0.58
GROUP: C012911.ASC ,obs#: 257						
DXCT		102	26	-21002.49400	-0.007	-0.424
				0.019	0.017	0.32
DYCT		102	26	-438.87050	-0.013	-0.801
				0.019	0.017	0.61
DZCT		102	26	-6843.09350	0.011	0.685
				0.019	0.017	0.52
GROUP: C012911.ASC ,obs#: 258						
DXCT		101	26	-4846.16670	0.002	0.423
				0.010	0.004	0.16
DYCT		101	26	-3995.87080	0.003	0.800
				0.010	0.004	0.31
DZCT		101	26	-9359.03050	-0.003	-0.685
				0.010	0.004	0.26
GROUP: C012911.ASC ,obs#: 259						
DXCT		102	27	-21493.75070	0.002	0.117
				0.020	0.017	0.09
DYCT		102	27	-1639.22480	-0.028	-1.620
				0.020	0.017	1.19
DZCT		102	27	-9386.88090	-0.003	-0.175
				0.020	0.017	0.13
GROUP: C012911.ASC ,obs#: 260						

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		101	27	-5337.41180	-0.001	-0.119
				0.012	0.006	0.05
DYCT		101	27	-5196.24600	0.010	1.621
				0.012	0.006	0.70
DZCT		101	27	-11902.83640	0.001	0.183
				0.012	0.006	0.08
GROUP: C012911.ASC ,obs#: 261						
DXCT		102	28	-22460.44660	-0.007	-0.384
				0.022	0.018	0.27
DYCT		102	28	-3166.35440	-0.003	-0.162
				0.022	0.018	0.11
DZCT		102	28	-12729.74350	-0.003	-0.147
				0.022	0.018	0.10
GROUP: C012911.ASC ,obs#: 262						
DXCT		101	28	-6304.12070	0.003	0.384
				0.015	0.009	0.18
DYCT		101	28	-6723.34220	0.001	0.162
				0.015	0.009	0.08
DZCT		101	28	-15245.69880	0.001	0.146
				0.015	0.009	0.07
GROUP: C012911.ASC ,obs#: 263						
DXCT		102	29	-23894.35050	-0.002	-0.097
				0.025	0.020	0.07
DYCT		102	29	-4547.50310	-0.005	-0.245
				0.025	0.020	0.17
DZCT		102	29	-15915.55240	0.003	0.146
				0.025	0.020	0.10
GROUP: C012911.ASC ,obs#: 264						
DXCT		101	29	-7738.01730	0.001	0.097
				0.018	0.011	0.05
DYCT		101	29	-8104.49410	0.003	0.245
				0.019	0.011	0.13
DZCT		101	29	-18431.49930	-0.002	-0.146
				0.018	0.011	0.07
GROUP: C012911.ASC ,obs#: 265						
DXCT		102	30	-19550.79440	-0.001	-0.037
				0.021	0.016	0.03
DYCT		102	30	-4220.83610	-0.000	-0.010
				0.021	0.016	0.01
DZCT		102	30	-13999.38340	0.000	0.026
				0.021	0.016	0.02
GROUP: C012911.ASC ,obs#: 266						
DXCT		101	30	-3394.45920	0.000	0.037
				0.016	0.010	0.02
DYCT		101	30	-7777.81980	0.000	0.010
				0.016	0.010	0.01
DZCT		101	30	-16515.33410	-0.000	-0.026
				0.016	0.010	0.01
GROUP: C012911.ASC ,obs#: 267						
DXCT		102	31	-19604.37870	0.005	0.294
				0.018	0.016	0.21
DYCT		102	31	-1579.40420	-0.005	-0.300

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION / STD DEV	RESIDUAL / STD DEV	STD RES / PPM
				0.018	0.016	0.22
DZCT		102	31	-8726.49580	-0.010	-0.671
				0.018	0.016	0.49
GROUP: C012911.ASC ,obs#: 268						
DXCT		101	31	-3448.03630	-0.002	-0.295
				0.011	0.006	0.13
DYCT		101	31	-5136.39400	0.002	0.298
				0.011	0.006	0.13
DZCT		101	31	-11242.46140	0.004	0.670
				0.011	0.006	0.29
GROUP: C013011.ASC ,obs#: 269						
DXCT		101	103	-1751.25350	-0.002	-0.140
				0.014	0.014	0.11
DYCT		101	103	7709.43750	0.005	0.392
				0.014	0.014	0.32
DZCT		101	103	14763.10200	0.001	0.051
				0.014	0.014	0.04
GROUP: C013011.ASC ,obs#: 270						
DXCT		101	32	-1710.47940	0.007	0.490
				0.014	0.014	0.40
DYCT		101	32	7709.57420	-0.004	-0.268
				0.014	0.014	0.22
DZCT		101	32	14774.26810	-0.009	-0.685
				0.014	0.014	0.56
GROUP: C013011.ASC ,obs#: 271						
DXCT		103	32	40.78270	-0.000	0.000*
				0.000	0.000	0.15
DYCT		103	32	0.12770	-0.000	0.000*
				0.001	0.000	0.32
DZCT		103	32	11.15600	0.000	0.000*
				0.001	0.000	0.52
GROUP: C013011.ASC ,obs#: 272						
DXCT		101	33	-3785.04910	0.002	0.158
				0.016	0.015	0.13
DYCT		101	33	8673.69910	0.019	1.209
				0.016	0.015	1.00
DZCT		101	33	16092.77540	-0.014	-0.898
				0.016	0.015	0.74
GROUP: C013011.ASC ,obs#: 273						
DXCT		103	33	-2033.79120	-0.000	-0.260
				0.002	0.000	0.03
DYCT		103	33	964.27550	-0.001	-1.326
				0.003	0.000	0.21
DZCT		103	33	1329.65850	0.000	1.079
				0.003	0.000	0.15
GROUP: C013011.ASC ,obs#: 274						
DXCT		101	34	-6305.92210	-0.016	-1.156
				0.015	0.014	0.92
DYCT		101	34	7926.22440	0.010	0.725
				0.015	0.014	0.59
DZCT		101	34	13910.72570	-0.006	-0.463
				0.015	0.014	0.37

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: C013011.ASC ,obs#: 275						
DXCT		103	34	-4554.68360	0.001	1.149
				0.004	0.001	0.25
DYCT		103	34	216.79250	-0.001	-0.727
				0.004	0.001	0.17
DZCT		103	34	-852.38380	0.000	0.480
				0.004	0.001	0.11
GROUP: C013011.ASC ,obs#: 276						
DXCT		101	35	-7539.35960	-0.019	-2.255
				0.011	0.008	1.50
DYCT		101	35	5436.32640	-0.013	-1.472
				0.011	0.009	1.00
DZCT		101	35	8657.06630	-0.007	-0.821
				0.011	0.008	0.55
GROUP: C013011.ASC ,obs#: 277						
DXCT		103	35	-5788.13230	0.009	2.259
				0.007	0.004	1.03
DYCT		103	35	-2273.13530	0.006	1.475
				0.008	0.004	0.70
DZCT		103	35	-6106.04660	0.003	0.816
				0.007	0.004	0.37
GROUP: C013011.ASC ,obs#: 278						
DXCT		101	36	-9302.08480	0.002	0.412
				0.009	0.006	0.21
DYCT		101	36	3572.46150	0.010	1.747
				0.009	0.006	0.92
DZCT		101	36	4476.88290	0.009	1.668
				0.009	0.006	0.86
GROUP: C013011.ASC ,obs#: 279						
DXCT		103	36	-7550.82360	-0.003	-0.408
				0.011	0.008	0.26
DYCT		103	36	-4136.95630	-0.015	-1.752
				0.012	0.009	1.12
DZCT		103	36	-10286.19610	-0.014	-1.676
				0.011	0.008	1.06
GROUP: C013011.ASC ,obs#: 280						
DXCT		101	37	-11933.11970	0.003	0.470
				0.010	0.006	0.22
DYCT		101	37	2221.56280	0.008	1.321
				0.011	0.006	0.62
DZCT		101	37	1034.58290	-0.003	-0.600
				0.010	0.006	0.28
GROUP: C013011.ASC ,obs#: 281						
DXCT		103	37	-10181.85580	-0.006	-0.472
				0.015	0.012	0.32
DYCT		103	37	-5487.85580	-0.017	-1.324
				0.016	0.013	0.93
DZCT		103	37	-13728.53080	0.008	0.606
				0.015	0.012	0.42
GROUP: C013111.ASC ,obs#: 282						
DXCT		TXLR	102	121891.92620	0.006	0.039
				0.151	0.150	0.03

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		TXLR	102	-72905.53390	0.048	0.320
				0.151	0.151	0.27
DZCT		TXLR	102	-105216.82170	-0.008	-0.056
				0.151	0.150	0.05
GROUP: C013111.ASC ,obs#: 283						
DXCT		TXPR	102	8302.20380	0.005	0.207
				0.023	0.023	0.18
DYCT		TXPR	102	10757.17200	0.032	1.390
				0.023	0.023	1.18
DZCT		TXPR	102	23858.60850	-0.014	-0.593
				0.023	0.023	0.50
GROUP: C013111.ASC ,obs#: 284						
DXCT		KVTX	102	-30228.27760	0.007	0.071
				0.105	0.105	0.06
DYCT		KVTX	102	-51474.52240	0.010	0.098
				0.105	0.105	0.08
DZCT		KVTX	102	-108315.64740	0.013	0.119
				0.105	0.105	0.10
GROUP: C013111.ASC ,obs#: 285						
DXCT		TXLR	103	103984.34130	-0.001	-0.007
				0.127	0.127	0.01
DYCT		TXLR	103	-61639.09990	0.041	0.318
				0.127	0.127	0.27
DZCT		TXLR	103	-87937.77230	-0.004	-0.029
				0.127	0.127	0.02
GROUP: C013111.ASC ,obs#: 286						
DXCT		TXPR	103	-9605.38190	-0.001	-0.027
				0.041	0.040	0.02
DYCT		TXPR	103	22023.61150	0.019	0.477
				0.041	0.040	0.40
DZCT		TXPR	103	41137.65540	-0.007	-0.165
				0.041	0.040	0.14
GROUP: C013111.ASC ,obs#: 287						
DXCT		KVTX	103	-48135.86190	0.000	0.002
				0.094	0.094	0.00
DYCT		KVTX	103	-40208.07670	-0.009	-0.096
				0.094	0.094	0.08
DZCT		KVTX	103	-91036.60500	0.024	0.258
				0.094	0.094	0.22
GROUP: C013111.ASC ,obs#: 288						
DXCT		102	38	-15836.22360	0.005	0.226
				0.022	0.021	0.19
DYCT		102	38	10685.94720	-0.039	-1.823
				0.022	0.021	1.52
DZCT		102	38	16713.28210	0.007	0.309
				0.022	0.021	0.26
GROUP: C013111.ASC ,obs#: 289						
DXCT		103	38	2071.37280	-0.000	-0.276
				0.002	0.000	0.02
DYCT		103	38	-580.51810	0.000	1.559
				0.002	0.000	0.16
DZCT		103	38	-565.76540	-0.000	-0.255

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.002	0.000	0.02
GROUP: C013111.ASC ,obs#: 290						
DXCT		TXPR	38	-7534.02070	0.010	0.267
				0.040	0.039	0.23
DYCT		TXPR	38	21443.10900	0.004	0.101
				0.040	0.040	0.09
DZCT		TXPR	38	40571.89250	-0.009	-0.233
				0.040	0.039	0.20
GROUP: C013111.ASC ,obs#: 291						
DXCT		102	39	-9636.64740	0.020	1.306
				0.017	0.015	0.99
DYCT		102	39	8940.11110	-0.007	-0.476
				0.017	0.015	0.36
DZCT		102	39	15006.50370	0.004	0.248
				0.017	0.015	0.19
GROUP: C013111.ASC ,obs#: 292						
DXCT		103	39	8270.96870	-0.005	-1.464
				0.008	0.003	0.53
DYCT		103	39	-2326.32330	0.001	0.263
				0.008	0.003	0.10
DZCT		103	39	-2272.54580	-0.001	-0.246
				0.008	0.003	0.09
GROUP: C013111.ASC ,obs#: 293						
DXCT		TXPR	39	-1334.43770	0.019	0.516
				0.037	0.036	0.43
DYCT		TXPR	39	19697.29420	0.014	0.386
				0.037	0.036	0.32
DZCT		TXPR	39	38865.10100	0.001	0.033
				0.037	0.036	0.03
GROUP: C013111.ASC ,obs#: 294						
DXCT		102	40	1079.72320	-0.004	-0.545
				0.013	0.008	0.29
DYCT		102	40	6546.88540	-0.008	-0.994
				0.013	0.008	0.53
DZCT		102	40	13293.90650	0.006	0.727
				0.013	0.008	0.39
GROUP: C013111.ASC ,obs#: 295						
DXCT		103	40	18987.30410	0.006	0.467
				0.017	0.014	0.32
DYCT		103	40	-4719.56150	0.013	0.905
				0.018	0.014	0.64
DZCT		103	40	-3985.12980	-0.012	-0.855
				0.017	0.014	0.60
GROUP: C013111.ASC ,obs#: 296						
DXCT		TXPR	40	9381.92040	0.007	0.206
				0.036	0.034	0.17
DYCT		TXPR	40	17304.07150	0.010	0.301
				0.036	0.035	0.25
DZCT		TXPR	40	37152.50360	0.003	0.097
				0.036	0.035	0.08
GROUP: C013111.ASC ,obs#: 297						
DXCT		TXPR	41	10150.06590	0.001	0.024

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.039	0.037	0.02
DYCT		TXPR	41	18702.93310	0.014	0.371
				0.039	0.037	0.30
DZCT		TXPR	41	40133.80210	-0.002	-0.067
				0.039	0.037	0.05
GROUP: C013111.ASC ,obs#: 298						
DXCT		102	41	1847.85910	-0.001	-0.086
				0.016	0.011	0.05
DYCT		102	41	7945.74850	-0.006	-0.558
				0.016	0.011	0.33
DZCT		102	41	16275.20160	0.003	0.308
				0.016	0.011	0.18
GROUP: C013111.ASC ,obs#: 299						
DXCT		103	41	19755.44880	0.001	0.074
				0.017	0.013	0.05
DYCT		103	41	-3320.68850	0.005	0.360
				0.017	0.013	0.23
DZCT		103	41	-1003.84560	-0.004	-0.276
				0.017	0.013	0.18
GROUP: C013111.ASC ,obs#: 300						
DXCT		102	42	2521.37080	-0.002	-0.166
				0.018	0.013	0.10
DYCT		102	42	9167.07120	-0.016	-1.218
				0.018	0.013	0.77
DZCT		102	42	18873.26030	0.007	0.529
				0.018	0.013	0.33
GROUP: C013111.ASC ,obs#: 301						
DXCT		103	42	20428.95790	0.002	0.182
				0.018	0.013	0.11
DYCT		103	42	-2099.38540	0.014	1.107
				0.018	0.013	0.68
DZCT		103	42	1594.21910	-0.006	-0.466
				0.018	0.013	0.28
GROUP: C013111.ASC ,obs#: 302						
DXCT		TXPR	42	10823.57830	-0.001	-0.028
				0.041	0.039	0.02
DYCT		TXPR	42	19924.25160	0.008	0.196
				0.041	0.040	0.16
DZCT		TXPR	42	42731.86640	-0.004	-0.111
				0.041	0.039	0.09
GROUP: C013111.ASC ,obs#: 303						
DXCT		102	43	2113.67060	-0.006	-0.367
				0.021	0.016	0.24
DYCT		102	43	10919.67320	-0.027	-1.678
				0.021	0.016	1.09
DZCT		102	43	22224.17890	0.012	0.744
				0.021	0.016	0.48
GROUP: C013111.ASC ,obs#: 304						
DXCT		103	43	20021.25220	0.004	0.369
				0.018	0.011	0.20
DYCT		103	43	-346.79890	0.019	1.680
				0.018	0.011	0.91

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		103	43	4945.14510	-0.008	-0.748
				0.018	0.011	0.40
GROUP: C013111.ASC ,obs#: 305						
DXCT		102	44	3097.47590	-0.007	-0.344
				0.025	0.020	0.23
DYCT		102	44	12631.08410	-0.019	-0.958
				0.025	0.020	0.66
DZCT		102	44	25869.80210	0.021	1.036
				0.025	0.020	0.71
GROUP: C013111.ASC ,obs#: 306						
DXCT		103	44	21005.05660	0.004	0.322
				0.019	0.013	0.18
DYCT		103	44	1364.63280	0.006	0.473
				0.019	0.013	0.27
DZCT		103	44	8590.77880	-0.010	-0.804
				0.019	0.013	0.45
GROUP: C013111.ASC ,obs#: 307						
DXCT		TXPR	44	11399.67690	0.001	0.018
				0.048	0.045	0.01
DYCT		TXPR	44	23388.23450	0.035	0.769
				0.048	0.046	0.62
DZCT		TXPR	44	49728.43250	-0.015	-0.333
				0.048	0.046	0.27
GROUP: C013111.ASC ,obs#: 308						
DXCT		102	45	3791.21880	-0.004	-0.180
				0.027	0.022	0.12
DYCT		102	45	14000.93460	-0.005	-0.217
				0.027	0.022	0.15
DZCT		102	45	28754.76720	0.004	0.176
				0.027	0.022	0.12
GROUP: C013111.ASC ,obs#: 309						
DXCT		103	45	21698.80510	0.001	0.093
				0.021	0.014	0.05
DYCT		103	45	2734.50570	-0.002	-0.160
				0.021	0.014	0.09
DZCT		103	45	11475.71680	0.000	0.019
				0.021	0.014	0.01
GROUP: C013111.ASC ,obs#: 310						
DXCT		TXPR	45	12093.41710	0.006	0.131
				0.051	0.048	0.11
DYCT		TXPR	45	24758.10510	0.029	0.606
				0.051	0.048	0.49
DZCT		TXPR	45	52613.38060	-0.015	-0.308
				0.051	0.048	0.25
GROUP: C013111.ASC ,obs#: 311						
DXCT		102	46	4642.98030	-0.006	-0.240
				0.031	0.025	0.17
DYCT		102	46	15634.75900	-0.070	-2.645
				0.032	0.027	1.95
DZCT		102	46	32191.78290	0.007	0.270
				0.031	0.025	0.19
GROUP: C013111.ASC ,obs#: 312						

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		103	46	22550.56570	0.000	0.011
				0.023	0.015	0.01
DYCT		103	46	4368.22190	0.041	2.684
				0.024	0.015	1.48
DZCT		103	46	14912.73930	-0.004	-0.241
				0.023	0.015	0.13
GROUP: C013111.ASC ,obs#: 313						
DXCT		TXPR	46	12945.16510	0.018	0.350
				0.054	0.051	0.28
DYCT		TXPR	46	26391.90920	-0.016	-0.313
				0.054	0.051	0.25
DZCT		TXPR	46	56050.38320	0.001	0.024
				0.054	0.051	0.02
GROUP: C020111.ASC ,obs#: 314						
DXCT		TXPR	102	8302.20700	0.002	0.069
				0.023	0.023	0.06
DYCT		TXPR	102	10757.18690	0.018	0.753
				0.023	0.023	0.64
DZCT		TXPR	102	23858.59800	-0.003	-0.141
				0.023	0.023	0.12
GROUP: C020111.ASC ,obs#: 315						
DXCT		TXPR	47	1059.89480	-0.000	-0.207
				0.002	0.000	0.02
DYCT		TXPR	47	1010.78270	-0.000	-0.349
				0.002	0.000	0.04
DZCT		TXPR	47	2319.10530	-0.000	-0.017
				0.002	0.000	0.00
GROUP: C020111.ASC ,obs#: 316						
DXCT		102	47	-7242.31810	0.004	0.204
				0.021	0.021	0.17
DYCT		102	47	-9746.42920	0.007	0.350
				0.021	0.021	0.30
DZCT		102	47	-21539.49030	0.001	0.042
				0.021	0.021	0.04
GROUP: C020111.ASC ,obs#: 317						
DXCT		TXPR	48	-343.02270	-0.000	-0.100
				0.003	0.000	0.01
DYCT		TXPR	48	1579.93460	-0.000	-0.597
				0.003	0.000	0.08
DZCT		TXPR	48	3058.60750	0.000	0.074
				0.003	0.000	0.01
GROUP: C020111.ASC ,obs#: 318						
DXCT		102	48	-8645.23330	0.002	0.096
				0.021	0.020	0.08
DYCT		102	48	-9177.28240	0.012	0.595
				0.021	0.021	0.50
DZCT		102	48	-20799.98590	-0.001	-0.063
				0.021	0.020	0.05
GROUP: C020111.ASC ,obs#: 319						
DXCT		TXPR	48B	-329.71040	0.000	0.096
				0.003	0.000	0.01
DYCT		TXPR	48B	1581.81730	-0.001	-1.553

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.003	0.000	0.21
DZCT		TXPR	48B	3066.39820	0.000	0.445
				0.003	0.000	0.05
GROUP: C020111.ASC ,obs#: 320						
DXCT		102	48B	-8631.91650	-0.002	-0.121
				0.021	0.020	0.10
DYCT		102	48B	-9175.41990	0.032	1.544
				0.021	0.021	1.32
DZCT		102	48B	-20792.18840	-0.008	-0.389
				0.021	0.020	0.33
GROUP: C020111.ASC ,obs#: 321						
DXCT		TXPR	49	-689.88210	-0.000	-0.350
				0.005	0.001	0.07
DYCT		TXPR	49	2511.90970	-0.001	-0.785
				0.005	0.001	0.16
DZCT		TXPR	49	4828.89730	0.000	0.226
				0.005	0.001	0.05
GROUP: C020111.ASC ,obs#: 322						
DXCT		102	49	-8992.09750	0.006	0.346
				0.019	0.019	0.28
DYCT		102	49	-8245.31030	0.015	0.782
				0.019	0.019	0.65
DZCT		102	49	-19029.69310	-0.004	-0.219
				0.019	0.019	0.18
GROUP: C020111.ASC ,obs#: 323						
DXCT		TXPR	49B	-707.61850	-0.000	-0.110
				0.005	0.001	0.02
DYCT		TXPR	49B	2515.66550	-0.001	-0.719
				0.005	0.001	0.15
DZCT		TXPR	49B	4831.25660	0.000	0.240
				0.005	0.001	0.05
GROUP: C020111.ASC ,obs#: 324						
DXCT		102	49B	-9009.82920	0.002	0.106
				0.019	0.019	0.09
DYCT		102	49B	-8241.55320	0.013	0.716
				0.019	0.019	0.59
DZCT		102	49B	-19027.33350	-0.004	-0.234
				0.019	0.019	0.19
GROUP: C020111.ASC ,obs#: 325						
DXCT		TXPR	50	-704.62910	-0.000	-0.102
				0.006	0.002	0.03
DYCT		TXPR	50	3316.04990	-0.000	-0.234
				0.006	0.002	0.07
DZCT		TXPR	50	6437.32660	0.000	0.004
				0.006	0.002	0.00
GROUP: C020111.ASC ,obs#: 326						
DXCT		102	50	-9006.83960	0.002	0.101
				0.018	0.017	0.08
DYCT		102	50	-7441.15900	0.004	0.234
				0.018	0.017	0.19
DZCT		102	50	-17421.26810	-0.000	-0.000
				0.018	0.017	0.00

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: C020111.ASC ,obs#: 327						
DXCT		TXPR	51	-52.52030	0.002	0.532
				0.009	0.004	0.22
DYCT		TXPR	51	4491.24100	0.001	0.201
				0.009	0.004	0.08
DZCT		TXPR	51	8974.27500	0.001	0.360
				0.009	0.004	0.15
GROUP: C020111.ASC ,obs#: 328						
DXCT		102	51	-8354.71960	-0.007	-0.532
				0.016	0.013	0.39
DYCT		102	51	-6265.95990	-0.003	-0.201
				0.016	0.014	0.15
DZCT		102	51	-14884.31340	-0.005	-0.359
				0.016	0.013	0.27
GROUP: C020111.ASC ,obs#: 329						
DXCT		TXPR	52	377.96880	-0.002	-0.266
				0.011	0.006	0.14
DYCT		TXPR	52	5496.59580	0.007	1.155
				0.011	0.006	0.60
DZCT		TXPR	52	11108.53890	0.001	0.138
				0.011	0.006	0.07
GROUP: C020111.ASC ,obs#: 330						
DXCT		102	52	-7924.24430	0.003	0.264
				0.014	0.011	0.18
DYCT		102	52	-5260.58870	-0.012	-1.154
				0.014	0.011	0.78
DZCT		102	52	-12750.05350	-0.001	-0.135
				0.014	0.011	0.09
GROUP: C020111.ASC ,obs#: 331						
DXCT		102	53	-7366.22580	-0.010	-1.218
				0.012	0.008	0.72
DYCT		102	53	-4508.14810	-0.018	-2.125
				0.012	0.008	1.27
DZCT		102	53	-11087.59440	-0.012	-1.477
				0.012	0.008	0.87
GROUP: C020111.ASC ,obs#: 332						
DXCT		TXPR	53	935.96230	0.010	1.219
				0.012	0.009	0.73
DYCT		TXPR	53	6249.02010	0.018	2.125
				0.012	0.009	1.29
DZCT		TXPR	53	12770.97540	0.013	1.475
				0.012	0.009	0.89
GROUP: C020111.ASC ,obs#: 333						
DXCT		TXPR	54	-4463.46030	0.001	0.149
				0.013	0.009	0.09
DYCT		TXPR	54	7290.58650	0.005	0.574
				0.014	0.009	0.34
DZCT		TXPR	54	13316.87660	-0.003	-0.341
				0.014	0.009	0.20
GROUP: C020111.ASC ,obs#: 334						
DXCT		102	54	-12765.66600	-0.002	-0.148
				0.014	0.010	0.09

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		102	54	-3466.60660	-0.006	-0.572
				0.015	0.011	0.36
DZCT		102	54	-10541.72480	0.004	0.339
				0.014	0.010	0.21
GROUP: C020211.ASC ,obs#: 335						
DXCT		TXPR	102	8302.20600	0.003	0.112
				0.023	0.023	0.09
DYCT		TXPR	102	10757.19710	0.007	0.316
				0.023	0.023	0.27
DZCT		TXPR	102	23858.58540	0.009	0.401
				0.023	0.023	0.34
GROUP: C020211.ASC ,obs#: 336						
DXCT		TXPR	57	4935.90090	-0.000	-0.006
				0.016	0.014	0.00
DYCT		TXPR	57	7425.14210	-0.004	-0.253
				0.016	0.014	0.20
DZCT		TXPR	57	16264.10620	0.016	1.096
				0.016	0.014	0.84
GROUP: C020211.ASC ,obs#: 337						
DXCT		102	57	-3366.30780	0.000	0.004
				0.008	0.003	0.00
DYCT		102	57	-3332.06680	0.001	0.247
				0.008	0.003	0.09
DZCT		102	57	-7594.46940	-0.004	-1.095
				0.008	0.003	0.40
GROUP: C020211.ASC ,obs#: 338						
DXCT		102	58	-3101.46120	-0.005	-1.024
				0.009	0.005	0.45
DYCT		102	58	-4087.18190	0.002	0.504
				0.009	0.005	0.22
DZCT		102	58	-9024.26910	-0.003	-0.721
				0.009	0.005	0.32
GROUP: C020211.ASC ,obs#: 339						
DXCT		TXPR	58	5200.73020	0.013	1.023
				0.015	0.012	0.74
DYCT		TXPR	58	6670.03130	-0.006	-0.507
				0.015	0.013	0.38
DZCT		TXPR	58	14834.31340	0.009	0.724
				0.015	0.012	0.52
GROUP: C020211.ASC ,obs#: 340						
DXCT		TXPR	59	9666.72450	-0.006	-0.537
				0.014	0.010	0.35
DYCT		TXPR	59	4598.58030	-0.025	-2.205
				0.014	0.011	1.54
DZCT		TXPR	59	11961.69810	0.003	0.273
				0.014	0.010	0.18
GROUP: C020211.ASC ,obs#: 341						
DXCT		102	59	1364.50660	0.004	0.510
				0.011	0.007	0.28
DYCT		102	59	-6158.66470	0.016	2.194
				0.012	0.007	1.17
DZCT		102	59	-11896.89220	-0.002	-0.213

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.011	0.007	0.12
GROUP: C020211.ASC ,obs#: 342						
DXCT		TXPR	60	9186.78140	-0.000	-0.017
				0.012	0.008	0.01
DYCT		TXPR	60	3525.93320	-0.001	-0.097
				0.012	0.008	0.05
DZCT		TXPR	60	9679.41330	-0.001	-0.190
				0.012	0.008	0.11
GROUP: C020211.ASC ,obs#: 343						
DXCT		102	60	884.57250	0.000	0.017
				0.014	0.010	0.01
DYCT		102	60	-7231.27300	0.001	0.096
				0.014	0.010	0.06
DZCT		102	60	-14179.18480	0.002	0.190
				0.014	0.010	0.12
GROUP: C020211.ASC ,obs#: 344						
DXCT		TXPR	61	9142.66160	0.000	0.108
				0.009	0.004	0.04
DYCT		TXPR	61	1583.06490	0.002	0.471
				0.009	0.004	0.19
DZCT		TXPR	61	5777.95500	0.000	0.078
				0.009	0.004	0.03
GROUP: C020211.ASC ,obs#: 345						
DXCT		102	61	840.45510	-0.002	-0.108
				0.017	0.015	0.08
DYCT		102	61	-9174.13030	-0.007	-0.471
				0.017	0.015	0.35
DZCT		102	61	-18080.63820	-0.001	-0.077
				0.017	0.015	0.06
GROUP: C020211.ASC ,obs#: 346						
DXCT		TXPR	62	13086.03140	0.001	0.128
				0.014	0.009	0.07
DYCT		TXPR	62	2452.65900	-0.002	-0.243
				0.014	0.009	0.14
DZCT		TXPR	62	8633.05750	0.009	0.992
				0.014	0.009	0.56
GROUP: C020211.ASC ,obs#: 347						
DXCT		102	62	4783.82540	-0.001	-0.129
				0.015	0.011	0.08
DYCT		102	62	-8304.55040	0.003	0.236
				0.015	0.012	0.15
DZCT		102	62	-15225.51700	-0.011	-0.991
				0.015	0.011	0.63
GROUP: C020211.ASC ,obs#: 348						
DXCT		TXPR	63	4954.10570	-0.007	-1.810
				0.008	0.004	0.70
DYCT		TXPR	63	3036.98310	-0.003	-0.901
				0.008	0.004	0.35
DZCT		TXPR	63	7498.35680	-0.004	-1.150
				0.008	0.004	0.44
GROUP: C020211.ASC ,obs#: 349						
DXCT		102	63	-3348.13450	0.025	1.811

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION / STD DEV	RESIDUAL / STD DEV	STD RES / PPM
				0.016	0.014	1.36
DYCT		102	63	-7720.23750	0.013	0.902
				0.016	0.014	0.69
DZCT		102	63	-16360.25800	0.016	1.148
				0.016	0.014	0.86
GROUP: C020211.ASC ,obs#: 350						
DXCT		TXPR	64	4268.00140	-0.001	-0.424
				0.007	0.003	0.14
DYCT		TXPR	64	2677.38970	0.001	0.482
				0.007	0.003	0.16
DZCT		TXPR	64	6582.09730	-0.003	-1.129
				0.007	0.003	0.37
GROUP: C020211.ASC ,obs#: 351						
DXCT		102	64	-4034.21480	0.006	0.426
				0.017	0.015	0.33
DYCT		102	64	-8079.80610	-0.007	-0.479
				0.017	0.015	0.38
DZCT		102	64	-17276.51760	0.017	1.128
				0.017	0.015	0.88
GROUP: C020211.ASC ,obs#: 352						
DXCT		TXPR	65	8614.66880	-0.000	-0.017
				0.023	0.023	0.01
DYCT		TXPR	65	10695.88980	0.021	0.894
				0.023	0.023	0.76
DZCT		TXPR	65	23819.79510	-0.007	-0.287
				0.023	0.023	0.24
GROUP: C020211.ASC ,obs#: 353						
DXCT		102	65	312.45980	-0.000	0.000*
				0.000	0.000	0.00
DYCT		102	65	-61.29370	-0.000	0.000*
				0.001	0.000	0.04
DZCT		102	65	-38.80630	0.000	0.000*
				0.000	0.000	0.02
GROUP: C020311.ASC ,obs#: 354						
DXCT		TXPR	102	8302.20580	0.003	0.121
				0.023	0.023	0.10
DYCT		TXPR	102	10757.18440	0.020	0.859
				0.023	0.023	0.73
DZCT		TXPR	102	23858.60090	-0.006	-0.266
				0.023	0.023	0.23
GROUP: C020311.ASC ,obs#: 355						
DXCT		102	66	-12708.18580	-0.005	-0.237
				0.021	0.020	0.19
DYCT		102	66	-8033.43160	0.026	1.252
				0.021	0.020	1.03
DZCT		102	66	-19674.04880	-0.003	-0.172
				0.021	0.020	0.14
GROUP: C020311.ASC ,obs#: 356						
DXCT		TXPR	66	-4405.98230	0.000	0.218
				0.006	0.001	0.05
DYCT		TXPR	66	2723.80060	-0.002	-1.253
				0.006	0.002	0.32

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		TXPR	66	4184.54210	0.000	0.219
				0.006	0.001	0.05
GROUP: C020311.ASC ,obs#: 357						
DXCT		102	67	-12663.54240	-0.007	-0.360
				0.021	0.020	0.29
DYCT		102	67	-7815.30940	0.010	0.494
				0.021	0.020	0.41
DZCT		102	67	-19224.45840	0.014	0.713
				0.021	0.020	0.58
GROUP: C020311.ASC ,obs#: 358						
DXCT		TXPR	67	-4361.34150	0.001	0.356
				0.006	0.002	0.08
DYCT		TXPR	67	2941.90580	-0.001	-0.465
				0.006	0.002	0.12
DZCT		TXPR	67	4634.15160	-0.001	-0.698
				0.006	0.002	0.17
GROUP: C020311.ASC ,obs#: 359						
DXCT		102	68	-12180.27580	-0.003	-0.157
				0.019	0.018	0.12
DYCT		102	68	-7107.36060	-0.009	-0.502
				0.019	0.018	0.40
DZCT		102	68	-17668.14110	0.019	1.066
				0.019	0.018	0.85
GROUP: C020311.ASC ,obs#: 360						
DXCT		TXPR	68	-3878.07040	0.000	0.166
				0.007	0.002	0.05
DYCT		TXPR	68	3649.83350	0.001	0.520
				0.007	0.002	0.16
DZCT		TXPR	68	6190.47540	-0.003	-1.075
				0.007	0.002	0.32
GROUP: C020311.ASC ,obs#: 361						
DXCT		102	69	-12571.44010	0.001	0.084
				0.018	0.016	0.06
DYCT		102	69	-6063.18330	0.006	0.375
				0.018	0.016	0.29
DZCT		102	69	-15689.38470	-0.015	-0.961
				0.018	0.016	0.73
GROUP: C020311.ASC ,obs#: 362						
DXCT		TXPR	69	-4269.22980	-0.000	-0.093
				0.009	0.004	0.03
DYCT		TXPR	69	4694.02880	-0.002	-0.401
				0.009	0.004	0.16
DZCT		TXPR	69	8169.19080	0.004	0.971
				0.009	0.004	0.37
GROUP: C020311.ASC ,obs#: 363						
DXCT		102	70	-11144.29630	0.000	0.038
				0.016	0.013	0.03
DYCT		102	70	-5297.06430	-0.006	-0.476
				0.016	0.013	0.34
DZCT		102	70	-13747.49840	0.005	0.354
				0.016	0.013	0.25
GROUP: C020311.ASC ,obs#: 364						

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		TXPR	70	-2842.08700	-0.000	-0.037
				0.010	0.005	0.02
DYCT		TXPR	70	5460.13120	0.003	0.478
				0.010	0.006	0.23
DZCT		TXPR	70	10111.10290	-0.002	-0.357
				0.010	0.005	0.16
GROUP: C020311.ASC ,obs#: 365						
DXCT		102	71	-10400.15180	0.008	0.561
				0.017	0.015	0.42
DYCT		102	71	-6194.52170	0.016	1.070
				0.017	0.015	0.81
DZCT		102	71	-15328.61610	0.009	0.639
				0.017	0.015	0.48
GROUP: C020311.ASC ,obs#: 366						
DXCT		TXPR	71	-2097.93280	-0.002	-0.570
				0.008	0.004	0.22
DYCT		TXPR	71	4562.70290	-0.004	-1.069
				0.009	0.004	0.43
DZCT		TXPR	71	8529.99040	-0.002	-0.628
				0.008	0.004	0.24
GROUP: C020411.ASC ,obs#: 367						
DXCT		TXPR	102	8302.20650	0.002	0.091
				0.023	0.023	0.08
DYCT		TXPR	102	10757.17900	0.025	1.090
				0.023	0.023	0.93
DZCT		TXPR	102	23858.60450	-0.010	-0.421
				0.023	0.023	0.36
GROUP: C020411.ASC ,obs#: 368						
DXCT		102	72	-3638.86610	-0.000	-0.005
				0.008	0.003	0.00
DYCT		102	72	-3278.71510	-0.011	-3.205
				0.008	0.003	1.18
DZCT		102	72	-7565.48830	0.008	2.314
				0.008	0.003	0.85
GROUP: C020411.ASC ,obs#: 369						
DXCT		TXPR	72	4663.34160	0.001	0.063
				0.016	0.014	0.05
DYCT		TXPR	72	7478.43040	0.048	3.280
				0.016	0.015	2.61
DZCT		TXPR	72	16293.14930	-0.035	-2.420
				0.016	0.015	1.90
GROUP: C020411.ASC ,obs#: 370						
DXCT		102	73	-4263.92110	-0.003	-0.412
				0.011	0.007	0.23
DYCT		102	73	-5027.25040	0.005	0.670
				0.011	0.007	0.38
DZCT		102	73	-11234.49750	-0.005	-0.707
				0.011	0.007	0.40
GROUP: C020411.ASC ,obs#: 371						
DXCT		TXPR	73	4038.28080	0.004	0.408
				0.012	0.009	0.26
DYCT		TXPR	73	5729.96530	-0.006	-0.677

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.012	0.009	0.44
DZCT		TXPR	73	12624.08550	0.007	0.714
				0.012	0.009	0.45
GROUP: C020411.ASC ,obs#: 372						
DXCT		TXPR	74	3232.29270	-0.004	-0.665
				0.010	0.006	0.33
DYCT		TXPR	74	4670.82850	0.002	0.320
				0.010	0.006	0.16
DZCT		TXPR	74	10278.25640	-0.003	-0.546
				0.010	0.006	0.28
GROUP: C020411.ASC ,obs#: 373						
DXCT		102	74	-5069.92690	0.007	0.665
				0.013	0.011	0.45
DYCT		102	74	-6086.37050	-0.004	-0.321
				0.014	0.011	0.22
DZCT		102	74	-13580.34740	0.006	0.547
				0.013	0.011	0.37
GROUP: C020411.ASC ,obs#: 374						
DXCT		TXPR	75	2419.53120	-0.001	-0.249
				0.009	0.005	0.11
DYCT		TXPR	75	4341.39120	0.000	0.010
				0.009	0.005	0.00
DZCT		TXPR	75	9383.35380	-0.002	-0.409
				0.009	0.005	0.18
GROUP: C020411.ASC ,obs#: 375						
DXCT		102	75	-5882.68160	0.003	0.250
				0.014	0.012	0.18
DYCT		102	75	-6415.81310	-0.000	-0.009
				0.015	0.012	0.01
DZCT		102	75	-14475.24780	0.005	0.409
				0.014	0.012	0.29
GROUP: C020411.ASC ,obs#: 376						
DXCT		102	76	-10805.16170	-0.002	-0.110
				0.018	0.017	0.09
DYCT		102	76	-6958.05710	0.021	1.243
				0.018	0.017	0.98
DZCT		102	76	-16974.07730	0.008	0.478
				0.018	0.017	0.38
GROUP: C020411.ASC ,obs#: 377						
DXCT		TXPR	76	-2502.95520	0.000	0.103
				0.007	0.003	0.03
DYCT		TXPR	76	3799.17160	-0.003	-1.234
				0.007	0.003	0.40
DZCT		TXPR	76	6884.52660	-0.001	-0.458
				0.007	0.003	0.14
GROUP: C020411.ASC ,obs#: 378						
DXCT		102	77	-11317.53410	-0.007	-0.423
				0.019	0.017	0.33
DYCT		102	77	-7036.99790	0.018	1.015
				0.019	0.017	0.81
DZCT		102	77	-17280.17580	0.003	0.164
				0.019	0.017	0.13

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: C020411.ASC ,obs#: 379						
DXCT		TXPR	77	-3015.33380	0.001	0.416
				0.007	0.002	0.12
DYCT		TXPR	77	3720.22680	-0.003	-1.007
				0.007	0.003	0.31
DZCT		TXPR	77	6578.42210	-0.000	-0.140
				0.007	0.002	0.04
GROUP: C020511.ASC ,obs#: 380						
DXCT		TXPR	102	8302.20820	0.000	0.017
				0.023	0.023	0.01
DYCT		TXPR	102	10757.20530	-0.001	-0.036
				0.023	0.023	0.03
DZCT		TXPR	102	23858.58670	0.008	0.345
				0.023	0.023	0.29
GROUP: C020511.ASC ,obs#: 381						
DXCT		102	78	-12977.78390	0.001	0.089
				0.014	0.010	0.05
DYCT		102	78	-3037.49720	-0.000	-0.040
				0.016	0.010	0.02
DZCT		102	78	-9741.78890	-0.009	-0.901
				0.015	0.010	0.55
GROUP: C020511.ASC ,obs#: 382						
DXCT		TXPR	78	-4675.57300	-0.001	-0.134
				0.015	0.011	0.08
DYCT		TXPR	78	7719.70790	-0.001	-0.077
				0.018	0.014	0.06
DZCT		TXPR	78	14116.78640	0.010	0.880
				0.016	0.012	0.62
GROUP: C020511.ASC ,obs#: 383						
DXCT		102	79	-25504.05190	-0.003	-0.179
				0.024	0.019	0.12
DYCT		102	79	-2579.46730	-0.003	-0.139
				0.024	0.019	0.09
DZCT		102	79	-12432.16350	-0.003	-0.171
				0.024	0.019	0.11
GROUP: C020511.ASC ,obs#: 384						
DXCT		TXPR	79	-17201.84880	0.002	0.179
				0.019	0.012	0.09
DYCT		TXPR	79	8177.73290	0.002	0.133
				0.020	0.012	0.07
DZCT		TXPR	79	11426.42600	0.002	0.163
				0.019	0.012	0.09
GROUP: C020511.ASC ,obs#: 385						
DXCT		102	80	-33027.27390	0.002	0.084
				0.030	0.022	0.05
DYCT		102	80	-613.81480	0.010	0.427
				0.030	0.022	0.28
DZCT		102	80	-10706.23990	-0.006	-0.252
				0.030	0.022	0.16
GROUP: C020511.ASC ,obs#: 386						
DXCT		TXPR	80	-24725.06200	-0.001	-0.085
				0.025	0.017	0.05

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		TXPR	80	10143.40640	-0.007	-0.428
				0.026	0.017	0.24
DZCT		TXPR	80	13152.34500	0.004	0.253
				0.025	0.017	0.14
GROUP: C021011.ASC ,obs#: 387						
DXCT		1001	1002	1384.95450	0.008	0.492
				0.017	0.017	0.42
DYCT		1001	1002	8677.02960	0.004	0.217
				0.017	0.017	0.18
DZCT		1001	1002	17702.89290	0.014	0.823
				0.017	0.017	0.70
GROUP: C021011.ASC ,obs#: 388						
DXCT		1001	263	737.07650	0.021	1.240
				0.017	0.017	1.05
DYCT		1001	263	8896.61300	0.039	2.271
				0.017	0.017	1.94
DZCT		1001	263	17963.45410	-0.015	-0.847
				0.017	0.017	0.72
GROUP: C021011.ASC ,obs#: 389						
DXCT		1002	263	-647.86510	-0.000	0.000*
				0.001	0.000	0.07
DYCT		1002	263	219.61880	-0.000	0.000*
				0.001	0.000	0.20
DZCT		1002	263	260.53280	0.000	0.000*
				0.001	0.000	0.14
GROUP: C021011.ASC ,obs#: 390						
DXCT		1001	264	706.21360	0.009	0.483
				0.020	0.019	0.41
DYCT		1001	264	10317.32040	0.023	1.174
				0.020	0.020	0.99
DZCT		1001	264	20782.94440	0.001	0.035
				0.020	0.020	0.03
GROUP: C021011.ASC ,obs#: 391						
DXCT		1002	264	-678.73950	-0.000	-0.486
				0.003	0.000	0.06
DYCT		1002	264	1640.31070	-0.001	-1.175
				0.003	0.000	0.16
DZCT		1002	264	3080.03840	-0.000	-0.023
				0.003	0.000	0.00
GROUP: C021011.ASC ,obs#: 392						
DXCT		1001	265	-1981.78470	0.003	0.163
				0.020	0.020	0.14
DYCT		1001	265	10747.51170	0.001	0.036
				0.020	0.020	0.03
DZCT		1001	265	20906.68110	0.019	0.965
				0.020	0.020	0.80
GROUP: C021011.ASC ,obs#: 393						
DXCT		1002	265	-3366.74410	-0.000	-0.163
				0.004	0.001	0.03
DYCT		1002	265	2070.47920	-0.000	-0.033
				0.004	0.001	0.01
DZCT		1002	265	3203.79420	-0.001	-0.965

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION / STD DEV	RESIDUAL / STD DEV	STD RES / PPM
				0.004	0.001	0.17
GROUP: C021011.ASC ,obs#: 394						
DXCT		1001	266	-2476.39830	0.005	0.466
				0.013	0.011	0.36
DYCT		1001	266	6776.05630	-0.018	-1.604
				0.013	0.011	1.25
DZCT		1001	266	12869.47560	0.016	1.370
				0.013	0.011	1.06
GROUP: C021011.ASC ,obs#: 395						
DXCT		1002	266	-3861.35470	-0.001	-0.463
				0.006	0.002	0.16
DYCT		1002	266	-1900.99890	0.004	1.606
				0.006	0.002	0.55
DZCT		1002	266	-4833.41240	-0.003	-1.373
				0.006	0.002	0.47
GROUP: C021011.ASC ,obs#: 396						
DXCT		1001	267	-5720.88980	0.002	0.242
				0.012	0.010	0.17
DYCT		1001	267	6473.53000	-0.004	-0.440
				0.012	0.010	0.31
DZCT		1001	267	11379.38050	0.010	0.953
				0.012	0.010	0.67
GROUP: C021011.ASC ,obs#: 397						
DXCT		1002	267	-7105.84900	-0.001	-0.242
				0.008	0.005	0.12
DYCT		1002	267	-2203.50970	0.002	0.441
				0.008	0.005	0.21
DZCT		1002	267	-6323.51220	-0.004	-0.953
				0.008	0.005	0.46
GROUP: C021011.ASC ,obs#: 398						
DXCT		1001	268	-5578.10740	0.005	0.412
				0.015	0.013	0.32
DYCT		1001	268	7903.14140	-0.010	-0.713
				0.015	0.014	0.56
DZCT		1001	268	14268.80560	0.028	2.043
				0.015	0.013	1.60
GROUP: C021011.ASC ,obs#: 399						
DXCT		1002	268	-6963.06350	-0.001	-0.420
				0.007	0.003	0.15
DYCT		1002	268	-773.90340	0.002	0.691
				0.007	0.003	0.24
DZCT		1002	268	-3434.06800	-0.006	-2.037
				0.007	0.003	0.71
GROUP: C021011.ASC ,obs#: 400						
DXCT		1001	269	-5418.05350	0.012	0.737
				0.017	0.016	0.59
DYCT		1001	269	9368.98980	0.012	0.749
				0.017	0.016	0.61
DZCT		1001	269	17230.74340	0.011	0.646
				0.017	0.016	0.52
GROUP: C021011.ASC ,obs#: 401						
DXCT		1002	269	-6803.00280	-0.001	-0.738

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.006	0.002	0.20
DYCT		1002	269	691.97030	-0.001	-0.749
				0.006	0.002	0.20
DZCT		1002	269	-472.15150	-0.001	-0.646
				0.006	0.002	0.18
GROUP: C021011.ASC ,obs#: 402						
DXCT		1001	270	-5227.02540	0.005	0.266
				0.020	0.019	0.22
DYCT		1001	270	10599.18510	0.033	1.740
				0.020	0.019	1.43
DZCT		1001	270	19730.20150	0.004	0.195
				0.020	0.019	0.16
GROUP: C021011.ASC ,obs#: 403						
DXCT		1002	270	-6611.98270	-0.000	-0.267
				0.006	0.002	0.07
DYCT		1002	270	1922.18790	-0.003	-1.740
				0.006	0.002	0.45
DZCT		1002	270	2027.29880	-0.000	-0.192
				0.006	0.002	0.05
GROUP: C021111.ASC ,obs#: 404						
DXCT		1001	1002	1384.95450	0.008	0.492
				0.017	0.017	0.42
DYCT		1001	1002	8677.03660	-0.003	-0.201
				0.017	0.017	0.17
DZCT		1001	1002	17702.88670	0.020	1.193
				0.017	0.017	1.01
GROUP: C021111.ASC ,obs#: 405						
DXCT		1002	271	5255.63640	-0.000	-0.230
				0.005	0.001	0.05
DYCT		1002	271	-924.12810	-0.001	-1.066
				0.005	0.001	0.24
DZCT		1002	271	-419.54300	-0.000	-0.282
				0.005	0.001	0.06
GROUP: C021111.ASC ,obs#: 406						
DXCT		1001	271	6640.59510	0.004	0.229
				0.017	0.016	0.19
DYCT		1001	271	7752.88620	0.018	1.066
				0.017	0.017	0.88
DZCT		1001	271	17283.35870	0.005	0.283
				0.017	0.016	0.23
GROUP: C021111.ASC ,obs#: 407						
DXCT		1002	272	8612.05940	-0.003	-0.726
				0.008	0.004	0.29
DYCT		1002	272	-2980.96070	-0.004	-1.068
				0.008	0.004	0.43
DZCT		1002	272	-3616.10580	-0.003	-0.834
				0.008	0.004	0.34
GROUP: C021111.ASC ,obs#: 408						
DXCT		1001	272	9997.00940	0.010	0.726
				0.016	0.014	0.54
DYCT		1001	272	5696.05370	0.015	1.059
				0.016	0.014	0.80

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		1001	272	14086.78630	0.011	0.820
				0.016	0.014	0.62
GROUP: C021111.ASC ,obs#: 409						
DXCT		1002	273	8300.53460	-0.003	-0.480
				0.010	0.006	0.25
DYCT		1002	273	-4465.66190	-0.007	-1.164
				0.010	0.006	0.59
DZCT		1002	273	-6660.79510	-0.004	-0.663
				0.010	0.006	0.34
GROUP: C021111.ASC ,obs#: 410						
DXCT		1001	273	9685.48950	0.005	0.482
				0.013	0.010	0.33
DYCT		1001	273	4211.35230	0.012	1.141
				0.013	0.011	0.80
DZCT		1001	273	11042.10110	0.007	0.607
				0.014	0.011	0.43
GROUP: C021111.ASC ,obs#: 411						
DXCT		1002	274	6604.70660	-0.002	-0.294
				0.010	0.007	0.17
DYCT		1002	274	-5104.56900	0.007	1.043
				0.010	0.007	0.60
DZCT		1002	274	-8392.20130	-0.010	-1.473
				0.010	0.007	0.85
GROUP: C021111.ASC ,obs#: 412						
DXCT		1001	274	7989.66500	0.002	0.294
				0.011	0.008	0.18
DYCT		1001	274	3572.47970	-0.008	-1.044
				0.011	0.008	0.65
DZCT		1001	274	9310.68360	0.012	1.473
				0.011	0.008	0.92
GROUP: C021111.ASC ,obs#: 413						
DXCT		1002	275	6412.01170	-0.005	-0.539
				0.012	0.010	0.37
DYCT		1002	275	-6534.30200	0.012	1.169
				0.013	0.010	0.82
DZCT		1002	275	-11300.05110	-0.007	-0.725
				0.012	0.010	0.50
GROUP: C021111.ASC ,obs#: 414						
DXCT		1001	275	7796.96630	0.003	0.538
				0.009	0.005	0.26
DYCT		1001	275	2142.74910	-0.006	-1.170
				0.009	0.005	0.58
DZCT		1001	275	6402.84460	0.004	0.728
				0.009	0.005	0.36
GROUP: C021111.ASC ,obs#: 415						
DXCT		1002	276	3206.59410	-0.005	-0.346
				0.014	0.013	0.28
DYCT		1002	276	-7607.72040	-0.005	-0.367
				0.015	0.014	0.30
DZCT		1002	276	-14313.70400	-0.012	-0.926
				0.014	0.013	0.74
GROUP: C021111.ASC ,obs#: 416						

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		1001	276	4591.55170	0.001	0.346
				0.005	0.002	0.10
DYCT		1001	276	1069.30720	0.001	0.369
				0.005	0.002	0.11
DZCT		1001	276	3389.18890	0.002	0.927
				0.005	0.002	0.26
GROUP: C021111.ASC ,obs#: 417						
DXCT		1002	277	317.19700	0.001	0.182
				0.009	0.007	0.12
DYCT		1002	277	-5000.65190	0.023	3.188
				0.010	0.007	2.12
DZCT		1002	277	-9881.04530	-0.005	-0.664
				0.009	0.007	0.44
GROUP: C021111.ASC ,obs#: 418						
DXCT		1001	277	1702.16200	-0.001	-0.198
				0.008	0.005	0.10
DYCT		1001	277	3676.42000	-0.015	-3.194
				0.008	0.005	1.73
DZCT		1001	277	7821.85330	0.003	0.692
				0.008	0.005	0.37
GROUP: C021111.ASC ,obs#: 419						
DXCT		1002	278	-2869.15320	-0.006	-0.784
				0.010	0.007	0.52
DYCT		1002	278	-4573.72970	0.003	0.375
				0.010	0.007	0.25
DZCT		1002	278	-9891.52640	0.008	1.090
				0.010	0.007	0.72
GROUP: C021111.ASC ,obs#: 420						
DXCT		1001	278	-1484.20000	0.004	0.785
				0.008	0.005	0.41
DYCT		1001	278	4103.30810	-0.002	-0.371
				0.008	0.005	0.20
DZCT		1001	278	7811.39360	-0.005	-1.090
				0.008	0.005	0.58
GROUP: C021111.ASC ,obs#: 421						
DXCT		1002	279	-10453.64170	-0.005	-0.499
				0.013	0.009	0.32
DYCT		1002	279	-3486.58200	0.003	0.278
				0.013	0.010	0.18
DZCT		1002	279	-9802.86770	-0.024	-2.563
				0.013	0.010	1.65
GROUP: C021111.ASC ,obs#: 422						
DXCT		1001	279	-9068.68730	0.004	0.497
				0.011	0.007	0.28
DYCT		1001	279	5190.45600	-0.002	-0.283
				0.011	0.008	0.16
DZCT		1001	279	7899.99540	0.019	2.563
				0.011	0.008	1.47
GROUP: C021111.ASC ,obs#: 423						
DXCT		1002	280	-10216.62570	-0.004	-0.693
				0.010	0.006	0.35
DYCT		1002	280	-1691.91520	-0.002	-0.247

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.010	0.006	0.13
DZCT		1002	280	-6156.78100	-0.004	-0.654
				0.010	0.006	0.33
GROUP: C021111.ASC ,obs#: 424						
DXCT		1001	280	-8831.67480	0.008	0.693
				0.014	0.011	0.47
DYCT		1001	280	6985.11380	0.003	0.245
				0.014	0.011	0.17
DZCT		1001	280	11546.11450	0.007	0.652
				0.014	0.011	0.45
GROUP: C021111.ASC ,obs#: 425						
DXCT		1002	281	-10053.50250	-0.000	-0.053
				0.009	0.004	0.02
DYCT		1002	281	-365.13490	0.005	1.104
				0.009	0.004	0.47
DZCT		1002	281	-3466.53200	-0.005	-1.116
				0.009	0.004	0.47
GROUP: C021111.ASC ,obs#: 426						
DXCT		1001	281	-8668.54070	0.001	0.051
				0.016	0.014	0.04
DYCT		1001	281	8311.91870	-0.015	-1.107
				0.016	0.014	0.83
DZCT		1001	281	14236.35430	0.015	1.119
				0.016	0.014	0.83
GROUP: C021111.ASC ,obs#: 427						
DXCT		1002	282	-1249.22310	-0.001	-1.226
				0.003	0.001	0.25
DYCT		1002	282	-1538.69820	-0.002	-2.150
				0.003	0.001	0.46
DZCT		1002	282	-3403.88050	-0.000	-0.033
				0.003	0.001	0.01
GROUP: C021111.ASC ,obs#: 428						
DXCT		1001	282	135.72260	0.016	1.219
				0.014	0.013	1.00
DYCT		1001	282	7138.30430	0.029	2.147
				0.014	0.013	1.81
DZCT		1001	282	14299.02560	0.001	0.043
				0.014	0.013	0.04
GROUP: C021111.ASC ,obs#: 429						
DXCT		1002	283	605.31330	-0.002	-0.990
				0.005	0.002	0.35
DYCT		1002	283	-2865.66760	0.004	1.701
				0.005	0.002	0.62
DZCT		1002	283	-5542.19360	-0.002	-1.001
				0.005	0.002	0.36
GROUP: C021111.ASC ,obs#: 430						
DXCT		1001	283	1990.26340	0.010	0.998
				0.012	0.010	0.77
DYCT		1001	283	5811.38730	-0.018	-1.695
				0.012	0.011	1.31
DZCT		1001	283	12160.70050	0.010	0.987
				0.012	0.010	0.76

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: C021111.ASC ,obs#: 431						
DXCT		1002	284	1211.72710	-0.000	-0.652
				0.002	0.000	0.08
DYCT		1002	284	-1093.77770	-0.000	-0.337
				0.002	0.000	0.05
DZCT		1002	284	-1850.17700	-0.000	-1.294
				0.002	0.000	0.17
GROUP: C021111.ASC ,obs#: 432						
DXCT		1001	284	2596.67970	0.010	0.667
				0.015	0.015	0.56
DYCT		1001	284	7583.24910	0.006	0.421
				0.015	0.015	0.36
DZCT		1001	284	15852.70920	0.020	1.341
				0.015	0.015	1.13
GROUP: C021111.ASC ,obs#: 433						
DXCT		1002	285	-1113.96190	-0.000	-0.812
				0.002	0.000	0.09
DYCT		1002	285	-794.73020	0.000	0.201
				0.002	0.000	0.03
DZCT		1002	285	-1883.89810	-0.000	-1.073
				0.002	0.000	0.12
GROUP: C021111.ASC ,obs#: 434						
DXCT		1001	285	270.98840	0.012	0.823
				0.015	0.015	0.69
DYCT		1001	285	7882.30560	-0.003	-0.167
				0.015	0.015	0.14
DZCT		1001	285	15818.99230	0.016	1.074
				0.015	0.015	0.91
GROUP: 052511.ASC ,obs#: 435						
DXCT		1001	1002	1384.95800	0.005	0.283
				0.017	0.017	0.24
DYCT		1001	1002	8677.03770	-0.004	-0.266
				0.017	0.017	0.23
DZCT		1001	1002	17702.89150	0.015	0.907
				0.017	0.017	0.77
GROUP: 052511.ASC ,obs#: 436						
DXCT		1001	286	1090.73060	0.001	0.056
				0.017	0.017	0.05
DYCT		1001	286	8684.34080	0.013	0.742
				0.017	0.017	0.64
DZCT		1001	286	17635.57770	0.007	0.421
				0.017	0.017	0.36
GROUP: 052511.ASC ,obs#: 437						
DXCT		1002	286	-294.23120	-0.000	0.000*
				0.000	0.000	0.01
DYCT		1002	286	7.32010	-0.000	0.000*
				0.001	0.000	0.06
DZCT		1002	286	-67.32190	0.000	0.000*
				0.001	0.000	0.02
GROUP: 052511.ASC ,obs#: 438						
DXCT		1001	287	525.95290	-0.001	-0.062
				0.017	0.017	0.05

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		1001	287	9016.08750	-0.014	-0.801
				0.017	0.017	0.68
DZCT		1001	287	18144.64150	0.031	1.773
				0.017	0.017	1.51
GROUP: 052511.ASC ,obs#: 439						
DXCT		1002	287	-859.01090	-0.000	0.000*
				0.001	0.000	0.01
DYCT		1002	287	339.04030	0.000	0.000*
				0.001	0.000	0.10
DZCT		1002	287	441.76550	-0.000	0.000*
				0.001	0.000	0.13
GROUP: 052511.ASC ,obs#: 440						
DXCT		1001	288	-602.86190	0.007	0.465
				0.015	0.015	0.39
DYCT		1001	288	8021.14430	0.035	2.301
				0.015	0.015	1.96
DZCT		1001	288	15858.50130	0.001	0.085
				0.015	0.015	0.07
GROUP: 052511.ASC ,obs#: 441						
DXCT		1002	288	-1987.81750	-0.000	-0.528
				0.002	0.000	0.07
DYCT		1002	288	-655.85300	-0.001	-2.292
				0.003	0.001	0.41
DZCT		1002	288	-1844.40420	0.000	0.168
				0.002	0.000	0.02
GROUP: 052511.ASC ,obs#: 442						
DXCT		1001	289	-1601.00060	0.002	0.148
				0.013	0.012	0.12
DYCT		1001	289	7018.67070	0.002	0.136
				0.013	0.013	0.11
DZCT		1001	289	13588.62150	0.002	0.166
				0.013	0.012	0.13
GROUP: 052511.ASC ,obs#: 443						
DXCT		1002	289	-2985.96130	-0.000	-0.149
				0.005	0.002	0.04
DYCT		1002	289	-1658.36060	-0.000	-0.134
				0.005	0.002	0.04
DZCT		1002	289	-4114.28290	-0.000	-0.163
				0.005	0.002	0.05
GROUP: 052511.ASC ,obs#: 444						
DXCT		1001	290	-1745.11410	-0.008	-0.832
				0.011	0.010	0.62
DYCT		1001	290	6145.17090	0.031	3.074
				0.012	0.010	2.33
DZCT		1001	290	11810.18610	-0.053	-5.244
				0.011	0.010	3.93
					^^^^^^^^^^^^^^^^	
GROUP: 052511.ASC ,obs#: 445						
DXCT		1002	290	-3130.08750	0.002	0.803
				0.006	0.003	0.32
DYCT		1002	290	-2531.82170	-0.009	-3.116
				0.006	0.003	1.30

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		1002	290	-5892.78840	0.015	5.271
				0.006	0.003	2.11
					^^^^^^^^^^^^^^^^	
GROUP: 052511.ASC ,obs#: 446						
DXCT		1001	291	-1980.39970	0.000	0.011
				0.010	0.008	0.01
DYCT		1001	291	5362.42300	0.009	1.153
				0.010	0.008	0.79
DZCT		1001	291	10185.76750	-0.028	-3.493
				0.010	0.008	2.36
GROUP: 052511.ASC ,obs#: 447						
DXCT		1002	291	-3365.36230	-0.000	-0.013
				0.008	0.005	0.01
DYCT		1002	291	-3314.59570	-0.005	-1.156
				0.008	0.005	0.60
DZCT		1002	291	-7517.18280	0.016	3.494
				0.008	0.005	1.80
GROUP: 052511.ASC ,obs#: 448						
DXCT		1001	292	-2300.40780	-0.001	-0.290
				0.007	0.004	0.13
DYCT		1001	292	3686.66990	-0.002	-0.453
				0.007	0.004	0.21
DZCT		1001	292	6752.42840	-0.008	-2.054
				0.007	0.004	0.96
GROUP: 052511.ASC ,obs#: 449						
DXCT		1002	292	-3685.37420	0.003	0.289
				0.011	0.009	0.21
DYCT		1002	292	-4990.36950	0.004	0.496
				0.011	0.009	0.35
DZCT		1002	292	-10950.50460	0.019	2.065
				0.011	0.009	1.47
GROUP: 052511.ASC ,obs#: 450						
DXCT		1001	293	-2272.16150	-0.002	-0.933
				0.006	0.003	0.35
DYCT		1001	293	3131.58730	-0.004	-1.383
				0.006	0.003	0.54
DZCT		1001	293	5648.55930	-0.007	-2.452
				0.006	0.003	0.96
GROUP: 052511.ASC ,obs#: 451						
DXCT		1002	293	-3657.13640	0.010	0.931
				0.012	0.010	0.71
DYCT		1002	293	-5545.46490	0.015	1.447
				0.012	0.011	1.11
DZCT		1002	293	-12054.38020	0.026	2.492
				0.012	0.011	1.90
GROUP: 052611.ASC ,obs#: 452						
DXCT		1001	300	6523.85840	0.010	0.745
				0.014	0.013	0.59
DYCT		1001	300	6220.78890	0.041	3.080
				0.015	0.013	2.46
DZCT		1001	300	14199.85700	-0.007	-0.556
				0.015	0.013	0.44

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: 052611.ASC ,obs#: 453						
DXCT		1002	300	5138.90710	-0.002	-0.740
				0.006	0.002	0.23
DYCT		1002	300	-2456.19640	-0.006	-3.077
				0.006	0.002	0.97
DZCT		1002	300	-3503.05830	0.001	0.541
				0.006	0.002	0.17
GROUP: 052611.ASC ,obs#: 454						
DXCT		1002	1001	-1384.96620	0.003	0.206
				0.017	0.017	0.17
DYCT		1002	1001	-8677.00320	-0.030	-1.791
				0.017	0.017	1.52
DZCT		1002	1001	-17702.90860	0.002	0.114
				0.017	0.017	0.10
GROUP: 052611.ASC ,obs#: 455						
DXCT		1001	301	6995.36660	0.007	0.438
				0.016	0.015	0.35
DYCT		1001	301	7015.38460	0.015	0.980
				0.016	0.015	0.80
DZCT		1001	301	15911.68290	-0.010	-0.644
				0.016	0.015	0.52
GROUP: 052611.ASC ,obs#: 456						
DXCT		1002	301	5610.41120	-0.001	-0.441
				0.005	0.002	0.12
DYCT		1002	301	-1661.63200	-0.002	-0.984
				0.005	0.002	0.27
DZCT		1002	301	-1791.23460	0.001	0.647
				0.005	0.002	0.17
GROUP: 052611.ASC ,obs#: 457						
DXCT		1001	302	6686.83100	0.004	0.255
				0.018	0.017	0.21
DYCT		1001	302	8066.50890	-0.003	-0.150
				0.018	0.017	0.12
DZCT		1001	302	17918.32120	0.004	0.241
				0.018	0.017	0.20
GROUP: 052611.ASC ,obs#: 458						
DXCT		1002	302	5301.87290	-0.000	-0.253
				0.005	0.001	0.05
DYCT		1002	302	-610.52710	0.000	0.150
				0.005	0.001	0.03
DZCT		1002	302	215.41890	-0.000	-0.242
				0.005	0.001	0.05
GROUP: 052611.ASC ,obs#: 459						
DXCT		1001	303	10143.67680	0.016	0.881
				0.019	0.018	0.70
DYCT		1001	303	7960.54210	0.017	0.944
				0.019	0.018	0.75
DZCT		1001	303	18634.37950	-0.000	-0.028
				0.019	0.018	0.02
GROUP: 052611.ASC ,obs#: 460						
DXCT		1002	303	8758.73230	-0.002	-0.884
				0.008	0.003	0.27

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		1002	303	-716.47140	-0.003	-0.948
				0.008	0.003	0.30
DZCT		1002	303	931.47220	0.000	0.039
				0.008	0.003	0.01
GROUP: 052611.ASC ,obs#: 461						
DXCT		1001	304	3288.40710	0.014	0.779
				0.018	0.018	0.66
DYCT		1001	304	8955.17780	0.064	3.283
				0.020	0.020	3.04
DZCT		1001	304	18771.66210	-0.054	-2.664
				0.021	0.020	2.57
GROUP: 052611.ASC ,obs#: 462						
DXCT		1002	304	1903.45840	-0.000	-0.694
				0.002	0.000	0.07
DYCT		1002	304	278.20980	-0.001	-3.563
				0.003	0.000	0.54
DZCT		1002	304	1068.70030	0.001	3.099
				0.003	0.000	0.46
GROUP: 052611.ASC ,obs#: 463						
DXCT		1001	305	714.00310	-0.004	-0.171
				0.024	0.024	0.15
DYCT		1001	305	12527.38110	0.038	1.526
				0.025	0.025	1.34
DZCT		1001	305	25173.95570	-0.010	-0.413
				0.024	0.024	0.36
GROUP: 052611.ASC ,obs#: 464						
DXCT		1002	305	-670.97060	0.007	0.984
				0.007	0.007	0.81
DYCT		1002	305	3850.35590	0.030	4.184
				0.007	0.007	3.53
DZCT		1002	305	7471.08790	-0.049	-7.026
				0.007	0.007	5.80
					^^^^^^^^^^^^^^^^	
GROUP: 052611.ASC ,obs#: 465						
DXCT		1001	306	569.76900	-0.000	-0.019
				0.018	0.018	0.02
DYCT		1001	306	9354.06010	0.044	2.424
				0.018	0.018	2.09
DZCT		1001	306	18827.58700	-0.008	-0.465
				0.018	0.018	0.39
GROUP: 052611.ASC ,obs#: 466						
DXCT		1002	306	-815.19400	-0.000	-0.625
				0.001	0.000	0.05
DYCT		1002	306	677.07160	-0.001	-2.447
				0.002	0.000	0.49
DZCT		1002	306	1124.67180	0.000	1.415
				0.002	0.000	0.13
GROUP: 052611.ASC ,obs#: 467						
DXCT		1001	294	-1551.32390	-0.004	-1.137
				0.006	0.003	0.48
DYCT		1001	294	3383.67170	0.001	0.216
				0.006	0.003	0.09

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		1001	294	6350.66650	0.002	0.780
				0.006	0.003	0.33
GROUP: 052611.ASC ,obs#: 468						
DXCT		1002	294	-2936.30090	0.011	1.136
				0.011	0.009	0.83
DYCT		1002	294	-5293.35870	-0.002	-0.227
				0.011	0.009	0.17
DZCT		1002	294	-11352.23040	-0.007	-0.780
				0.011	0.009	0.57
GROUP: 052611.ASC ,obs#: 469						
DXCT		1001	295	882.68190	-0.003	-1.033
				0.006	0.003	0.43
DYCT		1001	295	3060.49930	-0.006	-2.068
				0.006	0.003	0.88
DZCT		1001	295	6367.78510	0.006	1.943
				0.006	0.003	0.81
GROUP: 052611.ASC ,obs#: 470						
DXCT		1002	295	-502.29350	0.010	1.029
				0.011	0.009	0.76
DYCT		1002	295	-5616.55950	0.019	2.059
				0.011	0.009	1.53
DZCT		1002	295	-11335.09780	-0.018	-1.935
				0.011	0.009	1.43
GROUP: 052611.ASC ,obs#: 471						
DXCT		1001	296	4808.02890	-0.004	-1.034
				0.007	0.004	0.49
DYCT		1001	296	2693.79160	-0.010	-2.297
				0.008	0.004	1.18
DZCT		1001	296	6699.29130	0.007	1.595
				0.007	0.004	0.75
GROUP: 052611.ASC ,obs#: 472						
DXCT		1002	296	3423.05250	0.009	1.031
				0.011	0.009	0.73
DYCT		1002	296	-5983.27330	0.021	2.282
				0.011	0.009	1.65
DZCT		1002	296	-11003.59450	-0.014	-1.571
				0.011	0.009	1.11
GROUP: 052611.ASC ,obs#: 473						
DXCT		1001	297	4927.28290	0.001	0.112
				0.009	0.006	0.06
DYCT		1001	297	3452.42120	0.013	2.080
				0.009	0.006	1.23
DZCT		1001	297	8246.77650	-0.002	-0.351
				0.009	0.006	0.20
GROUP: 052611.ASC ,obs#: 474						
DXCT		1002	297	3542.32170	-0.001	-0.125
				0.010	0.007	0.08
DYCT		1002	297	-5224.58440	-0.015	-2.078
				0.010	0.007	1.32
DZCT		1002	297	-9456.13460	0.002	0.330
				0.010	0.007	0.21
GROUP: 052611.ASC ,obs#: 475						

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		1001	298	5055.41530	0.005	0.577
				0.010	0.008	0.39
DYCT		1001	298	4398.81430	0.037	4.545
				0.010	0.008	3.07
					^^^^^^^^^^^^^^^^	
DZCT		1001	298	10170.03350	-0.025	-2.999
				0.010	0.008	2.02
GROUP: 052611.ASC ,obs#: 476						
DXCT		1002	298	3670.46010	-0.003	-0.581
				0.008	0.005	0.30
DYCT		1002	298	-4278.15930	-0.022	-4.542
				0.008	0.005	2.36
					^^^^^^^^^^^^^^^^	
DZCT		1002	298	-7532.91240	0.015	2.994
				0.008	0.005	1.56
GROUP: 052611.ASC ,obs#: 477						
DXCT		1001	299	6380.91430	0.001	0.099
				0.012	0.011	0.07
DYCT		1001	299	5160.41290	0.051	4.752
				0.012	0.011	3.50
					^^^^^^^^^^^^^^^^	
DZCT		1001	299	12048.74230	-0.061	-5.694
				0.012	0.011	4.20
					^^^^^^^^^^^^^^^^	
GROUP: 052611.ASC ,obs#: 478						
DXCT		1002	299	4995.95300	-0.000	-0.110
				0.007	0.004	0.05
DYCT		1002	299	-3516.55200	-0.017	-4.824
				0.007	0.004	2.07
					^^^^^^^^^^^^^^^^	
DZCT		1002	299	-5654.24630	0.021	5.754
				0.007	0.004	2.48
					^^^^^^^^^^^^^^^^	
GROUP: 052711.ASC ,obs#: 479						
DXCT		1002	305	-670.96400	0.000	0.033
				0.007	0.007	0.03
DYCT		1002	305	3850.39070	-0.005	-0.741
				0.007	0.007	0.60
DZCT		1002	305	7471.03330	0.006	0.831
				0.007	0.007	0.68
GROUP: 052711.ASC ,obs#: 480						
DXCT		305	307	1009.45440	0.001	0.312
				0.005	0.002	0.10
DYCT		305	307	2370.96750	0.002	1.251
				0.005	0.002	0.40
DZCT		305	307	4964.57150	-0.003	-1.831
				0.005	0.002	0.59
GROUP: 052711.ASC ,obs#: 481						
DXCT		1002	307	338.49440	-0.003	-0.297
				0.012	0.011	0.23
DYCT		1002	307	6221.36860	-0.013	-1.219
				0.012	0.011	0.95

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		1002	307	12435.58760	0.020	1.809
				0.012	0.011	1.41
GROUP: 052711.ASC ,obs#: 482						
DXCT		305	308	810.40960	0.000	0.261
				0.004	0.001	0.07
DYCT		305	308	1849.17580	0.000	0.344
				0.004	0.001	0.10
DZCT		305	308	3881.83080	-0.001	-0.904
				0.004	0.001	0.25
GROUP: 052711.ASC ,obs#: 483						
DXCT		1002	308	139.44870	-0.003	-0.254
				0.011	0.010	0.20
DYCT		1002	308	5699.56510	-0.003	-0.323
				0.011	0.010	0.26
DZCT		1002	308	11352.85970	0.009	0.895
				0.011	0.010	0.71
GROUP: 052711.ASC ,obs#: 484						
DXCT		305	309	436.40690	-0.000	-0.095
				0.002	0.000	0.02
DYCT		305	309	984.82660	0.001	1.421
				0.002	0.001	0.32
DZCT		305	309	2072.34460	-0.000	-0.822
				0.002	0.000	0.15
GROUP: 052711.ASC ,obs#: 485						
DXCT		1002	309	-234.55810	0.001	0.136
				0.009	0.009	0.11
DYCT		1002	309	4835.22510	-0.012	-1.389
				0.009	0.009	1.13
DZCT		1002	309	9543.37680	0.006	0.743
				0.009	0.009	0.60
GROUP: 052711.ASC ,obs#: 486						
DXCT		305	310	277.33430	0.000	0.119
				0.001	0.000	0.02
DYCT		305	310	620.52780	0.001	3.526
				0.002	0.000	0.98
DZCT		305	310	1305.41350	-0.000	-1.867
				0.001	0.000	0.26
GROUP: 052711.ASC ,obs#: 487						
DXCT		1002	310	-393.63110	0.002	0.204
				0.008	0.008	0.17
DYCT		1002	310	4470.94310	-0.028	-3.439
				0.009	0.008	2.86
DZCT		1002	310	8776.44210	0.010	1.244
				0.008	0.008	1.02
GROUP: 052711.ASC ,obs#: 488						
DXCT		305	311	-123.78840	0.000	1.486
				0.001	0.000	0.28
DYCT		305	311	-296.18910	-0.004	-2.372
				0.004	0.002	5.43
DZCT		305	311	-620.40430	0.001	2.105
				0.001	0.000	0.99
GROUP: 052711.ASC ,obs#: 489						

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		1002	311	-794.74960	-0.002	-0.379
				0.007	0.006	0.31
DYCT		1002	311	3554.17610	0.017	2.444
				0.008	0.007	2.14
DZCT		1002	311	6850.63410	0.001	0.208
				0.007	0.006	0.17
GROUP: 052711.ASC ,obs#: 490						
DXCT		305	312	-574.22610	0.001	0.930
				0.003	0.001	0.38
DYCT		305	312	-1325.81180	-0.000	-0.246
				0.003	0.001	0.12
DZCT		305	312	-2790.15880	-0.002	-1.606
				0.003	0.001	0.67
GROUP: 052711.ASC ,obs#: 491						
DXCT		1002	312	-1245.18520	-0.003	-0.932
				0.005	0.004	0.64
DYCT		1002	312	2524.57220	0.001	0.331
				0.005	0.004	0.23
DZCT		1002	312	4680.87200	0.006	1.632
				0.005	0.004	1.12
GROUP: 052711.ASC ,obs#: 492						
DXCT		305	313	-2826.61690	0.002	0.938
				0.004	0.002	0.41
DYCT		305	313	-1015.89830	0.004	2.140
				0.004	0.002	0.97
DZCT		305	313	-2785.34000	-0.003	-1.455
				0.004	0.002	0.66
GROUP: 052711.ASC ,obs#: 493						
DXCT		1002	313	-3497.57480	-0.004	-0.935
				0.006	0.004	0.65
DYCT		1002	313	2834.50100	-0.010	-2.120
				0.006	0.005	1.49
DZCT		1002	313	4685.68980	0.007	1.428
				0.006	0.005	1.00
GROUP: 052711.ASC ,obs#: 494						
DXCT		105	314	-5715.04040	-0.000	0.000*
				0.005	0.000	0.00
DYCT		105	314	-266.39250	0.000	0.000*
				0.005	0.000	0.00
DZCT		105	314	-2087.17260	-0.000	0.000*
				0.005	0.000	0.00
GROUP: 052711.ASC ,obs#: 495						
DXCT		1002	314	-6386.01020	-0.000	0.000*
				0.008	0.000	0.00
DYCT		1002	314	3583.99140	-0.000	0.000*
				0.008	0.000	0.00
DZCT		1002	314	5383.86010	0.000	0.000*
				0.008	0.000	0.00
GROUP: 052711.ASC ,obs#: 496						
DXCT		305	315	-7395.77520	0.001	0.330
				0.007	0.004	0.17
DYCT		305	315	-406.64150	0.006	1.463

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.007	0.004	0.79
DZCT		305	315	-2822.15690	0.001	0.231
				0.007	0.004	0.12
GROUP: 052711.ASC ,obs#: 497						
DXCT		1002	315	-8066.73550	-0.002	-0.324
				0.008	0.006	0.21
DYCT		1002	315	3443.75990	-0.010	-1.464
				0.009	0.007	0.96
DZCT		1002	315	4648.88470	-0.002	-0.247
				0.009	0.007	0.16
GROUP: 052711.ASC ,obs#: 498						
DXCT		305	316	-7317.47330	0.003	0.531
				0.008	0.006	0.33
DYCT		305	316	-1902.76140	0.011	1.786
				0.008	0.006	1.16
DZCT		305	316	-5769.33550	-0.005	-0.860
				0.008	0.006	0.54
GROUP: 052711.ASC ,obs#: 499						
DXCT		1002	316	-7988.43140	-0.002	-0.533
				0.007	0.005	0.30
DYCT		1002	316	1947.64390	-0.009	-1.788
				0.007	0.005	1.03
DZCT		1002	316	1701.69430	0.004	0.862
				0.007	0.005	0.48
GROUP: 052711.ASC ,obs#: 500						
DXCT		305	317	-4323.50510	-0.002	-0.365
				0.006	0.004	0.23
DYCT		305	317	-1950.67920	-0.016	-3.475
				0.006	0.005	2.34
DZCT		305	317	-5049.91100	0.010	2.201
				0.006	0.004	1.39
GROUP: 052711.ASC ,obs#: 501						
DXCT		1002	317	-4994.47170	0.001	0.387
				0.005	0.003	0.21
DYCT		1002	317	1899.67810	0.012	3.489
				0.005	0.003	2.06
DZCT		1002	317	2421.14470	-0.007	-2.227
				0.005	0.003	1.20
GROUP: 052711.ASC ,obs#: 502						
DXCT		305	318	7183.83790	-0.009	-1.590
				0.008	0.006	1.03
DYCT		305	318	-3101.52020	0.006	1.022
				0.008	0.006	0.68
DZCT		305	318	-4226.62910	-0.007	-1.255
				0.008	0.006	0.82
GROUP: 052711.ASC ,obs#: 503						
DXCT		1002	318	6512.85870	0.006	1.583
				0.006	0.004	0.85
DYCT		1002	318	748.87580	-0.004	-1.034
				0.007	0.004	0.59
DZCT		1002	318	3244.39750	0.005	1.269
				0.006	0.004	0.70

Residuals (critical value = 4.295):

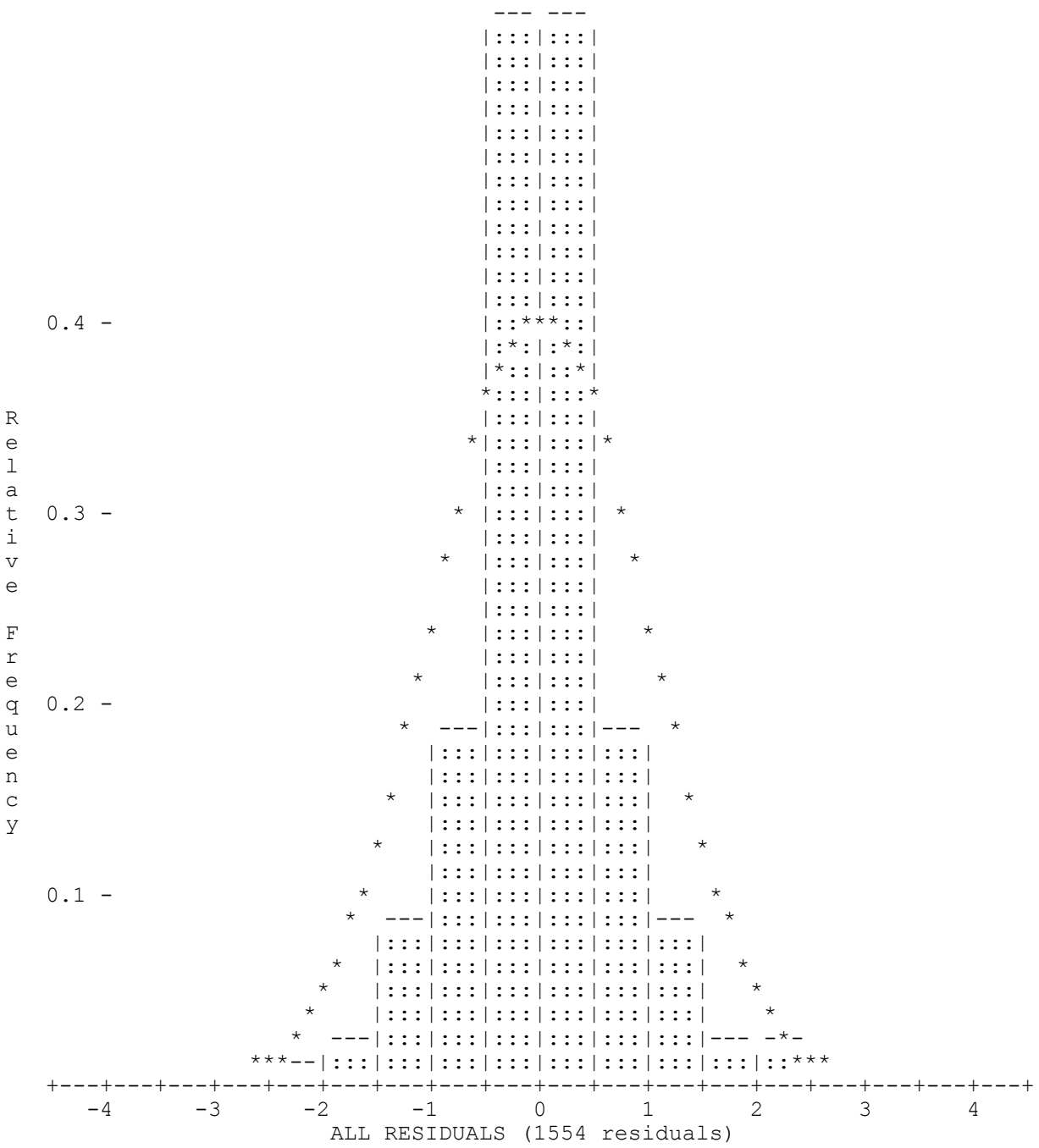
TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: 052711.ASC ,obs#: 504						
DXCT		305	319	211.39990	-0.002	-0.620
				0.004	0.002	0.36
DYCT		305	319	-1911.93730	-0.002	-0.714
				0.004	0.003	0.48
DZCT		305	319	-3740.50340	0.001	0.438
				0.004	0.003	0.30
GROUP: 052711.ASC ,obs#: 505						
DXCT		1002	319	-459.56690	0.002	0.615
				0.004	0.002	0.36
DYCT		1002	319	1938.44440	0.002	0.704
				0.004	0.003	0.45
DZCT		1002	319	3730.53800	-0.001	-0.418
				0.004	0.003	0.27
GROUP: 052811.ASC ,obs#: 506						
DXCT		1002	1001	-1384.96270	-0.000	-0.003
				0.017	0.017	0.00
DYCT		1002	1001	-8677.01420	-0.019	-1.135
				0.017	0.017	0.96
DZCT		1002	1001	-17702.90510	-0.002	-0.095
				0.017	0.017	0.08
GROUP: 052811.ASC ,obs#: 507						
DXCT		1001	320	-3888.73910	-0.003	-1.038
				0.006	0.002	0.37
DYCT		1001	320	2984.66680	0.004	1.733
				0.006	0.003	0.63
DZCT		1001	320	4914.23790	-0.001	-0.232
				0.006	0.002	0.08
GROUP: 052811.ASC ,obs#: 508						
DXCT		1002	320	-5273.71640	0.012	1.043
				0.013	0.011	0.80
DYCT		1002	320	-5692.34210	-0.020	-1.734
				0.013	0.012	1.33
DZCT		1002	320	-12788.67190	0.003	0.220
				0.013	0.011	0.17
GROUP: 052811.ASC ,obs#: 509						
DXCT		1001	321	-6123.55460	-0.003	-0.890
				0.007	0.004	0.37
DYCT		1001	321	3414.40700	0.004	1.058
				0.008	0.004	0.44
DZCT		1001	321	5159.72110	-0.001	-0.165
				0.007	0.004	0.07
GROUP: 052811.ASC ,obs#: 510						
DXCT		1002	321	-7508.53080	0.010	0.890
				0.013	0.012	0.66
DYCT		1002	321	-5262.61000	-0.012	-1.058
				0.013	0.012	0.80
DZCT		1002	321	-12543.18810	0.002	0.166
				0.013	0.012	0.12
GROUP: 052811.ASC ,obs#: 511						
DXCT		1001	322	-5987.41970	-0.007	-1.271
				0.009	0.005	0.66

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		1001	322	4426.99070	0.012	2.053
				0.009	0.006	1.12
DZCT		1001	322	7224.40480	-0.001	-0.263
				0.009	0.005	0.14
GROUP: 052811.ASC ,obs#: 512						
DXCT		1002	322	-7372.40080	0.012	1.271
				0.012	0.009	0.85
DYCT		1002	322	-4250.01170	-0.019	-2.052
				0.012	0.009	1.42
DZCT		1002	322	-10478.50560	0.002	0.252
				0.012	0.009	0.17
GROUP: 052811.ASC ,obs#: 513						
DXCT		1001	323	-6430.55360	-0.006	-0.690
				0.011	0.008	0.44
DYCT		1001	323	5789.67510	0.002	0.186
				0.012	0.009	0.13
DZCT		1001	323	9821.14340	-0.009	-1.040
				0.011	0.008	0.67
GROUP: 052811.ASC ,obs#: 514						
DXCT		1002	323	-7815.52650	0.004	0.682
				0.010	0.006	0.38
DYCT		1002	323	-2887.35550	-0.001	-0.152
				0.010	0.006	0.08
DZCT		1002	323	-7881.77870	0.007	1.034
				0.010	0.006	0.58
GROUP: 052811.ASC ,obs#: 515						
DXCT		1001	324	-5539.22570	-0.007	-0.481
				0.015	0.014	0.38
DYCT		1001	324	8257.64580	0.034	2.363
				0.015	0.014	1.87
DZCT		1001	324	14986.70790	-0.012	-0.834
				0.015	0.014	0.66
GROUP: 052811.ASC ,obs#: 516						
DXCT		1002	324	-6924.19640	0.001	0.479
				0.006	0.002	0.16
DYCT		1002	324	-419.34800	-0.006	-2.364
				0.006	0.002	0.78
DZCT		1002	324	-2716.21270	0.002	0.837
				0.006	0.002	0.28
GROUP: 052811.ASC ,obs#: 517						
DXCT		1001	325	-8724.00540	-0.008	-0.522
				0.017	0.015	0.40
DYCT		1001	325	9080.98000	0.041	2.671
				0.017	0.015	2.03
DZCT		1001	325	15750.73530	-0.006	-0.418
				0.017	0.015	0.32
GROUP: 052811.ASC ,obs#: 518						
DXCT		1002	325	-10108.97820	0.002	0.522
				0.009	0.004	0.20
DYCT		1002	325	403.99850	-0.011	-2.671
				0.009	0.004	1.04
DZCT		1002	325	-1952.17950	0.002	0.421

Residuals (critical value = 4.295):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.009	0.004	0.16


0.4
0.3
0.2
0.1
Relative Frequency
-4
-3
-2
-1
0
1
2
3
4
ALL RESIDUALS (1554 residuals)

S T A T I S T I C S S U M M A R Y

Residual Critical Value Type	Tau Max
Residual Critical Value	4.2946
Number of Flagged Residuals	15
Convergence Criterion	0.0010
Final Iteration Counter Value	2
Confidence Level Used	95.0000
Estimated Variance Factor	1.0000
Number of Degrees of Freedom	900

Chi-Square Test on the Variance Factor:

9.1368e-01 < 1.0000 < 1.0992e+00 ?

THE TEST PASSES

NOTE: All confidence regions were computed using the following factors:

Variance factor used = 1.0000
3-D expansion factor = 2.7955

Note that, for relative confidence regions, precisions are computed from the ratio of the major semi-axis and the spatial distance between the two stations.

3D Station Confidence Regions (95.000 percent):

STATION	MAJ-SEMI	(AZ,VANG)	MED-SEMI	(AZ,VANG)	MIN-SEMI	(AZ,VANG)
1	0.028	(0, 0)	0.028	(90, 0)	0.027	(0, 90)
10	0.019	(0, 0)	0.019	(90, 0)	0.018	(0, 90)
1001	0.018	(0, 0)	0.018	(90, 0)	0.009	(0, 90)
1002	0.018	(0, 0)	0.018	(90, 0)	0.009	(0, 90)
1003	0.045	(0, 0)	0.045	(90, 0)	0.043	(0, 90)
1004	0.045	(0, 0)	0.045	(90, 0)	0.043	(0, 90)
101	0.011	(0, 0)	0.011	(90, 0)	0.008	(0, 90)
102	0.008	(0, 0)	0.008	(90, 0)	0.002	(0, 90)
103	0.015	(0, 0)	0.014	(90, 0)	0.013	(0, 90)
105	0.032	(0, 3)	0.032	(90, 0)	0.028	(180, 87)
11	0.016	(0, 0)	0.016	(90, 0)	0.014	(0, 90)
12	0.008	(0, 0)	0.008	(90, 0)	0.004	(0, 90)
13	0.016	(180, 14)	0.016	(90, 0)	0.015	(0, 76)
14	0.028	(0, 0)	0.028	(90, 0)	0.028	(0, 90)
15	0.036	(0, 90)	0.036	(0, 0)	0.036	(90, 0)
16	0.036	(0, 0)	0.036	(90, 0)	0.036	(0, 90)
17	0.050	(0, 0)	0.050	(90, 0)	0.050	(0, 90)
18	0.036	(0, 0)	0.036	(90, 0)	0.036	(0, 90)
19	0.032	(0, 90)	0.032	(0, 0)	0.032	(90, 0)
2	0.026	(0, 0)	0.026	(90, 0)	0.025	(0, 90)
20	0.029	(0, 0)	0.029	(90, 0)	0.029	(0, 90)
201	0.063	(0, 0)	0.063	(90, 0)	0.062	(0, 90)
202	0.063	(0, 0)	0.063	(90, 0)	0.061	(0, 90)
203	0.057	(0, 0)	0.057	(90, 0)	0.055	(0, 90)
204	0.052	(0, 0)	0.052	(90, 0)	0.050	(0, 90)
205	0.047	(0, 0)	0.047	(90, 0)	0.045	(0, 90)
206	0.040	(0, 0)	0.040	(90, 0)	0.038	(0, 90)
207	0.037	(0, 0)	0.037	(90, 0)	0.034	(0, 90)
208	0.035	(0, 0)	0.035	(90, 0)	0.032	(0, 90)
209	0.030	(0, 0)	0.030	(90, 0)	0.026	(0, 90)
21	0.026	(0, 0)	0.026	(90, 0)	0.025	(0, 90)
210	0.025	(0, 0)	0.025	(90, 0)	0.020	(0, 90)
211	0.030	(0, 0)	0.030	(90, 0)	0.025	(0, 90)
212	0.029	(0, 0)	0.029	(90, 0)	0.025	(0, 90)
213	0.030	(0, 0)	0.030	(90, 0)	0.027	(0, 90)
214	0.036	(0, 0)	0.036	(90, 0)	0.034	(0, 90)
215	0.036	(0, 0)	0.036	(90, 0)	0.034	(0, 90)
216	0.021	(0, 0)	0.021	(90, 0)	0.015	(0, 90)
217	0.027	(0, 0)	0.027	(90, 0)	0.022	(0, 90)
218	0.025	(0, 0)	0.025	(90, 0)	0.020	(0, 90)
219	0.022	(0, 0)	0.022	(90, 0)	0.015	(0, 90)
22	0.013	(0, 0)	0.013	(90, 0)	0.011	(0, 90)
220	0.024	(0, 0)	0.024	(90, 0)	0.019	(0, 90)
221	0.028	(0, 0)	0.028	(90, 0)	0.023	(0, 90)
222	0.028	(0, 0)	0.028	(90, 0)	0.024	(0, 90)
223	0.025	(0, 0)	0.025	(90, 0)	0.020	(0, 90)
224	0.024	(0, 0)	0.024	(90, 0)	0.018	(0, 90)
225	0.033	(0, 0)	0.033	(90, 0)	0.029	(0, 90)
226	0.027	(0, 0)	0.027	(90, 0)	0.022	(0, 90)
227	0.021	(0, 0)	0.021	(90, 0)	0.014	(0, 90)
228	0.024	(0, 0)	0.024	(90, 0)	0.018	(0, 90)
229	0.020	(0, 0)	0.020	(90, 0)	0.012	(0, 90)
23	0.019	(0, 0)	0.019	(90, 0)	0.018	(0, 90)

3D Station Confidence Regions (95.000 percent):

STATION	MAJ-SEMI	(AZ,VANG)	MED-SEMI	(AZ,VANG)	MIN-SEMI	(AZ,VANG)
230	0.021	(0, 0)	0.021	(90, 0)	0.013	(0, 90)
231	0.026	(0, 0)	0.026	(90, 0)	0.021	(0, 90)
232	0.035	(180, 4)	0.035	(90, 0)	0.033	(0, 86)
233	0.041	(0, 0)	0.041	(90, 0)	0.038	(0, 90)
234	0.046	(0, 0)	0.046	(90, 0)	0.043	(0, 90)
235	0.037	(0, 0)	0.036	(90, 0)	0.033	(0, 90)
236	0.029	(0, 0)	0.029	(90, 0)	0.024	(0, 90)
237	0.027	(0, 0)	0.027	(90, 0)	0.022	(0, 90)
238	0.025	(0, 0)	0.025	(90, 0)	0.019	(0, 90)
239	0.022	(0, 0)	0.022	(90, 0)	0.015	(0, 90)
24	0.021	(0, 0)	0.021	(90, 0)	0.020	(0, 90)
240	0.020	(0, 0)	0.020	(90, 0)	0.013	(0, 90)
241	0.027	(0, 0)	0.027	(90, 0)	0.022	(0, 90)
242	0.036	(0, 2)	0.036	(90, 0)	0.033	(180, 88)
243	0.036	(0, 0)	0.036	(90, 0)	0.032	(0, 90)
244	0.044	(0, 0)	0.044	(90, 0)	0.041	(0, 90)
245	0.042	(0, 0)	0.042	(90, 0)	0.039	(0, 90)
246	0.048	(0, 3)	0.048	(90, 0)	0.046	(180, 87)
247	0.041	(0, 0)	0.041	(90, 0)	0.038	(0, 90)
248	0.040	(0, 0)	0.040	(90, 0)	0.037	(0, 90)
249	0.047	(0, 0)	0.047	(90, 0)	0.046	(0, 90)
25	0.019	(0, 0)	0.019	(90, 0)	0.018	(0, 90)
250	0.048	(0, 0)	0.048	(90, 0)	0.046	(0, 90)
251	0.048	(0, 0)	0.048	(90, 0)	0.046	(0, 90)
252	0.050	(0, 0)	0.050	(90, 0)	0.048	(0, 90)
253	0.026	(0, 0)	0.026	(90, 0)	0.021	(0, 90)
254	0.023	(0, 0)	0.022	(90, 0)	0.016	(0, 90)
255	0.024	(0, 0)	0.024	(90, 0)	0.018	(0, 90)
256	0.025	(0, 0)	0.025	(90, 0)	0.020	(0, 90)
257	0.030	(0, 0)	0.030	(90, 0)	0.026	(0, 90)
258	0.035	(0, 0)	0.035	(90, 0)	0.031	(0, 90)
259	0.040	(0, 0)	0.040	(90, 0)	0.038	(0, 90)
25R B	0.008	(0, 0)	0.008	(90, 0)	0.000	(0, 90)
26	0.026	(0, 0)	0.026	(90, 0)	0.025	(0, 90)
260	0.039	(0, 0)	0.039	(90, 0)	0.035	(0, 90)
261	0.039	(0, 0)	0.039	(90, 0)	0.035	(0, 90)
262	0.034	(0, 0)	0.034	(90, 0)	0.030	(0, 90)
263	0.018	(0, 0)	0.018	(90, 0)	0.009	(0, 90)
264	0.020	(0, 0)	0.020	(90, 0)	0.012	(0, 90)
265	0.022	(0, 0)	0.022	(90, 0)	0.015	(0, 90)
266	0.023	(0, 0)	0.023	(90, 0)	0.017	(0, 90)
267	0.026	(0, 0)	0.026	(90, 0)	0.021	(0, 90)
268	0.025	(0, 0)	0.025	(90, 0)	0.019	(0, 90)
269	0.024	(0, 0)	0.024	(90, 0)	0.018	(0, 90)
27	0.030	(0, 0)	0.030	(90, 0)	0.030	(0, 90)
270	0.024	(0, 0)	0.024	(90, 0)	0.019	(0, 90)
271	0.022	(0, 0)	0.022	(90, 0)	0.015	(0, 90)
272	0.027	(0, 0)	0.027	(90, 0)	0.023	(0, 90)
273	0.029	(0, 3)	0.028	(90, 0)	0.024	(180, 87)
274	0.027	(0, 0)	0.027	(90, 0)	0.022	(0, 90)
275	0.027	(0, 0)	0.027	(90, 0)	0.022	(0, 90)
276	0.022	(0, 0)	0.022	(90, 0)	0.016	(0, 90)
277	0.024	(0, 0)	0.024	(90, 0)	0.019	(0, 90)

3D Station Confidence Regions (95.000 percent):

STATION	MAJ-SEMI	(AZ,VANG)	MED-SEMI	(AZ,VANG)	MIN-SEMI	(AZ,VANG)
278	0.025	(0, 0)	0.025	(90, 0)	0.019	(0, 90)
279	0.030	(0, 3)	0.030	(90, 0)	0.025	(180, 87)
28	0.036	(0, 0)	0.036	(90, 0)	0.036	(0, 90)
280	0.029	(0, 0)	0.029	(90, 0)	0.025	(0, 90)
281	0.029	(0, 0)	0.028	(90, 0)	0.024	(0, 90)
282	0.020	(0, 0)	0.020	(90, 0)	0.013	(0, 90)
283	0.023	(0, 0)	0.023	(90, 0)	0.016	(0, 90)
284	0.019	(0, 0)	0.019	(90, 0)	0.011	(0, 90)
285	0.019	(0, 0)	0.019	(90, 0)	0.011	(0, 90)
286	0.018	(0, 0)	0.018	(90, 0)	0.009	(0, 90)
287	0.018	(90, 0)	0.018	(0, 0)	0.010	(0, 90)
288	0.019	(90, 0)	0.019	(0, 0)	0.012	(0, 90)
289	0.022	(0, 0)	0.022	(90, 0)	0.015	(0, 90)
29	0.042	(0, 0)	0.042	(90, 0)	0.042	(0, 90)
290	0.024	(0, 0)	0.024	(90, 0)	0.018	(0, 90)
291	0.025	(0, 0)	0.025	(90, 0)	0.019	(0, 90)
292	0.024	(0, 0)	0.024	(90, 0)	0.019	(0, 90)
293	0.023	(0, 0)	0.023	(90, 0)	0.017	(0, 90)
294	0.024	(0, 0)	0.024	(90, 0)	0.018	(0, 90)
295	0.023	(0, 0)	0.023	(90, 0)	0.017	(0, 90)
296	0.025	(180, 2)	0.025	(90, 0)	0.020	(0, 88)
297	0.026	(90, 0)	0.026	(0, 0)	0.020	(0, 90)
298	0.025	(0, 0)	0.025	(90, 0)	0.020	(0, 90)
299	0.025	(0, 0)	0.025	(90, 0)	0.020	(0, 90)
3	0.019	(0, 0)	0.019	(90, 0)	0.017	(0, 90)
30	0.036	(0, 0)	0.036	(90, 0)	0.036	(0, 90)
300	0.023	(0, 0)	0.023	(90, 0)	0.017	(0, 90)
301	0.023	(0, 0)	0.023	(90, 0)	0.017	(0, 90)
302	0.022	(0, 0)	0.022	(90, 0)	0.015	(0, 90)
303	0.027	(90, 0)	0.027	(0, 0)	0.022	(0, 90)
304	0.019	(0, 3)	0.019	(90, 0)	0.012	(180, 87)
305	0.019	(0, 0)	0.019	(90, 0)	0.011	(0, 90)
306	0.019	(0, 0)	0.019	(90, 0)	0.011	(0, 90)
307	0.023	(0, 0)	0.023	(90, 0)	0.016	(0, 90)
308	0.021	(0, 0)	0.021	(90, 0)	0.015	(0, 90)
309	0.020	(0, 0)	0.020	(90, 0)	0.012	(0, 90)
31	0.028	(0, 0)	0.028	(90, 0)	0.027	(0, 90)
310	0.019	(0, 0)	0.019	(90, 0)	0.012	(0, 90)
311	0.019	(180, 6)	0.019	(90, 4)	0.014	(325, 83)
312	0.020	(90, 0)	0.020	(0, 0)	0.012	(0, 90)
313	0.020	(0, 0)	0.020	(90, 0)	0.013	(0, 90)
314	0.028	(0, 0)	0.028	(90, 0)	0.024	(0, 90)
315	0.024	(0, 0)	0.024	(90, 0)	0.018	(0, 90)
316	0.024	(0, 0)	0.024	(90, 0)	0.018	(0, 90)
317	0.021	(0, 0)	0.021	(90, 0)	0.015	(0, 90)
318	0.023	(90, 0)	0.023	(0, 0)	0.017	(0, 90)
319	0.020	(0, 2)	0.020	(90, 0)	0.013	(180, 88)
32	0.015	(0, 0)	0.015	(90, 0)	0.013	(0, 90)
320	0.024	(0, 0)	0.024	(90, 0)	0.017	(0, 90)
321	0.026	(0, 0)	0.026	(90, 0)	0.020	(0, 90)
322	0.027	(180, 2)	0.027	(90, 0)	0.022	(0, 88)
323	0.027	(90, 0)	0.027	(0, 0)	0.023	(0, 90)
324	0.024	(0, 0)	0.024	(90, 0)	0.019	(0, 90)

3D Station Confidence Regions (95.000 percent):

STATION	MAJ-SEMI	(AZ,VANG)	MED-SEMI	(AZ,VANG)	MIN-SEMI	(AZ,VANG)
325	0.028	(0, 0)	0.028	(90, 0)	0.024	(0, 90)
33	0.016	(0, 0)	0.016	(90, 0)	0.015	(0, 90)
34	0.018	(0, 0)	0.018	(90, 0)	0.017	(0, 90)
35	0.021	(0, 0)	0.021	(90, 0)	0.020	(0, 90)
36	0.023	(0, 0)	0.023	(90, 0)	0.022	(0, 90)
37	0.026	(0, 0)	0.026	(90, 0)	0.026	(0, 90)
38	0.015	(0, 0)	0.015	(90, 0)	0.014	(0, 90)
39	0.023	(0, 0)	0.023	(90, 0)	0.022	(0, 90)
4	0.012	(0, 0)	0.012	(90, 0)	0.010	(0, 90)
40	0.029	(0, 34)	0.029	(90, 0)	0.028	(180, 56)
41	0.032	(0, 0)	0.032	(90, 0)	0.032	(0, 90)
42	0.035	(0, 0)	0.035	(90, 0)	0.035	(0, 90)
43	0.039	(0, 0)	0.039	(90, 0)	0.039	(0, 90)
44	0.042	(0, 0)	0.042	(90, 0)	0.042	(0, 90)
45	0.045	(0, 0)	0.045	(90, 0)	0.045	(0, 90)
46	0.051	(158, 62)	0.050	(265, 9)	0.050	(0, 27)
47	0.007	(0, 90)	0.007	(0, 0)	0.007	(90, 0)
48	0.008	(0, 90)	0.008	(0, 0)	0.008	(90, 0)
48B	0.009	(0, 90)	0.008	(0, 0)	0.008	(90, 0)
49	0.013	(0, 90)	0.013	(0, 0)	0.013	(90, 0)
49B	0.013	(0, 90)	0.013	(0, 0)	0.013	(90, 0)
5	0.016	(0, 0)	0.016	(90, 0)	0.015	(0, 90)
50	0.017	(0, 90)	0.016	(0, 0)	0.016	(90, 0)
51	0.021	(0, 90)	0.021	(0, 0)	0.021	(90, 0)
52	0.024	(0, 90)	0.024	(0, 0)	0.023	(90, 0)
53	0.024	(0, 0)	0.024	(90, 0)	0.024	(0, 90)
54	0.028	(0, 90)	0.028	(0, 0)	0.028	(90, 0)
57	0.020	(0, 0)	0.020	(90, 0)	0.019	(0, 90)
58	0.022	(0, 0)	0.022	(90, 0)	0.021	(0, 90)
59	0.025	(0, 90)	0.025	(0, 0)	0.025	(90, 0)
6	0.015	(0, 0)	0.015	(90, 0)	0.013	(0, 90)
60	0.025	(0, 0)	0.025	(90, 0)	0.025	(0, 90)
61	0.023	(0, 90)	0.023	(0, 0)	0.023	(90, 0)
62	0.029	(0, 90)	0.029	(0, 0)	0.029	(90, 0)
63	0.020	(0, 90)	0.020	(0, 0)	0.020	(90, 0)
64	0.018	(0, 90)	0.018	(0, 0)	0.018	(90, 0)
65	0.008	(0, 0)	0.008	(90, 0)	0.003	(0, 90)
66	0.017	(0, 90)	0.015	(0, 0)	0.015	(90, 0)
67	0.017	(0, 90)	0.016	(0, 0)	0.016	(90, 0)
68	0.019	(0, 90)	0.018	(0, 0)	0.018	(90, 0)
69	0.023	(0, 74)	0.022	(180, 16)	0.022	(90, 0)
7	0.026	(0, 0)	0.026	(90, 0)	0.025	(0, 90)
70	0.024	(0, 90)	0.024	(0, 0)	0.024	(90, 0)
71	0.022	(0, 90)	0.021	(0, 0)	0.021	(90, 0)
72	0.020	(0, 0)	0.020	(90, 0)	0.020	(0, 90)
73	0.023	(0, 0)	0.023	(90, 0)	0.023	(0, 90)
74	0.023	(0, 90)	0.023	(0, 0)	0.023	(90, 0)
75	0.022	(0, 90)	0.022	(0, 0)	0.022	(90, 0)
76	0.019	(0, 90)	0.018	(0, 0)	0.018	(90, 0)
77	0.019	(0, 90)	0.018	(0, 0)	0.018	(90, 0)
78	0.035	(305, 79)	0.029	(181, 6)	0.028	(90, 9)
79	0.043	(344, 73)	0.042	(180, 16)	0.042	(89, 4)
8	0.029	(0, 0)	0.029	(90, 0)	0.028	(0, 90)

3D Station Confidence Regions (95.000 percent):

STATION	MAJ-SEMI	(AZ,VANG)	MED-SEMI	(AZ,VANG)	MIN-SEMI	(AZ,VANG)
80	0.054	(0, 90)	0.054	(0, 0)	0.054	(90, 0)
9	0.029	(0, 0)	0.029	(90, 0)	0.029	(0, 90)
B 1408	0.023	(90, 0)	0.023	(0, 0)	0.000	(0, 90)
E 630 RESET	0.043	(0, 0)	0.043	(90, 0)	0.042	(0, 90)
N 1408	0.019	(0, 0)	0.019	(90, 0)	0.000	(0, 90)
R 630 RESET	0.030	(0, 0)	0.030	(90, 0)	0.029	(0, 90)
U 630 RESET	0.028	(0, 24)	0.028	(90, 0)	0.027	(180, 66)

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1	101	0.027 (0, 90)	0.027 (0, 0)	0.027 (90, 0)	15837.298	1.72
1	102	0.027 (0, 90)	0.027 (0, 0)	0.027 (90, 0)	15508.555	1.76
10	101	0.019 (0, 90)	0.019 (0, 0)	0.019 (90, 0)	20925.942	0.91
10	102	0.018 (0, 90)	0.017 (0, 0)	0.017 (90, 0)	7757.910	2.27
1001	1002	0.004 (0, 0)	0.004 (90, 0)	0.004 (0, 90)	19763.652	0.22
1001	1003	0.043 (0, 90)	0.043 (0, 0)	0.043 (90, 0)	43658.002	0.98
1001	1004	0.043 (0, 90)	0.043 (0, 0)	0.043 (90, 0)	43826.693	0.97
1001	101	0.018 (0, 0)	0.018 (90, 0)	0.012 (0, 90)	55997.985	0.32
1001	102	0.017 (0, 0)	0.017 (90, 0)	0.009 (0, 90)	39722.737	0.43
1001	103	0.020 (0, 0)	0.020 (90, 0)	0.015 (0, 90)	66119.616	0.30
1001	201	0.061 (0, 90)	0.061 (0, 0)	0.061 (90, 0)	45285.009	1.36
1001	202	0.061 (0, 90)	0.061 (0, 0)	0.061 (90, 0)	43660.307	1.39
1001	203	0.054 (0, 90)	0.054 (0, 0)	0.054 (90, 0)	39218.412	1.38
1001	204	0.049 (0, 90)	0.049 (0, 0)	0.049 (90, 0)	35992.614	1.37
1001	205	0.044 (0, 90)	0.044 (0, 0)	0.044 (90, 0)	32941.413	1.34
1001	206	0.037 (0, 90)	0.037 (0, 0)	0.037 (90, 0)	29064.059	1.27
1001	207	0.033 (0, 90)	0.033 (0, 0)	0.033 (90, 0)	27753.509	1.19
1001	208	0.031 (0, 90)	0.030 (0, 0)	0.030 (90, 0)	33456.448	0.92
1001	209	0.025 (0, 90)	0.024 (0, 0)	0.024 (90, 0)	30485.302	0.81
1001	210	0.018 (0, 90)	0.018 (0, 0)	0.018 (90, 0)	27145.165	0.66
1001	211	0.024 (0, 90)	0.024 (0, 0)	0.024 (90, 0)	28056.981	0.87
1001	212	0.024 (0, 90)	0.024 (0, 0)	0.024 (90, 0)	26740.786	0.89
1001	213	0.026 (0, 90)	0.026 (0, 0)	0.026 (90, 0)	26441.417	0.97
1001	214	0.034 (0, 0)	0.034 (90, 0)	0.034 (0, 90)	32193.479	1.06
1001	215	0.034 (0, 0)	0.034 (90, 0)	0.034 (0, 90)	30051.920	1.13
1001	216	0.012 (0, 90)	0.012 (0, 0)	0.012 (90, 0)	5385.067	2.28

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1001	217	0.021	0.021	0.021	11010.914	1.91
		(0, 90)	(0, 0)	(90, 0)		
1001	218	0.018	0.018	0.018	8641.815	2.06
		(0, 90)	(0, 0)	(90, 0)		
1001	219	0.013	0.012	0.012	5636.022	2.25
		(0, 90)	(0, 0)	(90, 0)		
1001	220	0.017	0.017	0.017	8363.309	2.02
		(0, 90)	(0, 0)	(90, 0)		
1001	221	0.021	0.021	0.021	10387.084	2.06
		(0, 90)	(0, 0)	(90, 0)		
1001	222	0.022	0.022	0.022	12636.491	1.77
		(0, 90)	(0, 0)	(90, 0)		
1001	223	0.018	0.018	0.018	13191.094	1.40
		(0, 90)	(0, 0)	(90, 0)		
1001	224	0.016	0.016	0.016	12066.592	1.33
		(0, 90)	(0, 0)	(90, 0)		
1001	225	0.028	0.028	0.028	26528.613	1.04
		(0, 90)	(0, 0)	(90, 0)		
1001	226	0.021	0.021	0.021	27259.780	0.77
		(0, 90)	(0, 0)	(90, 0)		
1001	227	0.012	0.011	0.011	24174.464	0.48
		(0, 90)	(0, 0)	(90, 0)		
1001	228	0.016	0.016	0.016	25954.084	0.63
		(0, 90)	(0, 0)	(90, 0)		
1001	229	0.009	0.009	0.009	21120.540	0.44
		(0, 90)	(0, 0)	(90, 0)		
1001	230	0.011	0.011	0.011	17950.660	0.61
		(0, 90)	(0, 0)	(90, 0)		
1001	231	0.020	0.019	0.019	19411.386	1.02
		(0, 90)	(0, 0)	(90, 0)		
1001	232	0.032	0.031	0.031	22974.201	1.39
		(180, 80)	(90, 0)	(0, 10)		
1001	233	0.038	0.037	0.037	26219.674	1.43
		(0, 90)	(0, 0)	(90, 0)		
1001	234	0.043	0.042	0.042	29780.477	1.43
		(0, 90)	(0, 0)	(90, 0)		
1001	235	0.032	0.032	0.032	26681.651	1.20
		(0, 90)	(0, 0)	(90, 0)		
1001	236	0.023	0.023	0.023	17249.298	1.33
		(0, 90)	(0, 0)	(90, 0)		
1001	237	0.020	0.020	0.020	12187.037	1.66
		(0, 90)	(0, 0)	(90, 0)		
1001	238	0.017	0.017	0.017	9150.560	1.89
		(0, 90)	(0, 0)	(90, 0)		
1001	239	0.013	0.012	0.012	15294.895	0.82
		(0, 90)	(0, 0)	(90, 0)		
1001	240	0.010	0.010	0.010	21327.742	0.48
		(0, 90)	(0, 0)	(90, 0)		
1001	241	0.020	0.020	0.020	25474.978	0.79
		(0, 90)	(0, 0)	(90, 0)		
1001	242	0.032	0.032	0.032	29246.318	1.09
		(0, 66)	(180, 24)	(90, 0)		

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1001	243	0.031	0.031	0.031	23780.196	1.32
		(0, 90)	(0, 0)	(90, 0)		
1001	244	0.040	0.040	0.040	25728.507	1.57
		(0, 90)	(0, 0)	(90, 0)		
1001	245	0.038	0.038	0.038	22992.531	1.66
		(0, 90)	(0, 0)	(90, 0)		
1001	246	0.045	0.045	0.045	26291.449	1.72
		(0, 75)	(180, 15)	(90, 0)		
1001	247	0.037	0.036	0.036	18876.843	1.94
		(0, 90)	(0, 0)	(90, 0)		
1001	248	0.036	0.036	0.036	19476.607	1.85
		(0, 90)	(0, 0)	(90, 0)		
1001	253	0.020	0.020	0.020	21370.678	0.92
		(0, 90)	(90, 0)	(0, 0)		
1001	254	0.014	0.014	0.014	18640.641	0.77
		(0, 90)	(0, 0)	(90, 0)		
1001	255	0.016	0.016	0.016	14289.882	1.15
		(0, 90)	(0, 0)	(90, 0)		
1001	256	0.018	0.018	0.018	9053.487	1.96
		(0, 90)	(0, 0)	(90, 0)		
1001	257	0.025	0.024	0.024	14892.078	1.67
		(0, 90)	(0, 0)	(90, 0)		
1001	258	0.030	0.030	0.030	20661.409	1.45
		(0, 90)	(0, 0)	(90, 0)		
1001	259	0.037	0.036	0.036	22790.675	1.61
		(0, 90)	(0, 0)	(90, 0)		
1001	260	0.034	0.034	0.034	20504.403	1.68
		(0, 90)	(0, 0)	(90, 0)		
1001	261	0.034	0.034	0.034	19468.980	1.77
		(0, 90)	(0, 0)	(90, 0)		
1001	262	0.029	0.028	0.028	14875.833	1.93
		(0, 90)	(0, 0)	(90, 0)		
1001	263	0.005	0.005	0.005	20059.384	0.27
		(0, 90)	(0, 0)	(90, 0)		
1001	264	0.010	0.009	0.009	23213.727	0.41
		(0, 90)	(0, 0)	(90, 0)		
1001	265	0.013	0.013	0.013	23590.816	0.54
		(0, 90)	(0, 0)	(90, 0)		
1001	266	0.015	0.015	0.015	14753.678	1.00
		(0, 90)	(0, 0)	(90, 0)		
1001	267	0.020	0.019	0.019	14287.253	1.37
		(0, 90)	(0, 0)	(90, 0)		
1001	268	0.018	0.017	0.017	17238.744	1.02
		(0, 90)	(0, 0)	(90, 0)		
1001	269	0.016	0.016	0.016	20347.783	0.79
		(0, 90)	(0, 0)	(90, 0)		
1001	270	0.017	0.017	0.017	22998.829	0.74
		(0, 90)	(0, 0)	(90, 0)		
1001	271	0.013	0.013	0.013	20072.860	0.65
		(0, 90)	(90, 0)	(0, 0)		
1001	272	0.021	0.021	0.021	18188.553	1.16
		(0, 90)	(0, 0)	(90, 0)		

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1001	273	0.023	0.022	0.022	15279.808	1.50
		(0, 65)	(90, 0)	(180, 25)		
1001	274	0.021	0.021	0.021	12778.356	1.64
		(0, 90)	(0, 0)	(90, 0)		
1001	275	0.020	0.020	0.020	10314.094	1.98
		(0, 90)	(0, 0)	(90, 0)		
1001	276	0.013	0.013	0.013	5806.237	2.32
		(0, 90)	(0, 0)	(90, 0)		
1001	277	0.017	0.017	0.017	8808.788	1.91
		(0, 90)	(0, 0)	(90, 0)		
1001	278	0.017	0.017	0.017	8947.500	1.89
		(0, 90)	(0, 0)	(90, 0)		
1001	279	0.024	0.023	0.023	13099.315	1.85
		(0, 72)	(180, 18)	(90, 0)		
1001	280	0.023	0.023	0.023	16127.713	1.45
		(0, 90)	(0, 0)	(90, 0)		
1001	281	0.022	0.022	0.022	18625.401	1.20
		(0, 90)	(0, 0)	(90, 0)		
1001	282	0.010	0.010	0.010	15982.377	0.64
		(0, 90)	(0, 0)	(90, 0)		
1001	283	0.014	0.014	0.014	13624.100	1.05
		(0, 90)	(0, 0)	(90, 0)		
1001	284	0.008	0.007	0.007	17763.941	0.43
		(0, 90)	(0, 0)	(90, 0)		
1001	285	0.007	0.007	0.007	17676.119	0.41
		(0, 90)	(0, 0)	(90, 0)		
1001	286	0.005	0.005	0.005	19688.107	0.27
		(0, 90)	(0, 0)	(90, 0)		
1001	287	0.006	0.005	0.005	20268.087	0.28
		(0, 90)	(90, 0)	(0, 0)		
1001	288	0.009	0.008	0.008	17781.869	0.50
		(0, 90)	(90, 0)	(0, 0)		
1001	289	0.013	0.013	0.013	15377.765	0.87
		(0, 90)	(0, 0)	(90, 0)		
1001	290	0.016	0.015	0.015	13427.145	1.19
		(0, 90)	(0, 0)	(90, 0)		
1001	291	0.017	0.017	0.017	11680.195	1.49
		(0, 90)	(0, 0)	(90, 0)		
1001	292	0.017	0.016	0.016	8029.856	2.07
		(0, 90)	(0, 0)	(90, 0)		
1001	293	0.015	0.015	0.015	6846.583	2.23
		(0, 90)	(0, 0)	(90, 0)		
1001	294	0.016	0.015	0.015	7361.172	2.11
		(0, 90)	(0, 0)	(90, 0)		
1001	295	0.015	0.015	0.015	7120.007	2.11
		(0, 90)	(0, 0)	(90, 0)		
1001	296	0.018	0.017	0.017	8674.915	2.10
		(180, 74)	(90, 0)	(0, 16)		
1001	297	0.019	0.018	0.018	10208.169	1.84
		(0, 90)	(90, 0)	(0, 0)		
1001	298	0.018	0.018	0.018	12179.337	1.49
		(0, 90)	(0, 0)	(90, 0)		

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1001	299	0.018	0.018	0.018	14577.969	1.23
		(0, 90)	(0, 0)	(90, 0)		
1001	300	0.015	0.015	0.015	16819.492	0.92
		(0, 90)	(0, 0)	(90, 0)		
1001	301	0.015	0.014	0.014	18743.864	0.78
		(0, 90)	(0, 0)	(90, 0)		
1001	302	0.013	0.013	0.013	20756.895	0.65
		(0, 90)	(0, 0)	(90, 0)		
1001	303	0.020	0.020	0.020	22660.651	0.90
		(0, 90)	(90, 0)	(0, 0)		
1001	304	0.009	0.007	0.007	21056.670	0.44
		(0, 70)	(90, 0)	(180, 20)		
1001	305	0.008	0.007	0.007	28127.808	0.27
		(0, 90)	(0, 0)	(90, 0)		
1001	306	0.008	0.006	0.006	21030.968	0.38
		(0, 90)	(0, 0)	(90, 0)		
1001	320	0.015	0.015	0.015	6941.203	2.19
		(0, 90)	(0, 0)	(90, 0)		
1001	321	0.018	0.018	0.018	8705.106	2.11
		(0, 90)	(0, 0)	(90, 0)		
1001	322	0.021	0.020	0.020	10374.952	1.98
		(180, 75)	(90, 0)	(0, 15)		
1001	323	0.021	0.021	0.021	13089.199	1.63
		(0, 90)	(90, 0)	(0, 0)		
1001	324	0.017	0.017	0.017	17985.367	0.95
		(0, 90)	(0, 0)	(90, 0)		
1001	325	0.022	0.022	0.022	20165.783	1.11
		(0, 90)	(0, 0)	(90, 0)		
1001	B 1408	0.015	0.015	0.009	25706.002	0.58
		(90, 0)	(0, 0)	(0, 90)		
1001	KVTX	0.018	0.018	0.009	139399.518	0.13
		(0, 0)	(90, 0)	(0, 90)		
1001	N 1408	0.009	0.006	0.006	2156.848	4.05
		(0, 90)	(0, 0)	(90, 0)		
1001	TXPR	0.018	0.018	0.009	43540.424	0.42
		(0, 0)	(90, 0)	(0, 90)		
1002	1003	0.043	0.043	0.043	34765.599	1.22
		(0, 90)	(0, 0)	(90, 0)		
1002	1004	0.043	0.043	0.043	33805.717	1.26
		(0, 90)	(0, 0)	(90, 0)		
1002	101	0.018	0.018	0.012	52450.182	0.34
		(0, 0)	(90, 0)	(0, 90)		
1002	102	0.017	0.017	0.009	36044.398	0.47
		(0, 0)	(90, 0)	(0, 90)		
1002	103	0.020	0.020	0.015	57753.025	0.34
		(0, 0)	(90, 0)	(0, 90)		
1002	201	0.061	0.061	0.061	34880.611	1.76
		(0, 90)	(0, 0)	(90, 0)		
1002	202	0.061	0.061	0.061	34787.460	1.74
		(0, 90)	(0, 0)	(90, 0)		
1002	203	0.054	0.054	0.054	30738.479	1.77
		(0, 90)	(0, 0)	(90, 0)		

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1002	204	0.049	0.049	0.049	27394.897	1.80
		(0, 90)	(0, 0)	(90, 0)		
1002	205	0.044	0.044	0.044	24032.203	1.84
		(0, 90)	(0, 0)	(90, 0)		
1002	206	0.037	0.037	0.037	19159.660	1.92
		(0, 90)	(0, 0)	(90, 0)		
1002	207	0.033	0.033	0.033	16600.900	1.99
		(0, 90)	(0, 0)	(90, 0)		
1002	208	0.030	0.030	0.030	13702.746	2.23
		(0, 90)	(0, 0)	(90, 0)		
1002	209	0.024	0.024	0.024	10753.514	2.26
		(0, 90)	(0, 0)	(90, 0)		
1002	210	0.018	0.017	0.017	7478.649	2.35
		(0, 90)	(0, 0)	(90, 0)		
1002	211	0.024	0.024	0.024	11097.115	2.17
		(0, 90)	(0, 0)	(90, 0)		
1002	212	0.023	0.023	0.023	11139.281	2.11
		(0, 90)	(0, 0)	(90, 0)		
1002	213	0.025	0.025	0.025	12525.963	2.03
		(0, 90)	(0, 0)	(90, 0)		
1002	214	0.034	0.034	0.034	19779.058	1.72
		(0, 0)	(90, 0)	(0, 90)		
1002	215	0.034	0.034	0.034	21113.928	1.61
		(0, 0)	(90, 0)	(0, 90)		
1002	216	0.013	0.013	0.013	14925.592	0.86
		(0, 90)	(0, 0)	(90, 0)		
1002	217	0.021	0.021	0.021	16674.832	1.27
		(0, 90)	(0, 0)	(90, 0)		
1002	218	0.018	0.018	0.018	15602.368	1.16
		(0, 90)	(0, 0)	(90, 0)		
1002	219	0.013	0.013	0.013	14288.529	0.92
		(0, 90)	(0, 0)	(90, 0)		
1002	220	0.017	0.017	0.017	13338.127	1.29
		(0, 90)	(0, 0)	(90, 0)		
1002	221	0.022	0.021	0.021	18544.196	1.17
		(0, 90)	(0, 0)	(90, 0)		
1002	222	0.022	0.022	0.022	14076.569	1.59
		(0, 90)	(0, 0)	(90, 0)		
1002	223	0.018	0.018	0.018	9491.683	1.93
		(0, 90)	(0, 0)	(90, 0)		
1002	224	0.016	0.016	0.016	8060.914	1.97
		(0, 90)	(0, 0)	(90, 0)		
1002	225	0.027	0.027	0.027	12717.781	2.16
		(0, 90)	(0, 0)	(90, 0)		
1002	226	0.021	0.020	0.020	8914.566	2.31
		(0, 90)	(0, 0)	(90, 0)		
1002	227	0.011	0.011	0.011	4475.708	2.42
		(0, 90)	(0, 0)	(90, 0)		
1002	228	0.016	0.016	0.016	6738.694	2.34
		(0, 90)	(0, 0)	(90, 0)		
1002	229	0.008	0.008	0.008	3397.112	2.44
		(0, 90)	(0, 0)	(90, 0)		

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1002	230	0.010	0.010	0.010	4157.880	2.42
		(0, 90)	(0, 0)	(90, 0)		
1002	231	0.019	0.019	0.019	8736.346	2.23
		(0, 90)	(90, 0)	(0, 0)		
1002	232	0.032	0.030	0.030	15344.494	2.07
		(180, 80)	(90, 0)	(0, 10)		
1002	233	0.037	0.037	0.037	19254.141	1.95
		(0, 90)	(0, 0)	(90, 0)		
1002	234	0.043	0.042	0.042	22088.794	1.93
		(0, 90)	(0, 0)	(90, 0)		
1002	235	0.032	0.032	0.032	15342.512	2.08
		(0, 90)	(0, 0)	(90, 0)		
1002	236	0.023	0.023	0.023	11314.236	2.02
		(0, 90)	(0, 0)	(90, 0)		
1002	237	0.020	0.020	0.020	11628.322	1.74
		(0, 90)	(0, 0)	(90, 0)		
1002	238	0.017	0.017	0.017	11440.425	1.52
		(0, 90)	(0, 0)	(90, 0)		
1002	239	0.012	0.012	0.012	5136.280	2.32
		(0, 90)	(0, 0)	(90, 0)		
1002	240	0.009	0.009	0.009	3919.770	2.39
		(0, 90)	(0, 0)	(90, 0)		
1002	241	0.020	0.020	0.019	8636.439	2.28
		(0, 90)	(0, 0)	(90, 0)		
1002	242	0.032	0.031	0.031	14760.568	2.15
		(0, 66)	(180, 24)	(90, 0)		
1002	243	0.031	0.031	0.031	15424.453	2.02
		(0, 90)	(0, 0)	(90, 0)		
1002	244	0.040	0.040	0.040	22187.837	1.82
		(0, 90)	(0, 0)	(90, 0)		
1002	245	0.038	0.038	0.038	22002.657	1.74
		(0, 90)	(0, 0)	(90, 0)		
1002	246	0.045	0.045	0.045	26617.003	1.70
		(0, 75)	(180, 15)	(90, 0)		
1002	247	0.037	0.036	0.036	25746.731	1.42
		(0, 90)	(0, 0)	(90, 0)		
1002	248	0.036	0.036	0.036	23457.903	1.54
		(0, 90)	(0, 0)	(90, 0)		
1002	253	0.019	0.019	0.019	8756.968	2.22
		(0, 90)	(90, 0)	(0, 0)		
1002	254	0.014	0.013	0.013	5825.052	2.36
		(0, 90)	(0, 0)	(90, 0)		
1002	255	0.016	0.016	0.016	7560.166	2.13
		(0, 90)	(0, 0)	(90, 0)		
1002	256	0.018	0.018	0.018	12574.758	1.42
		(0, 90)	(0, 0)	(90, 0)		
1002	257	0.025	0.024	0.024	14033.317	1.77
		(0, 90)	(0, 0)	(90, 0)		
1002	258	0.030	0.029	0.029	15401.845	1.93
		(0, 90)	(0, 0)	(90, 0)		
1002	259	0.037	0.036	0.036	20263.311	1.81
		(0, 90)	(0, 0)	(90, 0)		

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1002	260	0.034	0.034	0.034	19922.256	1.73
		(0, 90)	(0, 0)	(90, 0)		
1002	261	0.034	0.034	0.034	21020.387	1.64
		(0, 90)	(0, 0)	(90, 0)		
1002	262	0.029	0.028	0.028	19742.184	1.46
		(0, 90)	(0, 0)	(90, 0)		
1002	263	0.003	0.002	0.002	732.010	4.25
		(0, 90)	(0, 0)	(90, 0)		
1002	264	0.009	0.008	0.008	3554.988	2.40
		(0, 90)	(0, 0)	(90, 0)		
1002	265	0.012	0.012	0.012	5087.843	2.36
		(0, 90)	(0, 0)	(90, 0)		
1002	266	0.014	0.014	0.014	6471.921	2.20
		(0, 90)	(0, 0)	(90, 0)		
1002	267	0.019	0.019	0.019	9763.986	1.98
		(0, 90)	(0, 0)	(90, 0)		
1002	268	0.017	0.017	0.017	7802.311	2.20
		(0, 90)	(0, 0)	(90, 0)		
1002	269	0.016	0.015	0.015	6854.387	2.28
		(0, 90)	(0, 0)	(90, 0)		
1002	270	0.017	0.016	0.016	7177.956	2.31
		(0, 90)	(0, 0)	(90, 0)		
1002	271	0.012	0.012	0.012	5352.732	2.33
		(0, 90)	(90, 0)	(0, 0)		
1002	272	0.021	0.021	0.021	9804.586	2.13
		(0, 90)	(0, 0)	(90, 0)		
1002	273	0.023	0.022	0.022	11541.545	1.97
		(0, 65)	(90, 0)	(180, 25)		
1002	274	0.021	0.021	0.021	11836.718	1.77
		(0, 90)	(0, 0)	(90, 0)		
1002	275	0.021	0.020	0.020	14543.112	1.41
		(0, 90)	(0, 0)	(90, 0)		
1002	276	0.014	0.014	0.014	16523.988	0.85
		(0, 90)	(0, 0)	(90, 0)		
1002	277	0.017	0.017	0.017	11078.901	1.53
		(0, 90)	(0, 0)	(90, 0)		
1002	278	0.017	0.017	0.017	11269.125	1.51
		(0, 90)	(0, 0)	(90, 0)		
1002	279	0.024	0.023	0.023	14748.954	1.64
		(0, 72)	(180, 18)	(90, 0)		
1002	280	0.023	0.023	0.023	12047.743	1.93
		(0, 90)	(0, 0)	(90, 0)		
1002	281	0.022	0.022	0.022	10640.635	2.09
		(0, 90)	(0, 0)	(90, 0)		
1002	282	0.009	0.009	0.009	3938.853	2.40
		(0, 90)	(0, 0)	(90, 0)		
1002	283	0.014	0.014	0.014	6268.522	2.21
		(0, 90)	(0, 0)	(90, 0)		
1002	284	0.006	0.006	0.006	2467.344	2.61
		(0, 90)	(0, 0)	(90, 0)		
1002	285	0.006	0.006	0.006	2328.429	2.55
		(0, 90)	(0, 0)	(90, 0)		

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1002	286	0.003	0.002	0.001	301.924	10.17
		(0, 90)	(0, 0)	(90, 0)		
1002	287	0.004	0.003	0.003	1023.721	3.59
		(0, 90)	(90, 0)	(0, 0)		
1002	288	0.008	0.007	0.007	2789.873	2.82
		(0, 90)	(90, 0)	(0, 0)		
1002	289	0.013	0.012	0.012	5347.285	2.39
		(0, 90)	(0, 0)	(90, 0)		
1002	290	0.016	0.015	0.015	7136.692	2.19
		(0, 90)	(0, 0)	(90, 0)		
1002	291	0.017	0.017	0.017	8878.065	1.94
		(0, 90)	(0, 0)	(90, 0)		
1002	292	0.017	0.017	0.016	12585.661	1.34
		(0, 90)	(0, 0)	(90, 0)		
1002	293	0.016	0.015	0.015	13763.504	1.13
		(0, 90)	(0, 0)	(90, 0)		
1002	294	0.016	0.016	0.016	12865.254	1.23
		(0, 90)	(0, 0)	(90, 0)		
1002	295	0.015	0.015	0.015	12660.279	1.21
		(0, 90)	(0, 0)	(90, 0)		
1002	296	0.018	0.017	0.017	12984.455	1.42
		(180, 74)	(90, 0)	(0, 16)		
1002	297	0.019	0.018	0.018	11369.385	1.65
		(0, 90)	(90, 0)	(0, 0)		
1002	298	0.018	0.018	0.018	9408.488	1.91
		(0, 90)	(0, 0)	(90, 0)		
1002	299	0.018	0.017	0.017	8324.426	2.11
		(0, 90)	(0, 0)	(90, 0)		
1002	300	0.015	0.015	0.015	6686.755	2.25
		(0, 90)	(0, 0)	(90, 0)		
1002	301	0.014	0.014	0.014	6119.334	2.31
		(0, 90)	(0, 0)	(90, 0)		
1002	302	0.013	0.012	0.012	5341.255	2.40
		(0, 90)	(0, 0)	(90, 0)		
1002	303	0.020	0.020	0.020	8837.212	2.27
		(0, 90)	(90, 0)	(0, 0)		
1002	304	0.008	0.006	0.006	2200.608	3.75
		(0, 71)	(90, 0)	(180, 19)		
1002	305	0.006	0.006	0.006	8431.612	0.73
		(0, 90)	(0, 0)	(90, 0)		
1002	306	0.007	0.004	0.004	1545.268	4.36
		(0, 90)	(0, 0)	(90, 0)		
1002	307	0.014	0.013	0.013	13909.140	0.99
		(0, 90)	(0, 0)	(90, 0)		
1002	308	0.012	0.011	0.011	12704.018	0.91
		(0, 90)	(0, 0)	(90, 0)		
1002	309	0.008	0.008	0.008	10700.956	0.79
		(0, 90)	(0, 0)	(90, 0)		
1002	310	0.008	0.007	0.007	9857.491	0.80
		(0, 90)	(0, 0)	(90, 0)		
1002	311	0.011	0.006	0.006	7758.552	1.40
		(145, 73)	(268, 9)	(0, 14)		

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1002	312	0.008	0.008	0.008	5462.105	1.56
		(0, 90)	(90, 0)	(0, 0)		
1002	313	0.010	0.009	0.009	6497.934	1.51
		(0, 90)	(0, 0)	(90, 0)		
1002	314	0.022	0.022	0.022	9089.118	2.44
		(0, 90)	(0, 0)	(90, 0)		
1002	315	0.016	0.015	0.015	9926.922	1.57
		(0, 90)	(0, 0)	(90, 0)		
1002	316	0.016	0.015	0.015	8396.674	1.89
		(0, 90)	(0, 0)	(90, 0)		
1002	317	0.012	0.011	0.011	5866.470	2.04
		(0, 90)	(0, 0)	(90, 0)		
1002	318	0.015	0.014	0.014	7314.668	2.01
		(0, 90)	(90, 0)	(0, 0)		
1002	319	0.010	0.008	0.008	4229.146	2.28
		(0, 72)	(90, 0)	(180, 18)		
1002	320	0.016	0.015	0.015	14958.777	1.04
		(0, 90)	(0, 0)	(90, 0)		
1002	321	0.019	0.018	0.018	15537.200	1.20
		(0, 90)	(0, 0)	(90, 0)		
1002	322	0.021	0.020	0.020	13498.664	1.53
		(180, 75)	(90, 0)	(0, 15)		
1002	323	0.021	0.021	0.021	11469.156	1.86
		(0, 90)	(90, 0)	(0, 0)		
1002	324	0.017	0.016	0.016	7449.707	2.24
		(0, 90)	(0, 0)	(90, 0)		
1002	325	0.022	0.022	0.022	10303.669	2.15
		(0, 90)	(0, 0)	(90, 0)		
1002	B 1408	0.014	0.014	0.009	6102.235	2.33
		(90, 0)	(0, 0)	(0, 90)		
1002	KVTX	0.018	0.018	0.009	119756.015	0.15
		(0, 0)	(90, 0)	(0, 90)		
1002	N 1408	0.009	0.007	0.007	17890.573	0.49
		(0, 90)	(0, 0)	(90, 0)		
1002	TXPR	0.018	0.018	0.009	51686.382	0.35
		(0, 0)	(90, 0)	(0, 90)		
1003	1004	0.006	0.006	0.006	2551.264	2.25
		(0, 90)	(0, 0)	(90, 0)		
1003	249	0.015	0.015	0.015	8406.669	1.81
		(0, 90)	(0, 0)	(90, 0)		
1003	250	0.016	0.015	0.015	8357.830	1.86
		(0, 90)	(0, 0)	(90, 0)		
1003	251	0.017	0.017	0.017	9031.591	1.89
		(0, 90)	(0, 0)	(90, 0)		
1003	252	0.022	0.022	0.022	11992.487	1.86
		(0, 90)	(0, 0)	(90, 0)		
1003	KVTX	0.045	0.045	0.043	121096.382	0.37
		(0, 0)	(90, 0)	(0, 90)		
1003	TXPR	0.045	0.045	0.043	84936.781	0.53
		(0, 0)	(90, 0)	(0, 90)		
1004	249	0.015	0.015	0.015	9041.720	1.69
		(0, 90)	(0, 0)	(90, 0)		

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1004	250	0.016	0.015	0.015	9431.350	1.66
		(0, 90)	(0, 0)	(90, 0)		
1004	251	0.017	0.017	0.017	11285.941	1.53
		(0, 90)	(0, 0)	(90, 0)		
1004	252	0.022	0.022	0.022	14437.338	1.55
		(0, 90)	(0, 0)	(90, 0)		
1004	KVTX	0.045	0.045	0.043	118618.114	0.38
		(0, 0)	(90, 0)	(0, 90)		
1004	TXPR	0.045	0.045	0.043	84489.888	0.54
		(0, 0)	(90, 0)	(0, 90)		
101	102	0.008	0.008	0.008	16733.480	0.48
		(0, 90)	(0, 0)	(90, 0)		
101	103	0.012	0.012	0.012	16746.689	0.72
		(0, 90)	(0, 0)	(90, 0)		
101	11	0.016	0.015	0.015	17018.740	0.92
		(0, 90)	(0, 0)	(90, 0)		
101	12	0.009	0.008	0.008	15822.697	0.55
		(0, 90)	(0, 0)	(90, 0)		
101	13	0.016	0.015	0.015	15809.762	1.03
		(180, 73)	(90, 0)	(0, 17)		
101	2	0.026	0.025	0.025	18261.065	1.40
		(0, 90)	(0, 0)	(90, 0)		
101	211	0.029	0.029	0.026	44339.707	0.66
		(0, 0)	(90, 0)	(0, 90)		
101	212	0.028	0.028	0.026	42849.968	0.66
		(0, 0)	(90, 0)	(0, 90)		
101	213	0.030	0.030	0.027	40721.440	0.73
		(0, 0)	(90, 0)	(0, 90)		
101	214	0.036	0.036	0.035	34386.410	1.04
		(0, 0)	(90, 0)	(0, 90)		
101	215	0.036	0.036	0.035	31457.288	1.13
		(0, 0)	(90, 0)	(0, 90)		
101	22	0.007	0.007	0.006	2719.282	2.73
		(0, 90)	(0, 0)	(90, 0)		
101	23	0.016	0.016	0.016	6775.140	2.32
		(0, 90)	(0, 0)	(90, 0)		
101	24	0.019	0.019	0.019	8264.221	2.29
		(0, 90)	(0, 0)	(90, 0)		
101	25	0.017	0.016	0.016	7280.535	2.30
		(0, 90)	(0, 0)	(90, 0)		
101	25R B	0.008	0.008	0.008	16681.259	0.50
		(0, 90)	(0, 0)	(90, 0)		
101	26	0.024	0.024	0.024	11271.370	2.14
		(0, 90)	(0, 0)	(90, 0)		
101	27	0.029	0.029	0.029	14041.593	2.07
		(0, 90)	(0, 0)	(90, 0)		
101	28	0.035	0.035	0.035	17815.064	1.99
		(0, 90)	(0, 0)	(90, 0)		
101	29	0.042	0.041	0.041	21570.348	1.93
		(0, 90)	(0, 0)	(90, 0)		
101	3	0.018	0.018	0.018	16520.043	1.10
		(0, 90)	(0, 0)	(90, 0)		

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
101	30	0.036	0.035	0.035	18568.067	1.92
		(0, 90)	(0, 0)	(90, 0)		
101	31	0.027	0.026	0.026	12832.161	2.07
		(0, 90)	(0, 0)	(90, 0)		
101	32	0.012	0.012	0.012	16752.370	0.74
		(0, 90)	(0, 0)	(90, 0)		
101	33	0.014	0.013	0.013	18669.144	0.75
		(0, 90)	(0, 0)	(90, 0)		
101	34	0.016	0.016	0.015	17207.503	0.93
		(0, 90)	(0, 0)	(90, 0)		
101	35	0.019	0.019	0.019	12701.985	1.53
		(0, 90)	(0, 0)	(90, 0)		
101	36	0.021	0.021	0.021	10924.004	1.93
		(0, 90)	(0, 0)	(90, 0)		
101	37	0.025	0.024	0.024	12182.160	2.04
		(0, 90)	(0, 0)	(90, 0)		
101	4	0.006	0.005	0.005	2233.163	2.73
		(0, 90)	(0, 0)	(90, 0)		
101	5	0.015	0.015	0.015	8701.064	1.72
		(0, 90)	(0, 0)	(90, 0)		
101	6	0.015	0.015	0.015	22318.376	0.68
		(0, 90)	(0, 0)	(90, 0)		
101	7	0.025	0.025	0.025	27676.531	0.92
		(0, 90)	(0, 0)	(90, 0)		
101	8	0.028	0.028	0.028	28261.023	1.00
		(0, 90)	(0, 0)	(90, 0)		
101	9	0.029	0.029	0.029	28265.280	1.03
		(0, 90)	(0, 0)	(90, 0)		
101	E 630 RESET	0.042	0.042	0.042	20734.772	2.02
		(0, 90)	(0, 0)	(90, 0)		
101	KVTX	0.011	0.011	0.008	125064.760	0.09
		(0, 0)	(90, 0)	(0, 90)		
101	R 630 RESET	0.029	0.028	0.028	15405.979	1.85
		(0, 90)	(0, 0)	(90, 0)		
101	TXLR	0.011	0.011	0.008	162900.895	0.07
		(0, 0)	(90, 0)	(0, 90)		
101	TXPR	0.011	0.011	0.008	31019.348	0.35
		(0, 0)	(90, 0)	(0, 90)		
101	U 630 RESET	0.028	0.027	0.027	16297.498	1.69
		(0, 74)	(180, 16)	(90, 0)		
102	103	0.013	0.013	0.013	27316.294	0.47
		(0, 90)	(0, 0)	(90, 0)		
102	11	0.014	0.014	0.014	6019.195	2.31
		(0, 90)	(0, 0)	(90, 0)		
102	12	0.003	0.003	0.003	995.965	3.20
		(0, 90)	(0, 0)	(90, 0)		
102	13	0.015	0.014	0.014	6124.010	2.40
		(180, 73)	(90, 0)	(0, 17)		
102	14	0.028	0.028	0.028	13221.505	2.11
		(0, 90)	(0, 0)	(90, 0)		
102	15	0.036	0.035	0.035	17085.499	2.10
		(0, 90)	(0, 0)	(90, 0)		

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
102	16	0.036	0.036	0.036	16830.757	2.15
		(0, 90)	(0, 0)	(90, 0)		
102	17	0.050	0.050	0.050	25425.213	1.97
		(0, 90)	(0, 0)	(90, 0)		
102	18	0.036	0.036	0.036	18164.633	1.99
		(0, 90)	(0, 0)	(90, 0)		
102	19	0.032	0.031	0.031	17206.355	1.84
		(0, 90)	(0, 0)	(90, 0)		
102	2	0.025	0.025	0.025	12658.013	1.98
		(0, 90)	(0, 0)	(90, 0)		
102	20	0.029	0.029	0.029	15346.028	1.89
		(0, 90)	(0, 0)	(90, 0)		
102	201	0.063	0.063	0.062	70376.557	0.90
		(0, 0)	(90, 0)	(0, 90)		
102	202	0.062	0.062	0.061	70644.582	0.88
		(0, 0)	(90, 0)	(0, 90)		
102	203	0.056	0.056	0.055	66717.065	0.84
		(0, 0)	(90, 0)	(0, 90)		
102	204	0.051	0.051	0.050	63406.798	0.81
		(0, 0)	(90, 0)	(0, 90)		
102	205	0.047	0.047	0.045	60061.952	0.78
		(0, 0)	(90, 0)	(0, 90)		
102	206	0.040	0.040	0.038	55195.599	0.72
		(0, 0)	(90, 0)	(0, 90)		
102	207	0.036	0.036	0.034	52608.260	0.69
		(0, 0)	(90, 0)	(0, 90)		
102	21	0.025	0.025	0.025	11227.275	2.22
		(0, 90)	(0, 0)	(90, 0)		
102	216	0.021	0.021	0.015	35929.473	0.57
		(0, 0)	(90, 0)	(0, 90)		
102	217	0.026	0.026	0.022	28833.730	0.90
		(0, 0)	(90, 0)	(0, 90)		
102	218	0.024	0.024	0.020	31468.475	0.76
		(0, 0)	(90, 0)	(0, 90)		
102	219	0.021	0.021	0.015	38785.969	0.54
		(0, 0)	(90, 0)	(0, 90)		
102	22	0.011	0.010	0.010	19451.898	0.56
		(0, 90)	(0, 0)	(90, 0)		
102	220	0.023	0.023	0.019	41441.689	0.57
		(0, 0)	(90, 0)	(0, 90)		
102	221	0.027	0.027	0.023	47379.922	0.57
		(0, 0)	(90, 0)	(0, 90)		
102	222	0.027	0.027	0.024	45606.451	0.60
		(0, 0)	(90, 0)	(0, 90)		
102	223	0.024	0.024	0.020	41692.575	0.58
		(0, 0)	(90, 0)	(0, 90)		
102	224	0.023	0.023	0.018	34434.283	0.66
		(0, 0)	(90, 0)	(0, 90)		
102	23	0.017	0.017	0.017	23471.678	0.74
		(0, 90)	(0, 0)	(90, 0)		
102	24	0.020	0.020	0.020	23903.314	0.85
		(0, 90)	(0, 0)	(90, 0)		

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
102	25	0.018	0.018	0.018	20352.630	0.89
		(0, 90)	(0, 0)	(90, 0)		
102	25R B	0.002	0.002	0.002	705.552	3.54
		(0, 90)	(0, 0)	(90, 0)		
102	26	0.025	0.025	0.025	22093.561	1.13
		(0, 90)	(0, 0)	(90, 0)		
102	27	0.030	0.029	0.029	23511.316	1.26
		(0, 90)	(0, 0)	(90, 0)		
102	28	0.036	0.035	0.035	26010.464	1.38
		(0, 90)	(0, 0)	(90, 0)		
102	29	0.042	0.042	0.042	29067.587	1.44
		(0, 90)	(0, 0)	(90, 0)		
102	3	0.017	0.017	0.017	7766.576	2.19
		(0, 90)	(0, 0)	(90, 0)		
102	30	0.036	0.036	0.036	24413.762	1.47
		(0, 90)	(0, 0)	(90, 0)		
102	31	0.027	0.027	0.027	21516.922	1.26
		(0, 90)	(0, 0)	(90, 0)		
102	38	0.014	0.014	0.014	25383.232	0.55
		(0, 90)	(0, 0)	(90, 0)		
102	39	0.022	0.022	0.022	19949.569	1.09
		(0, 90)	(0, 0)	(90, 0)		
102	4	0.010	0.009	0.009	14500.377	0.68
		(0, 90)	(0, 0)	(90, 0)		
102	40	0.028	0.028	0.028	14857.843	1.91
		(0, 74)	(180, 16)	(90, 0)		
102	41	0.032	0.031	0.031	18205.266	1.73
		(0, 90)	(0, 0)	(90, 0)		
102	42	0.034	0.034	0.034	21132.733	1.63
		(0, 90)	(0, 0)	(90, 0)		
102	43	0.039	0.039	0.039	24851.980	1.56
		(0, 90)	(0, 0)	(90, 0)		
102	44	0.041	0.041	0.041	28954.893	1.43
		(0, 90)	(0, 0)	(90, 0)		
102	45	0.045	0.045	0.045	32206.152	1.40
		(0, 90)	(0, 0)	(90, 0)		
102	46	0.051	0.050	0.050	36087.561	1.40
		(158, 71)	(268, 7)	(0, 18)		
102	47	0.010	0.010	0.007	24726.372	0.41
		(0, 0)	(90, 0)	(0, 90)		
102	48	0.011	0.011	0.009	24322.865	0.46
		(0, 0)	(90, 0)	(0, 90)		
102	48B	0.011	0.011	0.009	24310.763	0.46
		(0, 0)	(90, 0)	(0, 90)		
102	49	0.015	0.015	0.013	22604.689	0.65
		(0, 0)	(90, 0)	(0, 90)		
102	49B	0.015	0.015	0.013	22608.396	0.65
		(0, 0)	(90, 0)	(0, 90)		
102	5	0.015	0.015	0.015	8032.903	1.84
		(0, 90)	(0, 0)	(90, 0)		
102	50	0.018	0.018	0.017	20976.046	0.85
		(0, 0)	(90, 0)	(0, 90)		

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
102	51	0.022 (0, 0)	0.022 (90, 0)	0.021 (0, 90)	18182.593	1.20
102	52	0.024 (0, 0)	0.024 (90, 0)	0.024 (0, 90)	15906.962	1.50
102	53	0.024 (0, 0)	0.024 (90, 0)	0.024 (0, 90)	14054.181	1.72
102	54	0.028 (0, 0)	0.028 (0, 90)	0.028 (90, 0)	16914.714	1.65
102	57	0.019 (0, 90)	0.019 (0, 0)	0.019 (90, 0)	8950.459	2.16
102	58	0.021 (0, 90)	0.021 (0, 0)	0.021 (90, 0)	10380.829	2.06
102	59	0.025 (0, 90)	0.025 (0, 0)	0.025 (90, 0)	13465.769	1.88
102	6	0.013 (0, 90)	0.013 (0, 0)	0.013 (90, 0)	5587.278	2.37
102	60	0.025 (0, 0)	0.025 (90, 0)	0.025 (0, 90)	15941.236	1.59
102	61	0.024 (0, 0)	0.024 (90, 0)	0.023 (0, 90)	20292.380	1.17
102	62	0.029 (0, 90)	0.029 (0, 0)	0.029 (90, 0)	17990.753	1.60
102	63	0.021 (0, 0)	0.021 (90, 0)	0.021 (0, 90)	18397.533	1.14
102	64	0.019 (0, 0)	0.019 (90, 0)	0.018 (0, 90)	19494.504	0.99
102	65	0.002 (0, 90)	0.001 (0, 0)	0.001 (90, 0)	320.771	5.57
102	66	0.017 (0, 0)	0.017 (90, 0)	0.017 (0, 90)	24760.898	0.69
102	67	0.018 (0, 0)	0.018 (90, 0)	0.017 (0, 90)	24310.978	0.73
102	68	0.020 (0, 0)	0.020 (90, 0)	0.019 (0, 90)	22606.115	0.87
102	69	0.023 (0, 33)	0.023 (90, 0)	0.023 (180, 57)	20999.059	1.10
102	7	0.025 (0, 90)	0.024 (0, 0)	0.024 (90, 0)	11001.202	2.23
102	70	0.024 (0, 0)	0.024 (90, 0)	0.024 (0, 90)	18472.896	1.32
102	71	0.022 (0, 0)	0.022 (90, 0)	0.022 (0, 90)	19532.052	1.13
102	72	0.020 (0, 90)	0.019 (0, 0)	0.019 (90, 0)	9012.651	2.19
102	73	0.023 (0, 90)	0.023 (0, 0)	0.023 (90, 0)	13025.678	1.79
102	74	0.023 (0, 0)	0.023 (90, 0)	0.023 (0, 90)	15721.759	1.47
102	75	0.022 (0, 0)	0.022 (90, 0)	0.022 (0, 90)	16890.862	1.31
102	76	0.020 (0, 0)	0.020 (90, 0)	0.019 (0, 90)	21290.487	0.92

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
102	77	0.020	0.019	0.019	21822.241	0.89
		(0, 0)	(90, 0)	(0, 90)		
102	78	0.035	0.029	0.028	16509.145	2.13
		(305, 79)	(181, 6)	(90, 9)		
102	79	0.043	0.042	0.042	28489.810	1.52
		(344, 71)	(180, 18)	(88, 5)		
102	8	0.028	0.027	0.027	12622.276	2.19
		(0, 90)	(0, 0)	(90, 0)		
102	80	0.054	0.054	0.054	34724.648	1.56
		(0, 90)	(0, 0)	(90, 0)		
102	9	0.028	0.028	0.028	12996.637	2.19
		(0, 90)	(0, 0)	(90, 0)		
102	E 630 RESET	0.042	0.042	0.042	32260.188	1.31
		(0, 90)	(0, 0)	(90, 0)		
102	KVTX	0.008	0.008	0.002	123675.586	0.06
		(0, 0)	(90, 0)	(0, 90)		
102	R 630 RESET	0.029	0.029	0.029	18389.402	1.56
		(0, 90)	(0, 0)	(90, 0)		
102	TXLR	0.008	0.008	0.002	176758.124	0.04
		(0, 0)	(90, 0)	(0, 90)		
102	TXPR	0.008	0.008	0.002	27456.814	0.29
		(0, 0)	(90, 0)	(0, 90)		
102	U 630 RESET	0.027	0.027	0.027	15015.638	1.83
		(0, 74)	(180, 16)	(90, 0)		
103	212	0.030	0.030	0.027	46850.416	0.63
		(0, 0)	(90, 0)	(0, 90)		
103	213	0.031	0.031	0.029	45231.919	0.68
		(0, 0)	(90, 0)	(0, 90)		
103	214	0.037	0.037	0.036	38004.355	0.96
		(0, 0)	(90, 0)	(0, 90)		
103	215	0.036	0.036	0.036	37341.467	0.97
		(0, 0)	(90, 0)	(0, 90)		
103	32	0.003	0.001	0.001	42.281	66.15
		(0, 90)	(0, 0)	(90, 0)		
103	33	0.008	0.006	0.006	2614.216	2.94
		(0, 90)	(0, 0)	(90, 0)		
103	34	0.012	0.011	0.011	4638.824	2.49
		(0, 90)	(0, 0)	(90, 0)		
103	35	0.018	0.018	0.018	8715.116	2.08
		(0, 90)	(0, 0)	(90, 0)		
103	36	0.022	0.021	0.021	13414.009	1.62
		(0, 90)	(0, 0)	(90, 0)		
103	37	0.026	0.025	0.025	17951.585	1.45
		(0, 90)	(0, 0)	(90, 0)		
103	38	0.006	0.005	0.005	2224.337	2.67
		(0, 90)	(0, 0)	(90, 0)		
103	39	0.019	0.019	0.019	8887.356	2.18
		(0, 90)	(0, 0)	(90, 0)		
103	40	0.029	0.029	0.029	19966.809	1.48
		(0, 74)	(180, 16)	(90, 0)		
103	41	0.032	0.032	0.032	20057.728	1.59
		(0, 90)	(0, 0)	(90, 0)		

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
103	42	0.035	0.034	0.034	20598.332	1.68
		(0, 90)	(0, 0)	(90, 0)		
103	43	0.038	0.038	0.038	20625.842	1.86
		(0, 90)	(0, 0)	(90, 0)		
103	44	0.041	0.041	0.041	22734.910	1.81
		(0, 90)	(0, 0)	(90, 0)		
103	45	0.045	0.045	0.045	24698.336	1.82
		(0, 90)	(0, 0)	(90, 0)		
103	46	0.050	0.049	0.049	27386.117	1.84
		(158, 71)	(268, 6)	(0, 17)		
103	KVTX	0.015	0.014	0.013	110550.488	0.13
		(0, 0)	(90, 0)	(0, 90)		
103	TXLR	0.015	0.014	0.013	149483.006	0.10
		(0, 0)	(90, 0)	(0, 90)		
103	TXPR	0.015	0.014	0.013	47640.422	0.30
		(0, 0)	(90, 0)	(0, 90)		
105	314	0.015	0.015	0.015	6090.069	2.48
		(0, 90)	(0, 0)	(90, 0)		
14	TXPR	0.028	0.028	0.028	24500.096	1.16
		(0, 0)	(90, 0)	(0, 90)		
15	TXPR	0.036	0.036	0.036	29536.293	1.22
		(0, 90)	(0, 0)	(90, 0)		
16	TXPR	0.036	0.036	0.036	32983.026	1.10
		(0, 0)	(90, 0)	(0, 90)		
17	TXPR	0.050	0.050	0.050	36845.294	1.36
		(0, 0)	(90, 0)	(0, 90)		
18	TXPR	0.036	0.036	0.036	26650.173	1.36
		(0, 0)	(90, 0)	(0, 90)		
19	TXPR	0.032	0.032	0.032	20177.268	1.57
		(0, 90)	(0, 0)	(90, 0)		
20	TXPR	0.029	0.029	0.029	19402.294	1.50
		(0, 0)	(90, 0)	(0, 90)		
21	TXPR	0.026	0.026	0.025	27745.990	0.93
		(0, 0)	(90, 0)	(0, 90)		
305	307	0.013	0.012	0.012	5593.517	2.27
		(0, 90)	(0, 0)	(90, 0)		
305	308	0.010	0.010	0.010	4375.479	2.33
		(0, 90)	(0, 0)	(90, 0)		
305	309	0.006	0.006	0.006	2335.583	2.65
		(0, 90)	(0, 0)	(90, 0)		
305	310	0.005	0.004	0.004	1471.759	3.55
		(0, 90)	(0, 0)	(90, 0)		
305	311	0.010	0.002	0.002	698.537	13.90
		(146, 72)	(267, 10)	(0, 15)		
305	312	0.007	0.007	0.007	3142.055	2.38
		(0, 90)	(90, 0)	(0, 0)		
305	313	0.009	0.009	0.009	4096.331	2.18
		(0, 90)	(0, 0)	(90, 0)		
305	315	0.015	0.015	0.015	7926.373	1.93
		(0, 90)	(0, 0)	(90, 0)		
305	316	0.016	0.015	0.015	9510.579	1.68
		(0, 90)	(0, 0)	(90, 0)		

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
305	317	0.012	0.011	0.011	6928.162	1.76
		(0, 90)	(0, 0)	(90, 0)		
305	318	0.015	0.014	0.014	8893.326	1.68
		(0, 90)	(90, 0)	(0, 0)		
305	319	0.010	0.008	0.008	4206.133	2.31
		(0, 72)	(90, 0)	(180, 18)		
38	TXPR	0.015	0.015	0.014	46504.259	0.33
		(0, 0)	(90, 0)	(0, 90)		
39	TXPR	0.023	0.023	0.022	43591.981	0.52
		(0, 0)	(90, 0)	(0, 90)		
40	TXPR	0.029	0.029	0.028	42044.745	0.68
		(0, 34)	(90, 0)	(180, 56)		
41	TXPR	0.032	0.032	0.032	45426.269	0.70
		(0, 0)	(90, 0)	(0, 90)		
42	TXPR	0.035	0.035	0.035	48374.973	0.72
		(0, 0)	(90, 0)	(0, 90)		
44	TXPR	0.042	0.042	0.042	56123.785	0.74
		(0, 0)	(90, 0)	(0, 90)		
45	TXPR	0.045	0.045	0.045	59391.770	0.76
		(0, 0)	(90, 0)	(0, 90)		
46	TXPR	0.051	0.050	0.050	63291.037	0.80
		(158, 62)	(265, 9)	(0, 27)		
47	TXPR	0.007	0.007	0.007	2742.865	2.56
		(0, 90)	(0, 0)	(90, 0)		
48	TXPR	0.008	0.008	0.008	3459.615	2.45
		(0, 90)	(0, 0)	(90, 0)		
48B	TXPR	0.009	0.008	0.008	3466.071	2.55
		(0, 90)	(0, 0)	(90, 0)		
49	TXPR	0.013	0.013	0.013	5486.700	2.36
		(0, 90)	(0, 0)	(90, 0)		
49B	TXPR	0.013	0.013	0.013	5492.753	2.35
		(0, 90)	(0, 0)	(90, 0)		
50	TXPR	0.017	0.016	0.016	7275.429	2.30
		(0, 90)	(0, 0)	(90, 0)		
51	TXPR	0.021	0.021	0.021	10035.519	2.10
		(0, 90)	(0, 0)	(90, 0)		
52	TXPR	0.024	0.024	0.023	12399.805	1.90
		(0, 90)	(0, 0)	(90, 0)		
53	TXPR	0.024	0.024	0.024	14248.672	1.70
		(0, 0)	(90, 0)	(0, 90)		
54	TXPR	0.028	0.028	0.028	15824.485	1.76
		(0, 90)	(0, 0)	(90, 0)		
57	TXPR	0.020	0.020	0.019	18547.708	1.09
		(0, 0)	(90, 0)	(0, 90)		
58	TXPR	0.022	0.022	0.021	17076.126	1.28
		(0, 0)	(90, 0)	(0, 90)		
59	TXPR	0.025	0.025	0.025	16052.242	1.58
		(0, 90)	(0, 0)	(90, 0)		
60	TXPR	0.025	0.025	0.025	13802.904	1.82
		(0, 0)	(90, 0)	(0, 90)		
61	TXPR	0.023	0.023	0.023	10930.651	2.11
		(0, 90)	(0, 0)	(90, 0)		

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
62	TXPR	0.029	0.029	0.029	15867.880	1.82
		(0, 90)	(0, 0)	(90, 0)		
63	TXPR	0.020	0.020	0.020	9486.392	2.15
		(0, 90)	(0, 0)	(90, 0)		
64	TXPR	0.018	0.018	0.018	8289.042	2.22
		(0, 90)	(0, 0)	(90, 0)		
65	TXPR	0.008	0.008	0.003	27495.406	0.29
		(0, 0)	(90, 0)	(0, 90)		
66	TXPR	0.017	0.015	0.015	6658.990	2.48
		(0, 90)	(0, 0)	(90, 0)		
67	TXPR	0.017	0.016	0.016	7010.809	2.45
		(0, 90)	(0, 0)	(90, 0)		
68	TXPR	0.019	0.018	0.018	8165.946	2.30
		(0, 90)	(0, 0)	(90, 0)		
69	TXPR	0.023	0.022	0.022	10343.885	2.21
		(0, 74)	(180, 16)	(90, 0)		
70	TXPR	0.024	0.024	0.024	11837.436	2.04
		(0, 90)	(0, 0)	(90, 0)		
71	TXPR	0.022	0.021	0.021	9898.497	2.18
		(0, 90)	(0, 0)	(90, 0)		
72	TXPR	0.020	0.020	0.020	18524.038	1.10
		(0, 0)	(90, 0)	(0, 90)		
73	TXPR	0.023	0.023	0.023	14439.802	1.63
		(0, 0)	(90, 0)	(0, 90)		
74	TXPR	0.023	0.023	0.023	11743.374	1.95
		(0, 90)	(0, 0)	(90, 0)		
75	TXPR	0.022	0.022	0.022	10618.338	2.06
		(0, 90)	(0, 0)	(90, 0)		
76	TXPR	0.019	0.018	0.018	8251.979	2.28
		(0, 90)	(0, 0)	(90, 0)		
77	TXPR	0.019	0.018	0.018	8136.826	2.31
		(0, 90)	(0, 0)	(90, 0)		
78	TXPR	0.035	0.029	0.028	16755.263	2.10
		(305, 79)	(181, 6)	(90, 9)		
79	TXPR	0.043	0.042	0.042	22211.306	1.95
		(344, 73)	(180, 16)	(89, 4)		
80	TXPR	0.054	0.054	0.054	29785.930	1.82
		(0, 90)	(0, 0)	(90, 0)		

1101205 USGS-HIDALGO-WILLACY COUNTY *** GROUND SURVEY FILE ***
HORIZONTAL - NAD 83/07 UTM ZONE 14
VERTICAL - NAVD88 METERS

STATION	EASTING	NORTHING	ELEVATION
1	581691.072	2940058.222	28.130
2	586333.845	2938287.905	21.096
3	586730.506	2933413.500	26.973
4	573207.515	2928035.320	51.418
5	579596.711	2927043.372	34.087
6	593052.026	2924976.614	23.383
7	598505.309	2925368.079	19.434
8	599173.643	2930509.010	15.310
9	596590.061	2916393.475	19.296
10	589236.537	2918127.351	29.723
11	585768.223	2919929.596	25.923
12	586545.553	2925449.334	25.474
13	586449.753	2931718.008	23.296
14	597543.778	2917082.401	20.304
15	603069.276	2918637.638	19.238
16	604051.650	2922598.011	17.160
17	612007.481	2918902.186	14.659
18	602253.864	2915084.897	20.200
19	596980.771	2911328.141	25.115
20	595090.939	2912350.048	23.391
21	597764.247	2921120.457	21.341
22	568331.748	2928889.433	67.316
23	564233.915	2928635.050	82.589
24	563640.160	2924630.494	82.500
25	567503.778	2921997.220	63.148
26	566841.569	2917908.178	59.100
27	566544.256	2915069.335	57.252
28	565828.592	2911338.521	53.893
29	564628.767	2907779.944	53.722
30	568866.550	2909941.022	48.666
31	568400.516	2915818.264	52.300
32	568107.178	2944874.005	56.853
33	565907.898	2946333.500	63.649
34	563535.589	2943876.127	74.089
35	562706.982	2937993.109	86.002
36	561257.895	2933309.375	97.529
37	558871.315	2929451.151	101.278
38	570203.077	2944243.822	49.765
39	576597.906	2942380.514	33.355
40	587554.273	2940541.986	22.194
41	588094.018	2943879.153	21.786
42	588568.103	2946788.641	20.377
43	587891.336	2950530.255	24.591
44	588595.160	2954614.572	24.453
45	589065.992	2957847.619	23.195
46	589651.627	2961701.919	19.164
47	581884.663	2901619.131	32.121
48	580410.326	2902433.677	32.949
48B	580423.176	2902442.405	33.020
49	579922.063	2904403.895	32.922
49B	579903.962	2904406.424	32.900
50	579781.738	2906196.136	32.853
51	580241.902	2909029.044	30.087
52	580509.763	2911411.418	29.032
53	580943.106	2913269.143	27.616
54	575448.472	2913839.837	37.570

55	580423.176	2902442.400	33.020
56	579903.963	2904406.414	32.900
57	584708.957	2917191.426	25.783
58	585088.565	2915598.037	26.909
59	589822.638	2912426.829	24.270
60	589516.458	2909878.891	24.892
61	589776.727	2905529.310	27.208
62	593534.858	2908741.778	22.299
63	585413.191	2907417.009	28.939
64	584791.920	2906391.002	29.623
65	587830.169	2925648.809	20.403
66	576219.459	2903661.677	36.238
67	576229.434	2904163.119	35.792
68	576595.937	2905901.062	34.083
69	576046.389	2908104.079	33.859
70	577335.815	2910278.436	31.375
71	578210.972	2908520.410	31.617
72	584431.470	2917221.854	25.987
73	584087.692	2913125.395	27.621
74	583457.421	2910503.844	29.595
75	582706.388	2909501.390	28.820
76	577930.442	2906683.669	32.360
77	577436.844	2906339.306	32.612
78	575171.892	2914729.744	39.277
79	562731.513	2911651.045	61.841
80	554995.824	2913536.338	70.827
201	656464.511	2939702.477	0.994
202	657354.110	2936210.609	1.263
203	653742.920	2933611.191	3.272
204	650549.703	2932392.393	3.225
205	647283.860	2931447.969	4.309
206	642467.631	2930692.405	5.867
207	639826.305	2931124.748	6.527
208	622765.591	2942184.051	8.927
209	622415.638	2939203.260	12.148
210	622033.609	2935844.805	11.895
211	614765.670	2935421.351	9.261
212	613523.096	2933573.993	10.655
213	611517.858	2932342.276	11.843
214	604744.004	2934949.759	13.516
215	602396.740	2930198.784	14.868
216	621379.665	2913720.774	12.704
217	614144.536	2914659.696	13.709
218	616860.010	2914356.131	12.602
219	624565.411	2914259.724	11.337
220	627767.293	2915887.825	10.346
221	633049.427	2912646.373	9.052
222	632391.785	2917643.057	8.042
223	628899.365	2920740.478	8.994
224	621568.177	2920661.177	10.335
225	635563.882	2932324.760	5.850
226	629075.023	2935403.733	8.544
227	624278.929	2932895.555	9.294
228	620395.082	2934511.995	9.616
229	620228.311	2929613.550	9.624
230	619888.443	2926335.728	9.778
231	615004.331	2926225.424	12.282
232	608297.564	2926023.554	14.038
233	604277.514	2926642.480	14.688
234	601354.849	2928723.314	16.162

235	608254.041	2930681.394	12.039
236	613601.357	2922913.989	12.158
237	616792.372	2918961.013	11.664
238	620562.425	2917429.843	12.331
239	621213.685	2923871.821	9.762
240	627156.427	2929735.812	8.343
241	630716.078	2933145.689	6.855
242	636811.870	2934738.472	6.266
243	638775.381	2926898.899	5.841
244	644902.778	2922900.927	4.312
245	643614.889	2919736.732	4.969
246	647963.608	2918172.046	6.586
247	642181.154	2910856.373	6.304
248	642093.282	2914287.064	6.094
249	664543.205	2940550.439	-0.013
250	665188.824	2939070.401	-0.025
251	665722.703	2932924.265	0.083
252	667171.231	2929400.545	0.021
253	632188.214	2928228.618	7.669
254	628924.224	2926548.733	9.254
255	627813.645	2922337.906	9.480
256	627752.424	2916692.227	9.935
257	633980.636	2919243.569	7.184
258	637970.719	2923410.968	6.507
259	642397.982	2921363.195	5.255
260	641054.685	2919206.762	5.207
261	641042.574	2917022.539	5.491
262	637200.584	2914352.277	6.781
263	622762.966	2928785.331	9.010
264	622510.206	2931931.886	10.476
265	619788.109	2932044.560	10.161
266	619920.838	2923068.993	10.941
267	616763.771	2921376.125	11.502
268	616681.163	2924601.250	11.574
269	616609.951	2927908.403	11.323
270	616606.167	2930700.100	11.635
271	628772.662	2928084.814	8.688
272	632409.622	2924552.525	7.509
273	632334.184	2921152.283	7.709
274	630759.125	2919203.262	8.158
275	630792.442	2915957.990	8.932
276	627794.347	2912564.958	10.042
277	624532.690	2917478.372	11.183
278	621318.820	2917434.877	13.483
279	613658.104	2917464.194	12.901
280	613611.475	2921533.715	12.101
281	613565.039	2924536.703	12.314
282	622444.081	2924689.920	8.940
283	624483.293	2922321.367	9.318
284	624805.088	2926447.831	8.613
285	622461.285	2926387.156	9.495
286	623145.459	2928423.119	8.365
287	622535.736	2928985.373	9.450
288	621576.485	2926422.713	9.772
289	620747.493	2923880.404	9.415
290	620741.763	2921894.203	10.520
291	620631.824	2920079.483	11.328
292	620577.887	2916246.868	12.123
293	620692.627	2915016.581	11.410
294	621365.122	2915806.140	11.763

295	623819.657	2915848.809	11.324
296	627754.026	2916257.599	10.375
297	627753.149	2917984.819	9.797
298	627731.672	2920131.603	9.001
299	628921.712	2922240.613	9.165
300	628897.044	2924642.593	8.389
301	629238.435	2926557.272	9.147
302	628769.285	2928794.360	7.987
303	632200.249	2929629.603	7.058
304	625273.662	2929712.287	9.152
305	622172.150	2936835.028	11.307
306	622526.146	2929748.397	8.862
307	622798.304	2942392.191	9.028
308	622683.306	2941179.609	10.719
309	622449.098	2939153.630	12.263
310	622348.992	2938295.807	11.368
311	622096.218	2936140.780	11.565
312	621812.440	2933714.309	9.638
313	619539.378	2933697.970	10.220
314	616569.445	2934451.278	9.089
315	614931.438	2933614.581	10.306
316	615242.770	2930323.938	11.833
317	618207.216	2931155.446	10.233
318	629752.725	2932188.071	8.046
319	622680.049	2932660.574	9.932
320	619118.983	2914182.094	12.541
321	616844.585	2914435.236	12.413
322	616820.617	2916738.228	13.552
323	616169.841	2919631.097	12.067
324	616664.085	2925402.471	11.990
325	613389.964	2926226.635	11.357
101	571001.807	2928379.479	56.573
102	587512.000	2925688.734	22.881
103	568066.925	2944861.121	57.240
105	622172.145	2936835.021	11.306
1001	623426.603	2908741.153	12.106
1002	623437.189	2928500.661	9.284
1003	657324.079	2936243.996	1.815
1004	655791.138	2938283.068	2.757
25R B	587332.934	2925006.510	20.666
B 1408	621858.586	2934393.834	10.468
E 630RESET	564180.544	2947952.444	67.616
KVTX	609312.229	3047394.637	24.913
N 1408	622410.869	2910643.337	13.726
R 630RESET	578606.924	2941771.542	31.497
TXLR	455763.116	3043432.464	138.963
TXPR	580996.045	2899025.141	40.385
U 630RESET	582561.693	2939859.965	27.031

LIDAR FLIGHT LOG

ALTM

MISSION: QC2D111A | DATE: 2/1/11

PILOT: Robbie | OPERATOR: Jessica | AIRCRAFT: N7516Q

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN FREQ	SCAN ANGLE	PRF	ALT (m)	TIME START	TIME STOP	Laser Time	TZPK	REMARKS
1101205	[redacted]	[redacted]					1538	1543			static / 2 test strips
	119 W	145	23.3	19	50	2500	2209	2217			
	120 E	160	24.5				2221	2228			large tail wind, tough time keeping speed
	121 W	145	23.3				2233	2242			
	122 E	160	24.5				2250	2258			
	123 W	145	23.3				2303	2312			
	124 E	160	24.5				2315	2323			
	125 W	150	23.7				2327	2336			
	126 E	160	24.5				2340	2348			
	127 W	150	23.7				2352	0001			
	128 E	160	24.5				0005	0013			
	129 W	150	23.7				0017	0026			
	130 E	160	24.5				0029	0038			
	131 W	150	23.7				0042	0051			
	x-flt N						0055	0058			
	132 E	160	24.5				0106	0114			
	x-flt S						0120	01			ALTM shut down lost swath again
							0141	0146			static
											Laser ON 01:58:19

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT SITE	AIRCRAFT FERRY	STATIC	START:	STOP:	NOTES:
1101205	199	14		4.0			2138	0146	
						[redacted]			

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LIDAR FLIGHT LOG

ALTM

1 of 2

MISSION: Q020511A | DATE: 2/5/11

PILOT: Robbie | OPERATOR: Jessica | AIRCRAFT: N7516Q

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN FREQ	SCAN ANGLE	PRF	ALT (m)	TIME -6 START	TIME -6 STOP	Laser Time	TZPK	REMARKS
1101205	2 test strips						1456	1501		0134	static
Texas	199 N	155	24	19	50	2500	1522	1527			
Hildago/	198 S	160	24.5				1530	1535			
Willacy	197 N						1539	1545			
	196 S						1548	1553			
	195 N						1557	1603			
	194 S						1606	1611			
	193 N						1616	1621			
	192 S						1624	1629			
	191 N						1633	1638			ALTM shut down
	190 S						1644	1649			
	189 N						1652	1658			
	188 S						1701	1706			
	187 N						1709	1714			
	186 S						1717	1722			
	185 N						1726	173			
	184 S						1735	1740			
	183 N						1743	1748			
	182 S						1751	1756			
	181 N						1800	1806			

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT SITE	AIRCRAFT FERRY	STATIC	START:	STOP:	NOTES: Laser ON time:
1101205	199	22	45	4.0			1456	1911	02:08:10
						WX			

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1:21:48 00:47:32

LIDAR FLIGHT LOG

cont.

2 of 2

MISSION: Q020511A | DATE: 2/5/11

PILOT: Robbie | OPERATOR: Jessica | AIRCRAFT: N7516Q

PROJECT NUMBER	LINE NO. & Hdg		GND SPEED (KTS)	SCAN FREQ	SCAN ANGLE	PRF	ALT (m)	TIME -6 START	TIME -6 STOP	Laser Time	TZPK	REMARKS
1101205	180	S	160	24.5	19	50	2500	1809	1813		0134	got way off line
	179	N						1817	1822			
	178	S						1826	1829			
	x-flt	E						1833	1837			
	~~180~~	~~N~~										~~reflight~~
	x-flt	W						1839	1847			
	180	S						1852	1856			reflight
								1306	1311			static

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT SITE	AIRCRAFT FERRY	STATIC	START:	STOP:	NOTES:
○									
○						WX			
○									

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LIDAR FLIGHT LOG

ALTM

MISSION: Q020511B | DATE: 2/5/11 | 1

PILOT: Robbie | OPERATOR: Jessica | AIRCRAFT: N7516Q

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN FREQ	SCAN ANGLE	PRF	ALT (m)	TIME START	TIME STOP	Laser Time	TZPK	REMARKS
1101205	2 test strips						2017	2022		0181	static
Texas USGS	133 W	150	23.7	19	50	2500	2043	2053			
Hidago/	134 E	160	24.5				2057	2106			
willacy	135 W	150	23.7				2110	2120			
	136 E	160	24.5				2123	2133			
	137 W	150	23.7				2137	2149			
	x-flt N	160	24.5				2152	2155			
	138 E	↓					2201	2213			
	x-flt S						2220	22			POS ~~[illegible]~~ lost
											all accuracy
											IMU status: Failure

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT SITE	AIRCRAFT FERRY	STATIC	START:	STOP:	NOTES:
● 1101205	199	6	39	2.3			2017		Laser ON time: 01:05:37
○						WX			
○									

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LIDAR FLIGHT LOG

ALTM

MISSION: Q020711 A | DATE: 2/7/11

PILOT: Nick | OPERATOR: Kramer | AIRCRAFT: N7516Q

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN FREQ	SCAN ANGLE	PRF	ALT (m)	TIME START	TIME STOP	Laser Time	TZPK	REMARKS
1101205	3 test strips						1650	1655		0134	static
Texas	177 W	140	22.9	19	50	2500	1711	1715			
Hildago	176 E						1719	1720			misfire
	176 E	160	24.5	19	50	2500	1725	1730			
	175 W	150	23.7				1736	1743			
	174 E	160	24.5				1746	1754			
	173 W	150	23.7				1759	1808			
	172 E	160	24.5				1812	1821			
	171 W	150	23.7				1826	1837			
	170 E	160	24.5				1841	1852			
	169 W	150	23.7				1857	1910			
	168 E	160	24.5				1913	1925			ALTM shutdown
	167 W	150	23.7				1931	1944			
	166 E	160	24.5				1947	1959			
	165 W	150	23.7				2003	2017			
	x-flight South						2024	2027			
	~~x-flight North~~										
	164 E	160	24.5				2038	2051			
	x-flight South						2058	2101			
							2115	2120			static

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT SITE	AIRCRAFT FERRY	STATIC	START:	STOP:
● 1101205	199	15	24	4.3			1650	2120
○						WX		
○								

NOTES: Laser ON time: 02:31:21

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LIDAR FLIGHT LOG

MISSION: Q021211A | DATE: 2/12/11

PILOT: Nick | OPERATOR: Brent | AIRCRAFT: N7516Q

ALTM

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN FREQ	SCAN ANGLE	PRF	ALT (m)	TIME START	TIME STOP	Laser Time	TZPK	REMARKS
1101205							1537	1542		0181	Static
Texas	2 test strips										
Hildago	164 W	160	24.5	19	50	2500	1600	1614			
	163 E	160	24.5				1618	1634			
	162 W						1639	1657			small cloud at west end ≈6000'
	161 E						1700	1708			Lost pilot display
	161 E						1719	1731			
	160 W						1735	1754			
	x-flt S						1803	1805			
	159 E						1813	1834			ALTM Shutdown
	x-flt N						1847	1850			
							1905	1910			Static

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT SITE	AIRCRAFT FERRY	STATIC	START:	STOP:
○ 1101205	199	6	19	3.5			1537	1910
○						WX	scattered clds @ 12,000 ft	
○								

NOTES: Laser on time: 1:52:29

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LIDAR FLIGHT LOG

MISSION: Q022111A | DATE: 2/21/11

PILOT: Nick | OPERATOR: Brent | AIRCRAFT: N7516Q

ALTM

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN FREQ	SCAN ANGLE	PRF	ALT (m)	TIME START	TIME STOP	Laser Time	TZPK	REMARKS
1101205							2157	2202		1111	Static
Texas	2 test strips										
Hildago	158 W	160	24.5	19	50	2500	2221	2243			
	157 E	160	24.5				2247	2309			
	156 W						2313	2335			
	155 E						2339	0000			
	154 W						0005	0026			
	x-flt S						0029	0030			
	153 E						0036	0057			
	x-flt S						0101	0103			
							0123	0128			Static

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT SITE	AIRCRAFT FERRY	STATIC	START:	STOP:	NOTES:
○ 1101205	199	6	14	3.5			2157	0128	Laser on time: 01:52:22
○						WX Haze			
○						Clouds on East End			

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LIDAR FLIGHT LOG

MISSION: Q022511A | DATE: 2/25/11

PILOT: Nick | OPERATOR: Brent | AIRCRAFT: N7516Q

ALTM

PROJECT NUMBER	LINE NO. & Hdg		GND SPEED (KTS)	SCAN FREQ	SCAN ANGLE	PRF	ALT (m)	TIME START	TIME STOP	Laser Time	TZPK	REMARKS
1101205								1806	1811		0134	Static
Texas	2 test strips											
Hildago	152	W	155	24	19	50	2500	1828	1850			
	151	E	160	24.5				1854	1914			
	150	W						1918	1940			
	149	E						1944	2004			
	148	W						2008	2029			
	147	E						2033	2053			
	x-flt	N						2059	2100			
	146	W						2107	2128			
	x-flt	S						2133	2135			
								2156	2201			Static

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT SITE	AIRCRAFT FERRY	STATIC	START:	STOP:	NOTES:
○ 1101205	199	7	7	4.0			1806	2201	Laser on time: 2:28:01
○						WX Haze			
○						Clouds along coast			

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LIDAR FLIGHT LOG

MISSION: Q022711A | DATE: 2/27/11

PILOT: Nick | OPERATOR: Brent | AIRCRAFT: N7516Q

ALTM

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN FREQ	SCAN ANGLE	PRF	ALT (m)	TIME START	TIME STOP	Laser Time	TZPK	REMARKS
1101205							2133	2138		0181	Static
Texas	2 test strips										
Counties	145 W	155	24	19	50	2500	2153	2213			
	144 E	160	24.5	|	|	|	2218	2237			
	x-flt S	|	|	|	|	|	2241	2243			
	x-flt N	|	|	|	|	|	2247	2248			
							2301	2306			Static

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT SITE	AIRCRAFT FERRY	STATIC	START:	STOP:	NOTES:
○ 1101205	199	2	5	1.5			2133	2306	Laser on time: 00:42:07
○						WX Haze			
○						Strong wind			

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LIDAR FLIGHT LOG

MISSION: Q022711B | DATE: 2/27/11

PILOT: Nick | OPERATOR: Brent | AIRCRAFT: N7516Q

ALTM

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN FREQ	SCAN ANGLE	PRF	ALT (m)	TIME START	TIME STOP	Laser Time	TZPK	REMARKS
1101205							2348	2353		0181	Static
Texas	2 test strips										
Counties	143 W	160	24.5	19	50	2500	0007	0027			
	142 E	160	24.5	|	|	|	0031	0050			
	141 W	145	23.3	|	|	|	0055	0116			ALTM NAV Shutdown
	140 E	160	24.5	|	|	|	0123	0142			
	xflt S	|	|	|	|	|	0145	0147			
	139 W	|	|	|	|	|	0152	0211			
	141 E	|	|	|	|	|	0215	0216			refly W End of line due
	xflt S	|	|	|	|	|	0219	0221			to ALTM Shutdown
							0241	0246			Static

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT SITE	AIRCRAFT FERRY	STATIC	START:	STOP:	NOTES:
○ 1101205	199	5	0	3.0			2348	0246	Laser on time:
○						WX Haze Scattered Clouds			01:21:43
○						Strong Wind			

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LIDAR FLIGHT LOG

ALTM

MISSION: Q030211A | DATE: 03/02/11

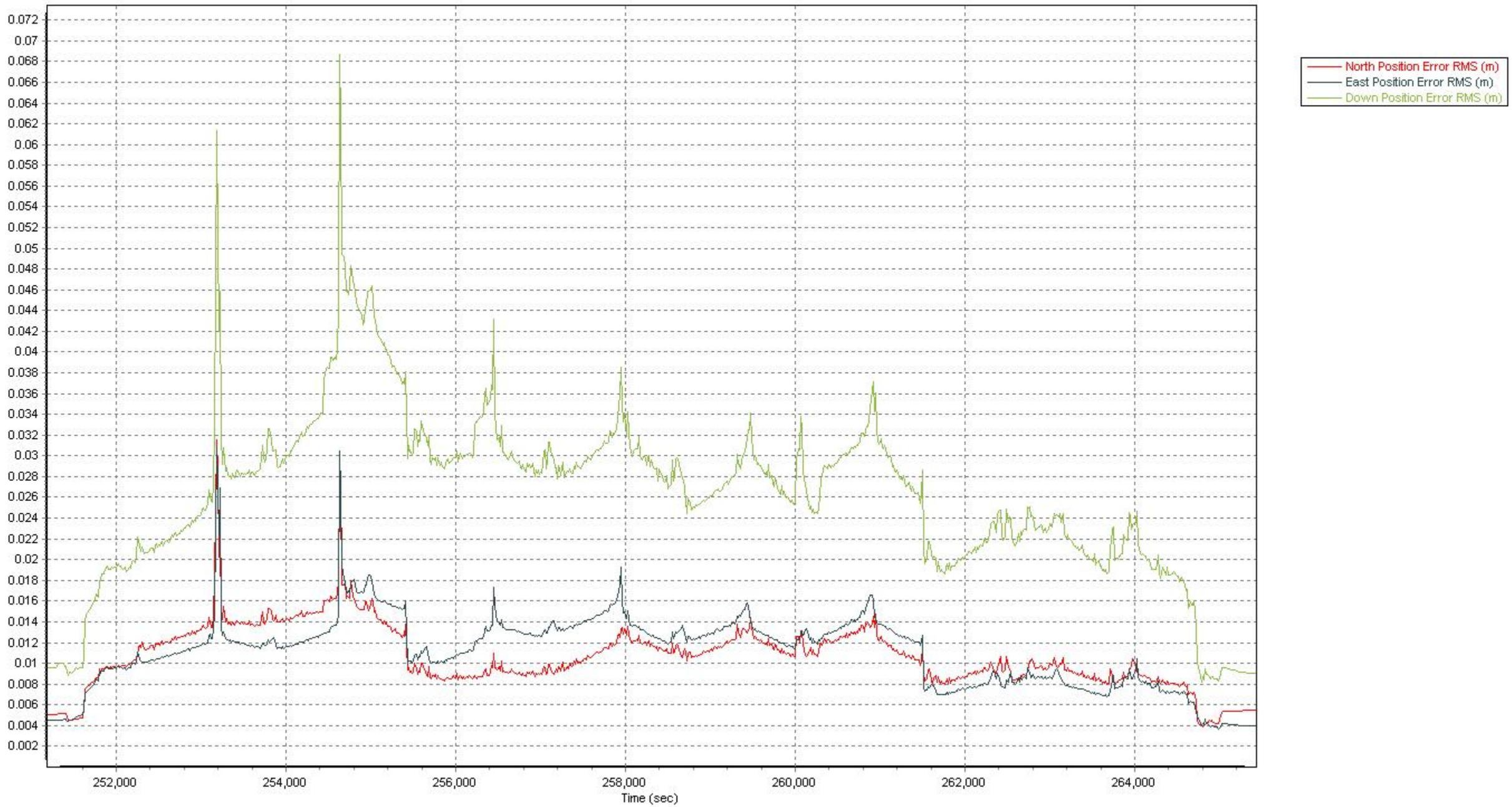
PILOT: Nick | OPERATOR: Brent | AIRCRAFT: N7516Q

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN FREQ	SCAN ANGLE	PRF	ALT (m)	TIME START	TIME STOP	Laser Time	TZPK	REMARKS
1101205							2058	2103		1111	Static
Texas	2 test strips	160	24.5	19	50	2500					
Counties	153 W	155	24.0	|	|	|	2117	2121			8 miles on East end
	x-flt S	160	24.5	|	|	|	2124	2125			
							2135	2140			Static

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT SITE	AIRCRAFT FERRY	STATIC	START:	STOP:	NOTES:
○ 1101205	199	1	0	0.75			2058	2140	Laser on time 00:04:58
○						WX Haze			
○									

Display - Mission 1 - Smoothed Performance Metrics, Reference Frame

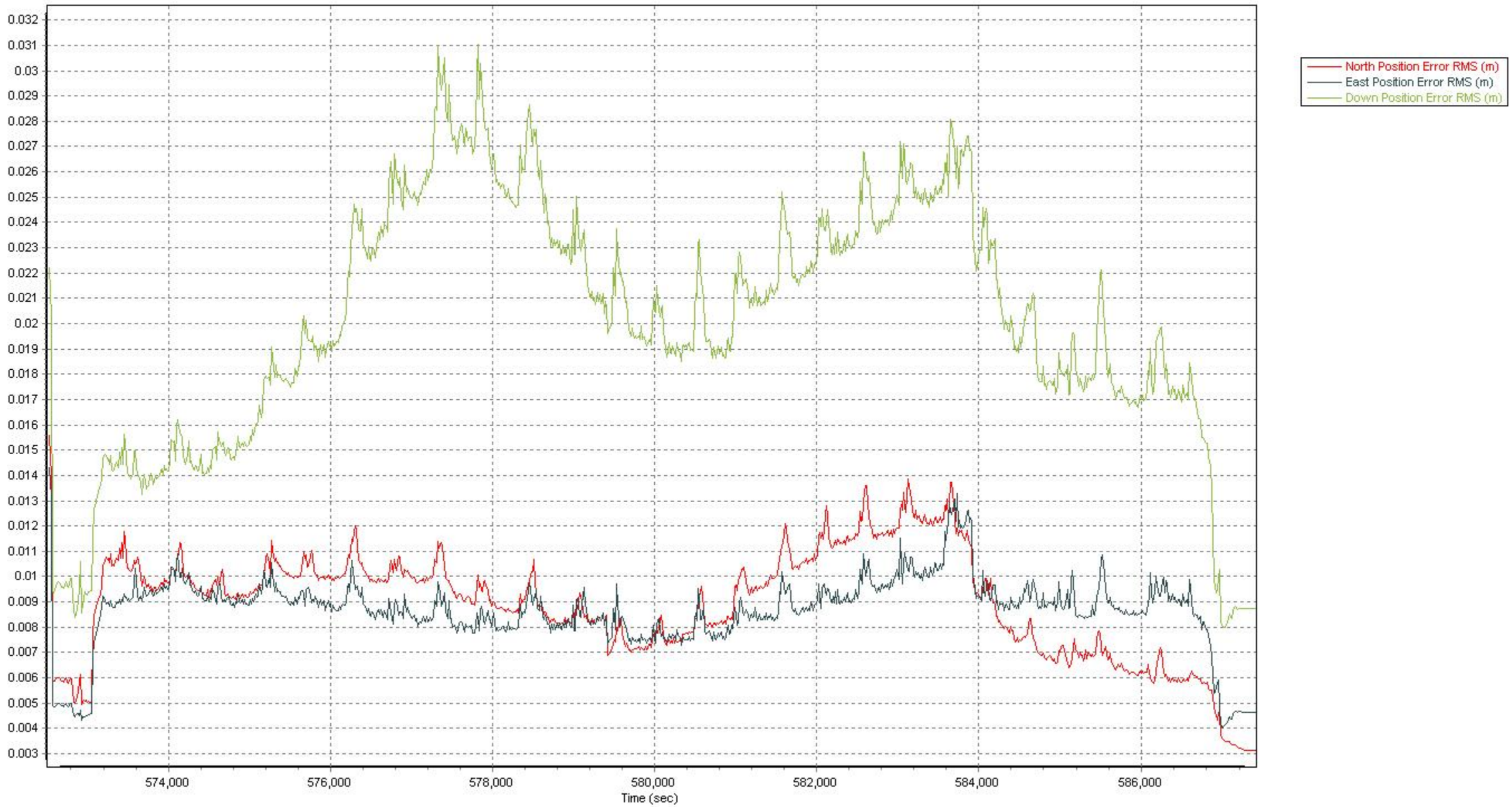
File Edit Tools View Help



Ready

Display - Mission 1 - Smoothed Performance Metrics, Reference Frame

File Edit Tools View Help



Ready

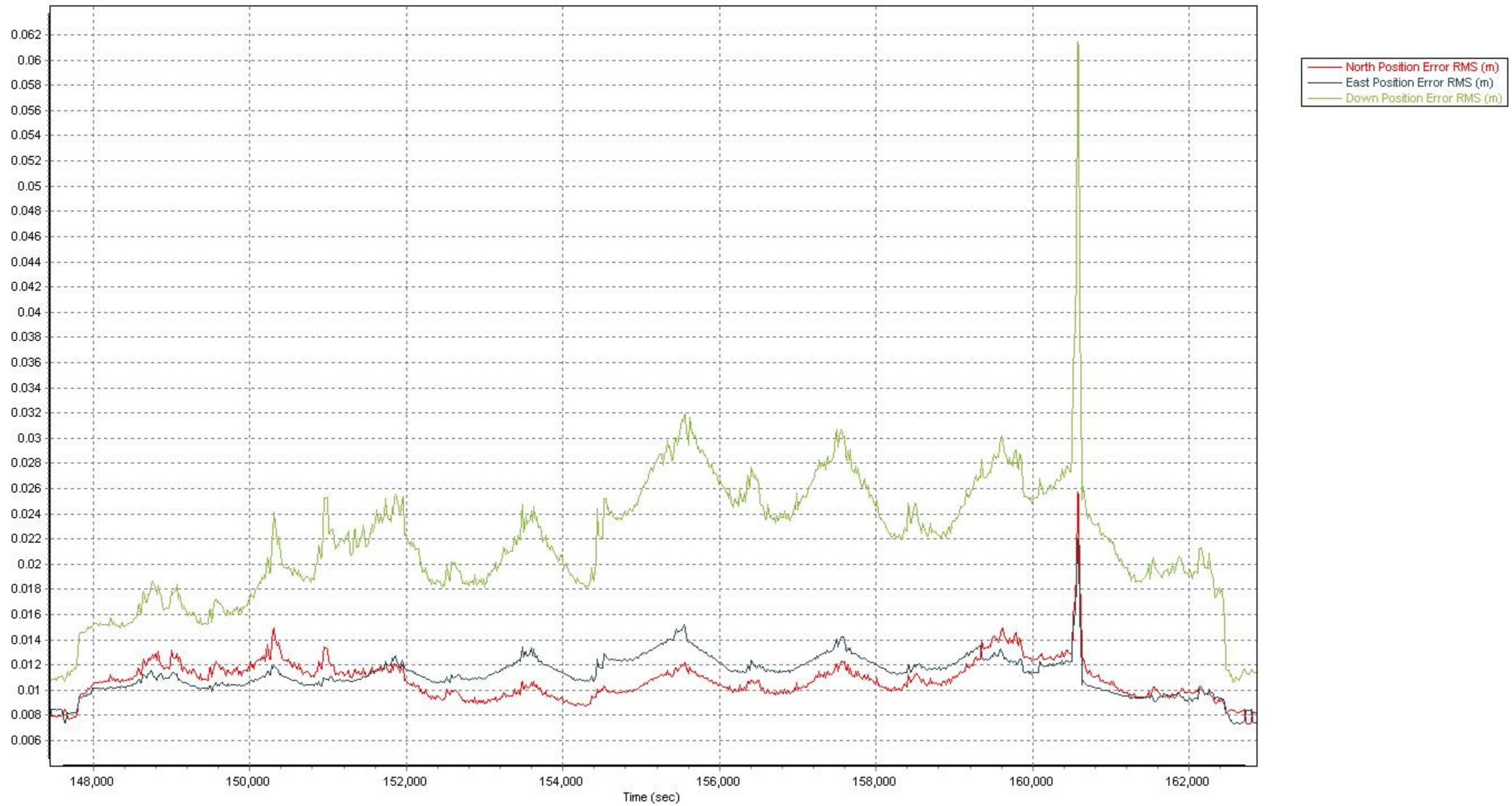
Display - Mission 1 - Smoothed Performance Metrics, Reference Frame

File Edit Tools View Help

Ready

Display - Mission 1 - Smoothed Performance Metrics, Reference Frame

File Edit Tools View Help



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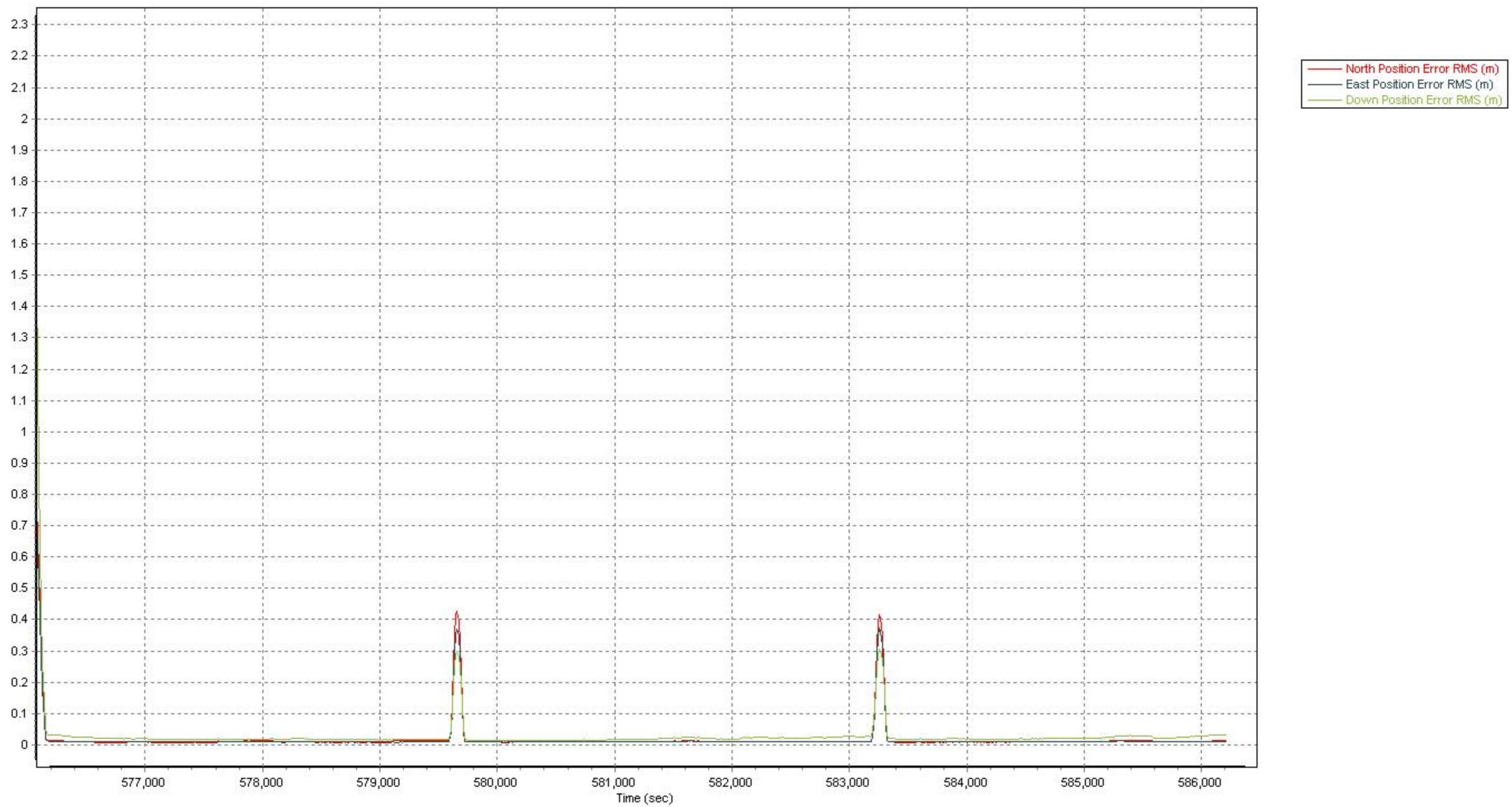
File Edit Tools View Help



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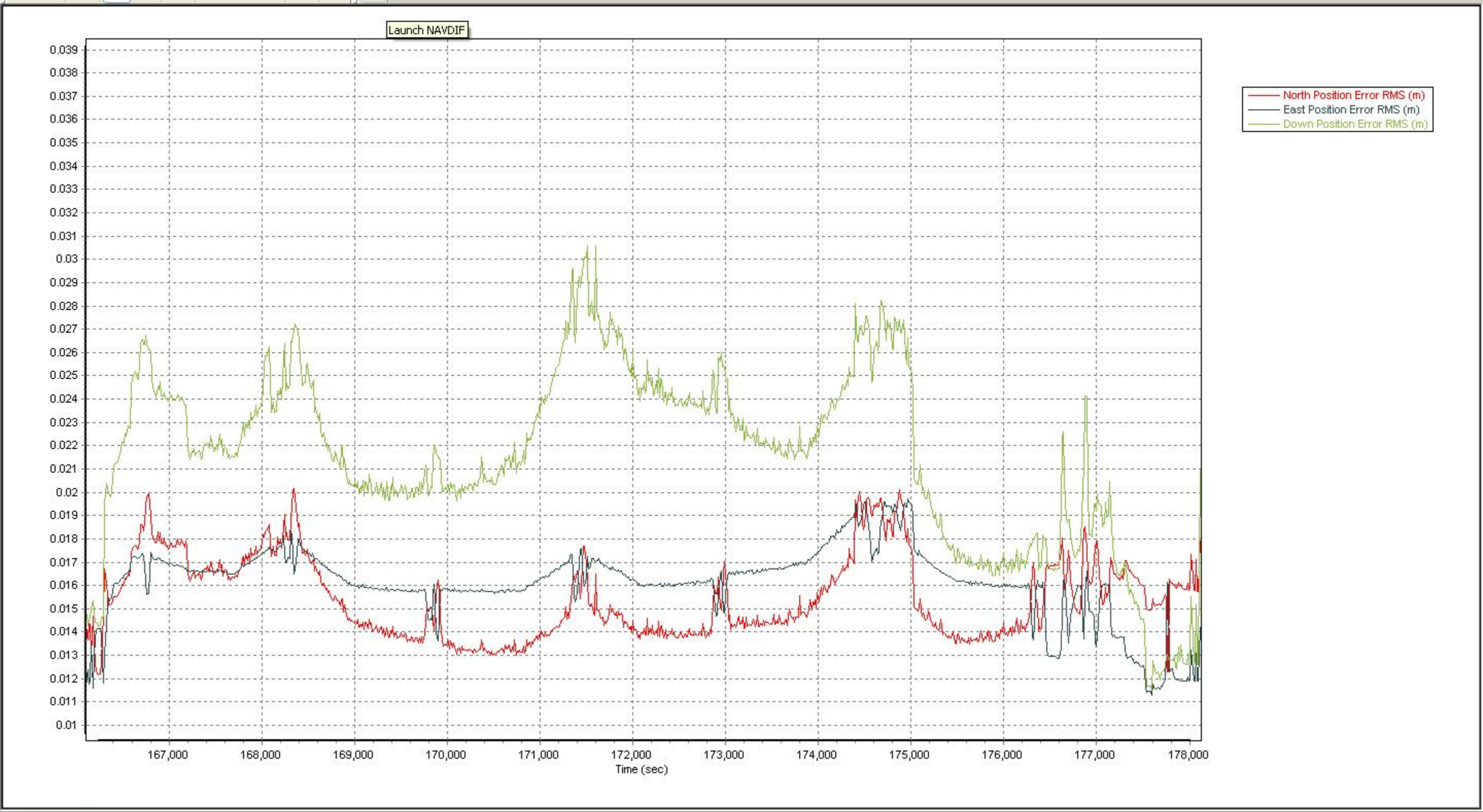
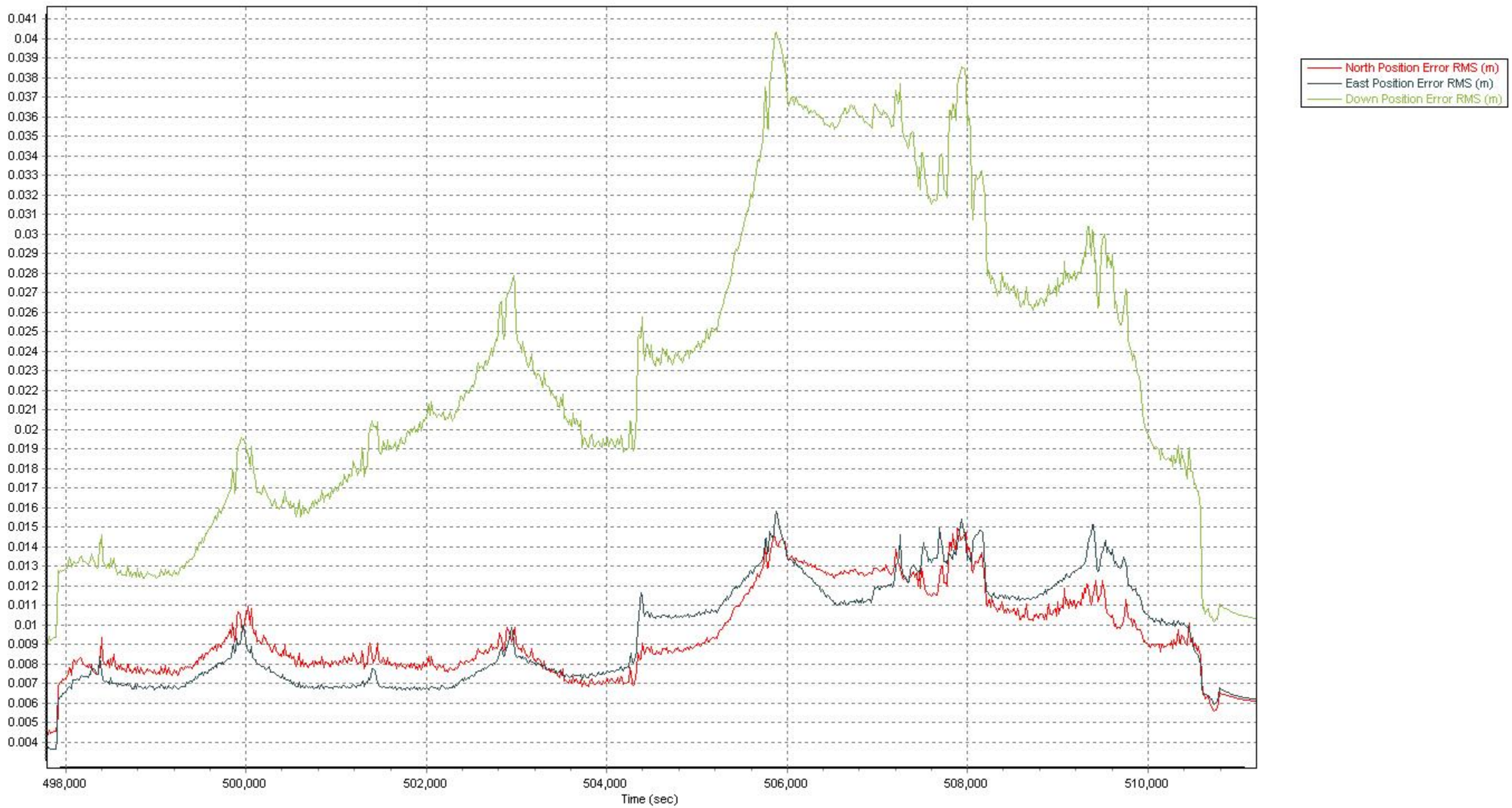
File Edit Tools View Help



Launch NAVDIF

Display - Mission 1 - Smoothed Performance Metrics, Reference Frame

File Edit Tools View Help



Ready

Display - Mission 1 - Smoothed Performance Metrics, Reference Frame

File Edit Tools View Help

Ready

start | 1101205_Hidalgo_Wil... | I:\DATA\1101205\11... | POSPac MMS - M0227... | M022511A_Harlingen... | Display - Mission 1 - S... | 11:05 AM

Display - Mission 1 - Smoothed Performance Metrics, Reference Frame

File Edit Tools View Help

Ready

start | 1101205_Hidalgo_Wil... | I:\DATA\1101205\11... | POSPac MMS - M0227... | M022511A_Harlingen... | Display - Mission 1 - S... | 11:05 AM

Display - Mission 1 - Smoothed Performance Metrics, Reference Frame

File Edit Tools View Help

Ready

start | 1101205_Hidalgo_Wil... | I:\DATA\1101205\11... | POSPac MMS - M0227... | M022511A_Harlingen... | Display - Mission 1 - S... | 11:05 AM

R:\1101205\Lidar\QAQC\Hidalgo\1101205_HIDALGO_UTM14m_ONLY_ground.txt

Number	Easting	Northing	Known Z	Laser Z	Dz
4	573207.515	2928035.320	51.418	51.550	+0.132
10	589236.537	2918127.351	29.723	29.630	-0.093
17	612007.481	2918902.186	14.659	14.660	+0.001
20	595090.939	2912350.048	23.391	23.270	-0.121
30	568866.550	2909941.022	48.666	48.520	-0.146
32	568107.178	2944874.005	56.853	56.880	+0.027
37	558871.315	2929451.151	101.278	101.360	+0.082
40	587554.273	2940541.986	22.194	22.260	+0.066
46	589651.627	2961701.919	19.164	19.270	+0.106
47	581884.663	2901619.131	32.121	32.110	-0.011
48B	580423.176	2902442.405	33.020	32.940	-0.080
49B	579903.962	2904406.424	32.900	32.840	-0.060
60	589516.458	2909878.891	24.892	24.750	-0.142
64	584791.920	2906391.002	29.623	29.540	-0.083
65	587830.169	2925648.809	20.403	20.400	-0.003
67	576229.434	2904163.119	35.792	35.750	-0.042
69	576046.389	2908104.079	33.859	33.810	-0.049
73	584087.692	2913125.395	27.621	27.570	-0.051
74	583457.421	2910503.844	29.595	29.490	-0.105
75	582706.388	2909501.390	28.820	28.740	-0.080
76	577930.442	2906683.669	32.360	32.220	-0.140
77	577436.844	2906339.306	32.612	32.540	-0.072
80	554995.824	2913536.338	70.827	70.830	+0.003

Average dz	-0.037
Minimum dz	-0.146
Maximum dz	+0.132
Average magnitude	0.074
Root mean square	0.086
Std deviation	0.079