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**Airborne GPS Survey Report For
United States Geological Survey
National Geospatial Technical Operations Center
1400 Independence Road
Rolla, Missouri 65401**

**Territory of Guam LiDAR
Contract ID G10PC00025
Task Order G11PD01189
Prepared by
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Aerometric Project No. 111105**



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United States Geological Survey
Territory of Guam LiDAR

LiDAR Task Order G11PD01189
Contract ID G10PC00025
Aerometric Project No. 1111105

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1 INTRODUCTION

This report contains a summary of the Light Detection and Ranging (LiDAR) data acquisition and processing for the project area to include the Territory of Guam. The United States Geological Survey (USGS) requires the LiDAR data to aid in analysis of land use, hydrologic, vegetation and recreational management.

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 high accuracy LiDAR data of the Territory of Guam for the USGS in accordance with requirements specified to produce such a dataset as outlined in contract ID G10PC00025 and as defined by United States Geological Survey National Geospatial Program Base LiDAR Specification, Version 13 (ILMF).

1.3 Project Locations

The Territory of Guam is an island at the south end of the Marianas island chain in the North Pacific Ocean. The project includes acquisition of the entire island, approximately 211 square miles (550 square kilometers). Item 3.a shows a graphic of the area of acquisition.

1.4 Time Period

Scheduled flight missions were frequently impeded by weather, (i.e. cloud cover). Numerous missions were logged over a period of one year to include the whole project area. See Item 3.a for a graphic of the acquisition.

LiDAR data acquisition for complete coverage of the project was acquired at intervals from January 18, 2012 to January 20, 2012, then February 18, 2012 to February 20, 2012, then December 18, 2012 to December 31, 2012 and January 4, 2013 to February 9, 2013. The flight logs can be found in Section 7 of this document.

Project data includes twenty-five (25) flight missions totaling four hundred thirty-four (434) flightlines.

1.5 Project Scope

Data collection was accomplished by the staff of AeroMetric, Inc. Multiple flights were required to collect LiDAR data coverage of the entire Territory of Guam.

As documented in the Task Order, collected data was to achieve a Fundamental Vertical Accuracy (FVA) of 24.5 (0.80 ft)cm at a 95% confidence level, from an RSME of 12.5 (0.41 ft) in the open terrain land cover category based on a Triangulated Integrated Network (TIN) of the LiDAR points. And to achieve the same values from Digital Elevation Models (DEM) derived from LiDAR data.

Consolidated Vertical Accuracy (CVA) is to achieve 36.3 cm (1.19 ft) at 95th Percentile based on the DEM.

Supplemental Vertical Accuracy (SVA) has a target for each of the ground cover category of 36.3 cm (1.19 ft) at 95th Percentile.

Ground cover categories are Bare Earth/Open Terrain, Urban, Tall Weeds, Brush, and Forest.

Section 5.6 contains the vertical accuracy assessment result values.

2 GEODETIC CONTROL

Field survey notes covering ground point collection are included in Section 10 of this document along with NGS data sheets and constrained adjustment sheets.

Ground survey was performed by AeroMetric, Inc under Task Order No. G11PD01563, and Contract No. G10PC00025 between February 29, 2012 and March 8, 2012. AeroMetric, Inc collected check points in various land cover categories for data calibration and vertical assessment analysis. Ground control check points are compared to airborne data. The comparison of vertical differences provides for calculation of vertical accuracies in the various land cover categories.

2.1 Network Scope

Base horizontal control for the check point surveys consisted of two NGS CORS stations: **GUAM** and **GUUG**.

Horizontal control is referenced to the Universal Transverse Mercator (UTM) Coordinate System – Zone 55, based on the World Geodetic System of 1984 (WGS84). Final coordinates are published in meters.

Base vertical control for the check point surveys consisted of four NGS First Order, Class II stations: **BEACH**, **GGN 0001**, **GGN 2205** and **YIGO GG**. The NGS Geoid Model GEOID09-GUAM was then applied to the computed ellipsoid heights that approximate the Guam Vertical Datum of 2004.

Vertical control is based on the Guam Vertical Datum of 2004 (GUV04).

NGS recovery sheets are located in Section 10 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). An adjustment was performed for analysis and quality closure holding the position and elevation of **GUAM** fixed, as shown below.

HORIZONTAL CLOSURES (in meters)

STATION	NORTHING	EASTING	LINEAR	DISTANCE	PROPORTION
GUUG	0.003	0.028	0.028	18682.7	1: 663000

VERTICAL CLOSURES (in meters)

STATION	ADJUSTED ELEVATION	PUBLISHED ELEVATION	DIFFERENCE	DISTANCE	ALLOWABLE 3 rd ORDER CLOSURE
BEACH	1.828	1.858	0.030	34307.2	0.070
GGN 0001	10.788	10.752	0.036	19233.1	0.053
GGN 2205	104.917	104.971	0.054	32942.5	0.069
YIGO GG	140.733	140.779	0.046	6148.7	0.030

*** Ellipsoid Height**

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. NGS vertical control station NCS was also observed, but not constrained as its position differed by more than 0.5m from published.

The final WGS84 horizontal network adjustment and the final GUV04 vertical network adjustment were computed separately due to their different datum ellipsoids.

3 LiDAR ACQUISITION AND PROCEDURES

3.1 Acquisition Time Period

LiDAR data acquisition and Airborne GPS control were completed on four occasions between January 2012 and January 2013. Data of four hundred thirty-four (434) flightlines, twenty-five (25) flight missions, are included in the project.

3.2 LiDAR Planning

The LiDAR data for this project was collected with aircraft operated by AeroMetric, Inc. The aircraft is equipped with LiDAR sensor systems as well as systems to collect GPS and IMU positioning data during flight. All flight planning and flights were completed using Optech ALTM-Nav, version 2.1.25b (flight planning and LiDAR control software). Plan version 5.97 in .pln files.

Acquisition parameters	
Flying Height (Above mean sea level)	450 - 600 m
Pulse Rate Frequency	70 kHz
Mirror Scan Rate Frequency	45 Hz
Scan Angle (degrees)	22°
Ground Speed	160 kts
Nominal Point Spacing/meter	1.0 m

Item 3.2 Acquisition details of flights.

3.3 LiDAR Acquisition

Data acquired from twenty-five (25) flight missions were utilized to provide project area coverage. The missions were flown using the values in the chart above in Item 3.2. A graphic of the acquisition missions or flight lines follow as Item 3.a. Section 7 contains the flight logs.

Optech Gemini sensors were used on board a Piper Navajo Twin. Airborne GPS and IMU position and trajectory data of the LiDAR sensor were also acquired during the time of flight.

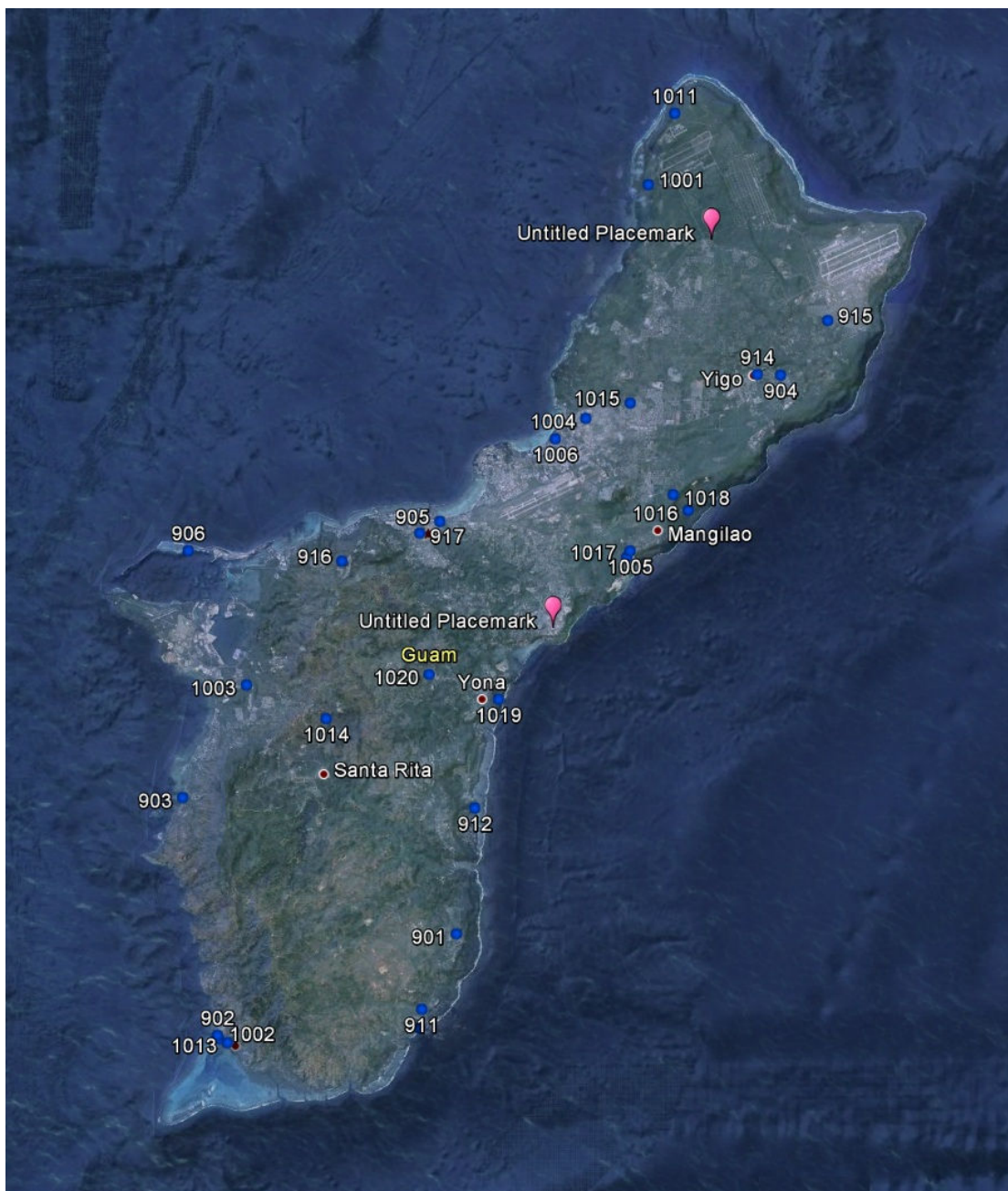
Missions were typically four to five hours long. Before take-off, the LiDAR system and the Airborne GPS and IMU system were initialized for a period of five minutes and in operation after landing for another five minutes. The missions acquired data according to the planned flight lines and included a 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.a Acquisition areas indicating flight lines relative to the surface.

3.4 LiDAR Trajectory Processing

Missions were processed using Continuously Operating Reference Stations (CORS) base stations. Flights utilized the two stations on the island: GUAM and GUUG. The GUAM station is near Potts Junction at the north end of the island. The GUUG station is at the University of Guam, in the central part of the island. Item 4.a illustrates locations of the CORS sites relative to the project area.



4.a Relative locations of collected ground survey check points used in calibration of data (blue points), and location of the CORS used, GUAM and GUUG (pink points).

4 QC SURVEYS

A field survey was performed by AeroMetric Inc between February 29, 2012 and March 8, 2012. One hundred fifty-three (133) check points were collected to be used to calibrate and evaluate airborne LiDAR data in various land coverage categories throughout the island of Guam. Locations of survey points used in calibration are illustrated in Item 4.a.

See Section 10 for further details of the ground survey control data.

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, was 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 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.

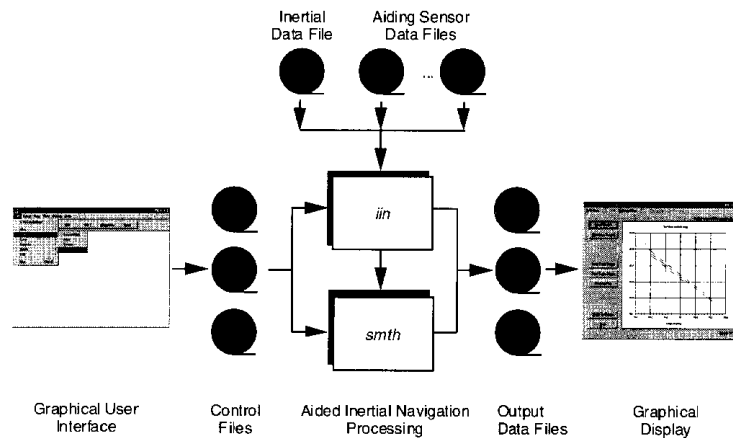
Once the analyst accepts a forward and reverse processing solution, the trajectory plot is analyzed and the combined solution is stored in a file format acceptable for the IMU post processor.

Please see Section 8 of the control report for the final accepted trajectory plots.

4. When the processed trajectory (either through POSGPS) data was 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 POS Proc. POS Proc comprises a set of individual processing interface tools that execute and provide the following functions:

The diagram below 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. *smth* 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 report outlines the calibration techniques employed for this project.

Calibration Procedures

All Companies involved in collection routinely performs two types of calibrations on its airborne 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 missions data. This calibration is performed to refine the system parameters that are affected by the on site conditions as needed.

System Calibration

The 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 main system parameters that are affected are the heading, pitch, roll, and mirror scale.

The system calibration is performed by collecting data over a known test site that incorporates a flat surface and a large, flat roofed building. A ground survey is completed to define the flat surface and the building corners. The processed LiDAR data and ground survey data is input into TerraSolid’s TerraMatch software to determine the systematic errors. The system parameters are then corrected according to the determined errors and used in the processing of future LiDAR acquisition missions

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 are imported, verified, and parsed into manageable, tiled grids using GeoCue version 2012.1.27.7. GeoCue allows for ease of data management and process tracking.

Relative accuracy of flightline to flightline alignment is assessed. Item 5.4.a illustrates relative vertical alignment of flightlines.

Green indicates a flightline comparison of less than 0.05 m;

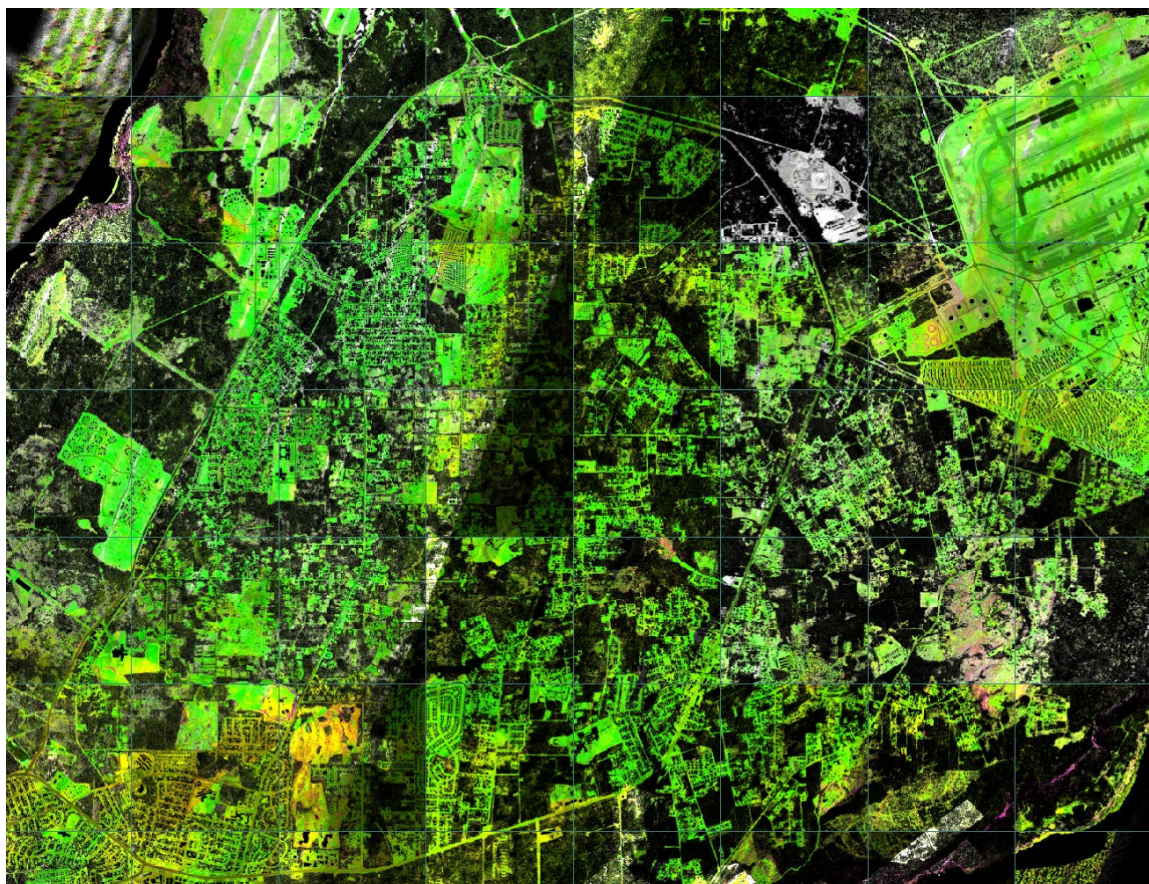
Yellow 0.05– 0.1 meters

Orange 0.1-0.15 meters;

Red 0.15-0.20 meters

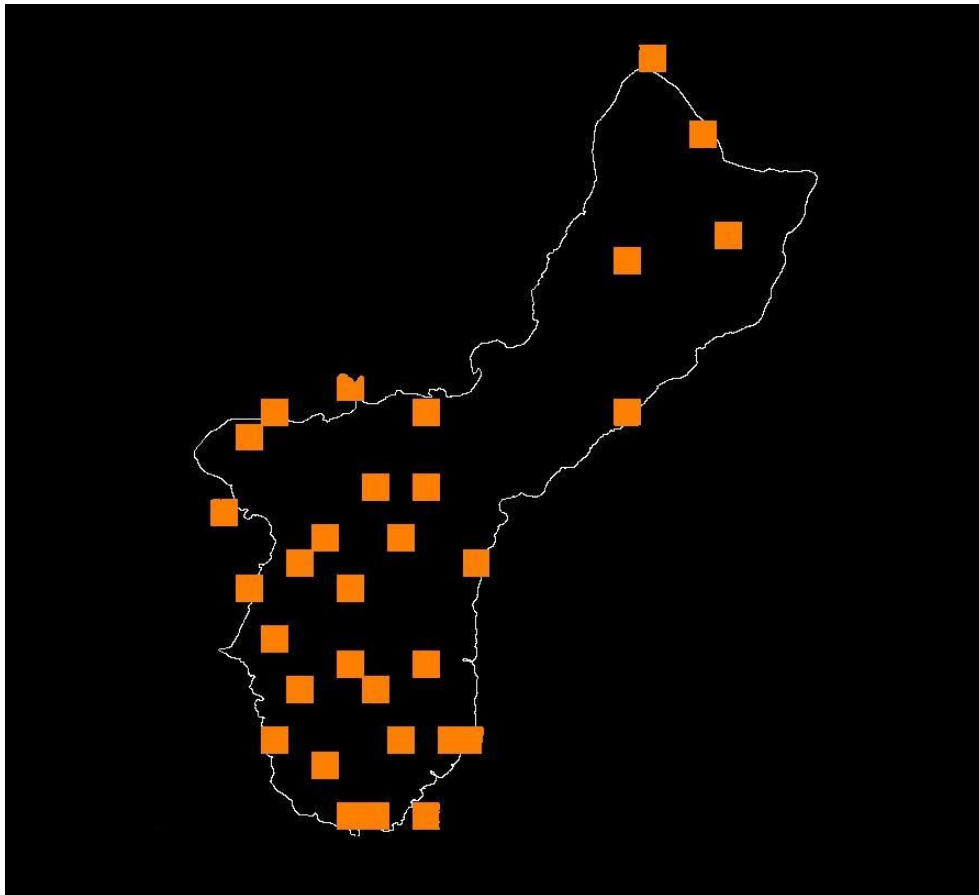
Magenta 0.20 meters or greater.

Areas containing dense vegetation coverage or inundation from water will show a greater elevation offset than is actually present in the ground data. This is due to these regions having a high number of returns from vegetation or non-ground objects and few returns from the ground causing the elevation offset to be exaggerated in the relative accuracy assessment procedure.



5.4.a Relative Accuracy assessment

A few tiles are evaluated to ensure that the desired point density has been met. Item 5.4.b illustrates tiles analyzed for point density. Aerometric utilizes proprietary software to complete this task. A grid, sized according to the USGS version 13 specifications, based on the nominal post spacing, is used for point analysis. The USGS version 13 specification allows that a grid size up to 2 times the nominal post spacing be used. Point density is analyzed on the basis of this grid space size or cell and the result indicates the point density of the sampled tiles.



5.4.b Locations of sampled tiles in point density analysis.

Thirty-one tiles were analyzed.

2.0 meter grid size/point spacing)

Total number of cells: 17348100

Total number of cells with one or more points: 16999941

Percentage of cells with 1 point or more: 97.99%

Once both the accuracy between swaths and data density is accepted an automated classification algorithm is performed using TerraSolid's TerraScan, version 013.011. This produces the majority of the bare-earth datasets. Further, the data is processed to classify specific vegetation classes and man-made structures.

The remainder of the data is classified using manual classification techniques. The majority of the manual editing involves changing points initially classified as ground (class 2), to unclassified or non-ground (class 1). Erroneous low points and high points, including clouds, are classified to Noise (class 7).

5.5 Check Point Validation

To ensure position of the assembled data it is verified against surveyed ground control data. TerraScan computes the vertical differences between surveyed ground control points and LiDAR collected points.

Check points are surveyed within the project area to provide calibration checks of the LiDAR point cloud. A report indicating comparative positional statistics is produced when LiDAR has been adjusted to control and can be found in Section 9, of this report.

Twenty-eight (28) ground check points were made across the project area to be used in adjusting the data to position. These twenty eight points were collected by AeroMetric, Inc as part of the one hundred thirty-three (133) control points collected for the project as described in Section 4, acquired from February 29, 2012 and March 8, 2012. Twenty-eight (28) survey points for Lidar calibration and twenty point (20) for the aerial photogrammetry in the project.

5.6 Vertical Accuracy Assessment

Vertical accuracy assessment is conducted by comparing ground survey check point z values to processed LiDAR data z values by horizontal proximity. Differences in z values are calculated to express an RMSEz value.

The Fundamental Vertical Accuracy (FVA) of the LAS data achieved 15.7 cm at a 95% confidence level with an RMSE of 8.0 cm utilizing twenty-one (21) Open Terrain ground survey check points compared to a Triangulated Integrated Network (TIN) of the LiDAR points.

FVA	Open Terrain	15.7 cm	(21) checkpoints
RMSE	Open Terrain	8.0 cm	

The Supplemental Vertical Accuracy (SVA) and Consolidated Vertical Accuracy (CVA) results are in the following table. Ground survey check points made in various ground cover categories are compared to Digital Elevation Models (DEM) derived from the LiDAR data.

FVA	Open Terrain	17.1	(21) checkpoints
CVA	All categories	21.8 cm	(105) checkpoints
SVA	Open Terrain	15.4 cm	(21) checkpoints
SVA	Urban	9.9 cm	(20) checkpoints
SVA	Tall Weeds	30.0 cm	(22) checkpoints
SVA	Brush	22.7 cm	(20) checkpoints
SVA	Forest	15.2 cm	(22) checkpoints

See Section 10 for details of the ground survey control data.

5.7 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 2 gigabytes.

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

- LAS, version 1.2 in 1500 meter grid
- GPS times adjusted to GPS Absolute
- Classification scheme:
 - 1 – Processed, but unclassified
 - 2 – Bare Earth, Ground
 - 3 – Low Vegetation
 - 4 – Medium Vegetation
 - 5 – High Vegetation
 - 6 – Building
 - 7 – Noise (Low or High, Manually identified, if needed)
 - 9 – Water
 - 10 – Ignored Ground (Breakline proximity)

Deliverables:

Break line polygons are collected in a Microstation environment to the project specifications using heads up and stereo techniques for collection of drainage and hydro features. They are checked for QC/QA. Upon acceptance the breaklines, either polygons or lines, are translated into ARC and imported to the final geo-database as separate features in ESRI standard.

Ground survey point locations in ESRI shapefile format.

Calibrated LiDAR points as full swaths per flightline.

Classified points as LAS following the standard established by The American Society for Photogrammetry and Remote Sensing (ASPRS) for LAS data on a per tile basis.

Bare earth Digital Elevation Models (DEM), hydro flattened on a per tile basis.

Intensity raster images are produced from all points through GeoCue.

Road center lines of major roads (surfaced and marked), as an ESRI shapefile.

Forest canopy (major areas of dominant cover), as an ESRI shapefile

Building foot prints (structures over 10 square meters), as an ERSI Shapefile

5.8 Conditions Affecting Final Data

Rapid cloud development and frequently changing weather conditions caused numerous interruptions and delays in planned flight missions. Missions were attempted at different intervals during the dry season from December through February in 2012. Further missions were required in 2013.

Flight missions and multiple flightlines were made at various times. The perceived shoreline in the data along the coast will vary with season and tidal influence. Shorelines are adjusted to reduce and to smooth the transition across flightlines and indicate a more predictable shoreline.

Much of the vegetation has no 'leaf off' period. This dense vegetation layer can reduce the quantity of 'ground returns' which can affect data accuracy in that area.

6 CONCLUSION

Sound procedures and use of new technologies ensure this project data will serve the United States Geological Survey and all users of the provided LiDAR derivative products well into the future. The models produced are accurate and representative of surface conditions at the time of data acquisition on Guam.

7 FLIGHT LOGS

LIDAR

~~DMC~~ FLIGHT LOG

DATE: 01-17-12

TIME ZONE: 01-18-12

PILOT: NOKANA		OPERATOR: PACE		APC:		GPS:			
C.F.L. 120.00		AIRCRAFT: 3949W		DMC #		P.O.S.		SCSI:	
PROJECT NUMBER & MDB NAME	LINE NO. & DIR.	IMAGES PLANNED	IMAGES LEFT	IMAGES TAKEN	PLANNED AGL & FOL	TIME		EVENTS	REMARKS
						START	STOP		
11110 ^{GUAM} LIDAR S									DEPART GUAM 2968.2 FERRY LAND TINIAN 2969.0 DEPART TINIAN 2969.0 LAND Saipan 2969.2 ✓
11110 ^{GUAM} LIDAR S							(01-17-12)		2970.0 GUAM STATIC DEPART MO11712A STATIC LAND GUAM 2970.6
11110 ^{GUAM} LIDAR S							(01-18-12)		2970.6 DEPART GUAM STATIC MO11812A STATIC
TEST X2							0817	0821	
26 S							0835	0836	
25 N							0842	0845	
24 S							0850	0854	
X-FLIGHT EAST							0859	0903	
23 NORTH							0908	0912	
							0915	0918	PARTIAL 'NEED LAST NORTH 2 MILES
							0940	0943	STATIC LAND GUAM 2971.7 LOT: 00:18:14
JOB #	IMAGES	AIRCRAFT		JOB #	IMAGES	AIRCRAFT		WX:	NOTES:
SITE	FERRY	SITE	FERRY	SITE	FERRY	SITE	FERRY		
○ 01-17-12		-6		○					
○ 01-18-12			1.0	○					
○ 01-18-12		1.1		○					

Ticket #3947



PILOT:		OPERATOR:		APC:	GPS:
C.F.L. 120.00	AIRCRAFT:		DMC #	P.O.S.	SCSI:

DATE: 01-18-12

TIME ZONE:

PROJECT NUMBER & MDB NAME	LINE NO. & DIR.	IMAGES PLANNED LEFT	IMAGES TAKEN	PLANNED AGL & FOL	TIME		EVENTS	REMARKS
					START	STOP		
111108 ^{GUAM} LIDAR					1024	1028		STATIC DEPART GUAM 2971.7
TEST X2 ⁵					1038	1038		
23 S					1042	1045		PARTIAL, LAST SOUTHERN 1 MILE RE-FLY
12 N					1049	1051		
11 S					1055	1057		
10 N					1100	1102		
9 S					1106	1108		
8 N					1111	1114		
7 S					1117	1119		
6 N					1122	1124		
5 S					1127	1129		
X-FLIGHT E					1133	1135		
					1143	1146		LAND GUAM STATIC 2972.9
								LOT: 00:20:07

JOB #	IMAGES	AIRCRAFT		JOB #	IMAGES	AIRCRAFT		WX:	NOTES:
		SITE	FERRY			SITE	FERRY		
<input type="radio"/>	111108 ⁵	1-2		<input type="radio"/>					
<input type="radio"/>				<input type="radio"/>					
<input type="radio"/>				<input type="radio"/>					

Lidar



PILOT: NAKANA		OPERATOR: PACE			APC:		GPS:		DATE: 01-11-11		
C.F.L. 120.00		AIRCRAFT: 3949W		LIDAR- DMS-4 M		P.O.S.		SCSI:		TIME ZONE: 6PS	
PROJECT NUMBER & MDB NAME	LINE NO. & DIR.	IMAGES		IMAGES TAKEN	PLANNED AGL & FOL	TIME		EVENTS	REMARKS		
		PLANNED	LEFT			START	STOP				
111105 ^{GUAM} LIDAR	↑	↑	↑	↑	↑	0733	0737		STATIC DEPART GUAM 2972.9		
TEST X 2	↑	↑	↑	↑	↑	0746	0747		M011912A		
124 S	48	15	70	1200 M	150 KTS	0751	0754				
125 N	↑	↑	↑	↑	↑	0758	0801				
126 S	↑	↑	↑	↑	↑	0804	0808				
127 N	↑	↑	↑	↑	↑	0811	0815				
128 S	↑	↑	↑	↑	↑	0819	0822				
129 N	↑	↑	↑	↑	↑	0826	0829				
130 S	↑	↑	↑	↑	↑	0833	0836				
131 N	↑	↑	↑	↑	↑	0840	0843				
132 S	↑	↑	↑	↑	↑	0847	0850				
133 N	↑	↑	↑	↑	↑	0854	0858				
134 S	↑	↑	↑	↑	↑	0901	0904				
135 N	↑	↑	↑	↑	↑	0908	0911				
136 S	↑	↑	↑	↑	↑	0915	0919				
X-FLIGHT W:						0923	0924				
1 S	↑	↑	↑	↑	↑	0930	0933				
2 N	↑	↑	↑	↑	↑	0937	0940				
3 S	↑	↑	↑	↑	↑	0943	0946				
JOB #	IMAGES	AIRCRAFT		JOB #	IMAGES	AIRCRAFT		WX:			
SITE	FERRY	SITE	FERRY	SITE	FERRY	SITE	FERRY				
○ 111105 ^{GUAM}				○				NOTES:			
○				○							
○				○							

LIDAR

~~DMC~~ FLIGHT LOG



1 of

DATE: 01-20-12

TIME ZONE: GPS

PILOT: NAKANA		OPERATOR: PACE		APC:	GPS:
C.F.L. 120.00	AIRCRAFT: 3949 W	LIDAR DMC # M	P.O.S.	SCSI:	

PROJECT NUMBER & MDB NAME	LINE NO. & DIR.	IMAGES PLANNED	IMAGES LEFT	IMAGES TAKEN	PLANNED AGL & FOL	TIME		EVENTS	REMARKS
						START	STOP		
111105 ^{GUAM} LIDAR						0843	0847		STATIC DEPART GUAM 2975.4
TEST X 2						0903	0904		
6 S					1200M	0904	0907		
7 N						0911	0914		
8 S						0917	0921		
9 N						0924	0927		
10 S						0930	0934		
11 N						0938	0941		
12 S						0945	0949		
13 N						0952	0956		
14 S						1000	1003		
15 N						1007	1010		
16 S						1014	1018		
17 N						1022	1026		
18 S						1029	1034		
X-FLIGHT E:						1038	1039		
137 N						1045	1048		
138 S						1052	1055		
139 N						1059	1102		

JOB #	IMAGES	AIRCRAFT SITE	FERRY	JOB #	IMAGES	AIRCRAFT SITE	FERRY	WX:
<input type="radio"/> 111105 ^{LIDAR} _{GUAM}				<input type="radio"/>				
<input type="radio"/>				<input type="radio"/>				
<input type="radio"/>				<input type="radio"/>				

NOTES:

~~DMC~~ FLIGHT LOG



2 of
DATE: 01-20-12
TIME ZONE: GPS

PILOT: NAKANA OPERATOR: PACE APC: GPS:
C.F.L. 120.00 AIRCRAFT: 3949 W LIDAR DMC # M P.O.S. SCSI:

PROJECT NUMBER & MDB NAME	LINE NO. & DIR.	IMAGES		PLANNED AGL & FOL	TIME		EVENTS	REMARKS
		PLANNED	LEFT		TAKEN	START		
111105 GUAM LIDAR								M012012A
140 S				1200M		1106	1108	
141 N				↓		1113	1116	
142 S						1119	1122	
143 N						1136	1129	
144 S						1133	1136	
145 N						1140	1143	
146 S						1147	1151	
147 N						1155	1159	
148 S						1202	1207	
149 N						1210	1214	
150 S						1217	1221	
151 N						1224	1228	
X-FLIGHT W						1233	1234	
						1244	1247	
								LOT; 01:43.38

JOB #	IMAGES	AIRCRAFT SITE	FERRY	JOB #	IMAGES	AIRCRAFT SITE	FERRY	WX:	NOTES:
<input type="radio"/> 111105		3.8		<input type="radio"/>					
<input type="radio"/>				<input type="radio"/>					
<input type="radio"/>				<input type="radio"/>					

FEB-13-2012 12:31 From: To: 18882536695 P. 5/12

LIDAR MISSION LOG

AIRCRAFT	N3949W	PILOT	Rivera	ALTM TYPE	
DATE	2/18/12	OPERATOR	Smith	BASE STATIONS	m49w021812A
JULIAN DAY		STRIPLOG			
PAGE NO.	of	HARDDRIVE			

PROJECT NO.	LOCATION	TIME	HOBBS	REMARKS
111105			982.8	m49w021812A
		11:40		Static start
		11:45		Static end
		12:23		Test strip
	1235	12 26		(possible RF)
	122N	12 30		
	121S	12 36		
	120N	12 41		
	119S	12 44		
	118N	12 48		
	117S	12 53		
	116N	01 03		
	115S	01 07		
	114N	01 12		
	113S	01 17		
	112N	01 25		
	111S	01 30		
	110N	01 35		

ATMOSPHERE	C	PC	OC	HAZE	WX REMARKS
------------	---	----	----	------	------------

PROJECT NO.	FLIGHT TIME		PROJECT NO.	FLIGHT TIME		PROJECT NO.	FLIGHT TIME	
	SITE	FERRY		SITE	FERRY		SITE	FERRY

Anchorage

Toll Free 1-866-247-6277
Fax (907) 274-3265

LIDAR MISSION LOG

MAR-19-2012 10:09 From:

AIRCRAFT N3949W	PILOT Rivera	ALTM TYPE
DATE 2/20/12	OPERATOR Smith	BASE STATIONS
JULIAN DAY M49022012A	STRIPLOG	
PAGE NO. of	HARDDRIVE	

PROJECT NO.	LOCATION	TIME	HOBBS	REMARKS
	M49W022012A		985.8	
		0424		static start
	Guar 450	0430		static end
				Reset - POS FAILURE
		0431		static start
		0438		static end
	test strip	0449		
	01 N	0457		
	02 S	0459		
	03 N	0502		
	04 S	0506		
	05 N	0510		
	06 S	0512		
	07 N	0517		
	08 S	0520		
	09 N	0525		
	08 S	0528		ReFlight
	10 N	0533		line aborted POS FAILED - Power event
ATMOSPHERE C PC OC HAZE		WX REMARKS		

PROJECT NO.	FLIGHT TIME		PROJECT NO.	FLIGHT TIME		PROJECT NO.	FLIGHT TIME	
	SITE	FERRY		SITE	FERRY		SITE	FERRY

To: Fax

P. 6/8

Anchorage

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Fax (907) 274-3265

LIDAR MISSION LOG

(0137)

AIRCRAFT		PILOT		ALTM TYPE	
DATE 2/20/12		OPERATOR		BASE STATIONS	
JULIAN DAY		STRIPLOG			
PAGE NO. of		HARDDRIVE			

PROJECT NO.	LOCATION	TIME	HOBBS	REMARKS
	M49W022012B	0540	0547	Static start
		0545	0601	Static End
	190 S Test Strip	0600	0607	
	190 S		0609	
	191 N		0612	
	192 S		0616	
	193 N		0621	
	107N		0625	
	108S	0628	0630	
	109N		0632	
	110 S		0636	
	111 N		0640	
	112 S		0644	
	113 N		0648	
	114 S		0653	
	115 N		0659	
	116 S		0705	
	117N		0711	

ATMOSPHERE C PC OC HAZE WX REMARKS

PROJECT NO.	FLIGHT TIME	FLIGHT TIME	FLIGHT TIME
	SITE	FERRY	SITE FERRY

190-193 - 1077

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LIDAR MISSION LOG

AIRCRAFT		PILOT		ALTM TYPE	
DATE 2/20/12		OPERATOR		BASE STATIONS	
JULIAN DAY		STRIPLOG			
PAGE NO. of		HARDDRIVE			

PROJECT NO.	LOCATION	TIME	HOBBS	REMARKS
	M49W022012B			
	118S	0718		
	CROSSFLIGHT	0723		K2
	10N	0733		
	11S	0736		
	12N	0741		
	13S			
	Crossflight			
	144S	0754		NO CROSSFLIGHT ATC DICKS
	195N	0759		
	196S	0804		
	197N	0809		
	198S	0815		
	199N	0819		
	200S	0824		
	201N	0829		
	202S	0835		
	203N	0839		

ATMOSPHERE C PC OC HAZE	WX REMARKS
-------------------------	------------

PROJECT NO.	FLIGHT TIME		PROJECT NO.	FLIGHT TIME		PROJECT NO.	FLIGHT TIME	
	SITE	FERRY		SITE	FERRY		SITE	FERRY

LIDAR FLIGHT LOG

642-4455



MISSION: L121912A DATE: 12-19-12

PILOT: DUARTE OPERATOR: PACE AIRCRAFT: 49W

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN		PRF	ALT (m) Ft	TIME		Laser Time	TZPK	REMARKS
			FREQ	ANGLE			START	STOP			
111105 LIDAR			45	22	70		GPS	SMT			HOBBS 99.9
							0010	0013			DEPART GUM STATIC
	212 N	145				1500	0045	0048			
	211 S	145				1500	0053	0056			
	210 N	140				1600	0102	0105			60 + M OFFLINE POSS RE-FLY
	209 S	140				1600	0110	0113			RE-FLY
	209 N	145				1600	0119	0122			
	145 N	135				1500	0131	0133			
	144 N	135				1500	0145	0147			
	143 S	155				1500	0156	0157			
	142 N	130				1500	0203	0204			
	141 S	160				1580	0211	0213			
	140 N	130				1500	0220	0222			
											LAND GUM STATIC
							0231	0233			HOBBS 102.1

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT		STATIC	START:	STOP:	NOTES:
				SITE	FERRY				
<input type="radio"/>	111105	11		2.2					
<input type="radio"/>						WX			
<input type="radio"/>									

LIDAR FLIGHT LOG



MISSION: L122212A		DATE: 12-22-12									
LOT: ED		OPERATOR: PACE				AIRCRAFT: 49W					
PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN		PRF	ALT (m)	TIME		Laser Time	TZPK	REMARKS
			FREQ	ANGLE			START	STOP			
111105	GUAM		45	22	70						HOBBS 102.1
							0014	0017			DEPART GUAM STATIC
	210 N										ABORT/WIND/OFFLINE
	190 N	135				2300	0051	0056			OFFLINE 70M
	189 S						0				ABORT/OFFLINE
	189 S	140				2250	0108	0113			OFFLINE + 50M
	188 N	140				2300	0118	0123			
	187 S	140				2200	0127	0132			
	191 N	140				2300	0137	0142			
	192 S	145				2300	0147	0151			
	193 N	140				2200	0157	0202			
	186 S	145				2100	0207	0212			
	185 N	145				2400	0217	0222			CRAB/WIND!
	X-FLIGHT E	135				2300	0227	0230			
	X-FLIGHT W	170				2300	0232	0234			
							0248	0251			LAND GUAM STATIC
											LOT! 00:45:48
							0248				HOBBS 104.3
STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT SITE FERRY		STATIC	START:	STOP:	NOTES: WIND!		
111105		9		2.2							
						WX					

LIDAR FLIGHT LOG



MISSION: L1229/2A DATE: 12-29-12

PILOT: ED OPERATOR: PACE AIRCRAFT: 49W

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN		PRF	ALT (m)	TIME		Laser Time	TZPK	REMARKS
			FREQ	ANGLE			START	STOP			
111105	GUAM		45	22	70					008	DEPART GUAM 104.3
							0051	0055			STATIC SHUTDOWN
							0057	0059			STATIC SHUTDOWN
							0006	0009			STATIC
	194 S	135				2100	0027	0032			T48
	195 N	150				2100	0038	0042			
	196 S	140				2100	0047	0052			
	197 N	150				2000	0057	0101			
	198 S	145				2000	0106	0111			
	199 N	150				2000	0117	0121			
	200 S	140				2000	0126	0130			100' HIGH, TERRAIN / TURB
RE-FLY	X 201 N	150				1900	0135				100' HIGH, TERRAIN / TURB ABORT UN. WEATHER!! RAIN/WIND/STORM
	X-FLIGHT W	130				2300	0140	0143			LAND GUAM
							0152	0155			STATIC HOBBS 105.9
											LOS? 00135:36

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT		STATIC	START:	STOP:	NOTES: HIGH WINDS / TURB
				SITE	FERRY				
<input type="radio"/> 111105		7		1.6					
<input type="radio"/>						WX			
<input type="radio"/>									

LIDAR FLIGHT LOG



MISSION: L122612A DATE: 12.26.12

PILOT: ED OPERATOR: PACE AIRCRAFT: 49W

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN		PRF	ALT (ft)	TIME		Laser Time	TZPK	REMARKS
			FREQ	ANGLE			START	STOP			
111105 G4AM			45	22	70						DEPART GUM
							0716	0719			STATIC
	201 N	150				1800	0742	0746			1900' (+100' FOR TERRAIN)
	202 S	145				1900	0751	0755			TURB / HIGH WINDS
	203 N	145				1800	0801	0804			" "
	X-FLIGHT E	130				2000	0808	0810			" "
											RAIN / CLOUDS
											LAND GUM HOBBS 106.7
							0819	0822			STATIC
											LOT! 00:13:37

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT		STATIC	START:	STOP:	NOTES:
				SITE	FERRY				
<input checked="" type="radio"/> 111105 G4AM	✓	3	✓	8					
<input type="radio"/>						WX			
<input type="radio"/>									

LIDAR FLIGHT LOG

23



1

MISSION: L122912A DATE: 12.29.12

PILOT: ED OPERATOR: PACE AIRCRAFT: 49W

PROJECT NUMBER	LINE NO. & Hdg		GND SPEED (KTS)	SCAN		PRF	ALT (ft)	TIME		Laser Time	TZPK	REMARKS
				FREQ	ANGLE			START	STOP			
111105 Gnam				45	22	90					008	DEPART GWM 108.7
								0053	0056			STATIC
	176	N	135				1800	0119	0123			
	175	S	135				1800	0129	0134			
	174	N	135				1800	0138	0143			
	173	S	135				1800	0149	0153			
	172	N	135				1800	0158	0202			
	171	S	130				1800	0208	0212			
	170	N	130				1800	0217	0221			
	169	S	135				1800	0226	0231			
	168	N	135				1800	0236	0239			
	167	S	130				1800	0244	0248			
	166	N	135				1800	0252	0256			
	165	S	135				1800	0301	0304			
	164	N	130				1800	0309	0312			
	208	S	130				1700	0315	0318			+100' TERRAIN CLEARANCE/TURB
	207	N	140				1700	0322	0326			
	206	S	140				1800	0329	0333			
	205	N	150				1800	0337	0341			
	204	S	145				1800	0344				OFFLINE - RE-FLY

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT		STATIC	START:	STOP:	NOTES:
				SITE	FERRY				
<input checked="" type="radio"/>	111105 Gnam	/	23	/	3.8	<			
<input type="radio"/>									WX
<input type="radio"/>									

LIDAR FLIGHT LOG

7



MISSION: **L D10413A** DATE: **01-04-13**

PILOT: **ED** OPERATOR: **Pace** AIRCRAFT: **49W**

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN		PRF	ALT (m)	TIME		Laser Time	TZPK	REMARKS
			FREQ	ANGLE			START	STOP			
111105 <i>64M</i>			45	22	70						DEPART 64M HO085 113.3
							0007	0010			STATIC
	S 1	150				2000	0035	0039			
	N 2	135				2000	0043	0047			
	S 3	150				2000	0052	0056			
	N 4	140				2000	0101	0104			
	S 5	145				2000	0108	0112			
	N 6	140				2000	0117	0121			
	S A- 7	145				2000	0124	0128			
	N 8	135				1900	0135	0138			
	S 9	150				1900	0143	0147			
	10	140				1900	0151	0155			
	11	150				1900	0159	0203			
	12	140				1900	0208	0213			
	13	150				1900	0216	0221			
	14	140				1900	0226	0230			
	15	150				1900	0234	0238			
	16	140				1900	0244	0248			OFFLINE + 70m POSSIBLE RE-FLY
	17	150				1900	0252	0256			
	18	140				1900	0301	0306			

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT		STATIC	START:	STOP:	NOTES:
				SITE	FERRY				
<input checked="" type="radio"/> 111105 64M	—	22	✓	3.8					
<input type="radio"/>						WX			
<input type="radio"/>									

LIDAR FLIGHT LOG



2

MISSION: L010413A DATE: 01-04-13

LOT: ED OPERATOR: PACE AIRCRAFT: 49 W

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN		PRF	ALT (m)	TIME		Laser Time	TZPK	REMARKS
			FREQ	ANGLE			START	STOP			
11105 GUAM	19 S	150	45	22	70	1900	0309	/			OFFLINE - RE-FLY
	19 S	150				1900	0316	0320			
	20 N	140				1900	0326	0330			
	21 S	155				1900	0334	0338			
	22 N	145				1900	0345	0350			
	X-FLIGHT E	150				2000	0352	0354			
	X-FLIGHT E	190				1900	0359	0401			WEST X-FLIGHT UN-ABLE (TPR)
											LAND GUAM HOBOS 117.1
							0409	0412			STATIC
											LOT; 01:33:05

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

LIDAR FLIGHT LOG



1

MISSION: L010613A DATE: 01-06-13

PILOT: ED OPERATOR: Pace AIRCRAFT: 49w

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN		PRF	ALT (m)	TIME		Laser Time	TZPK	REMARKS
			FREQ	ANGLE			START	STOP			
111105 64AM			45	22	70					008	DEPART Gum HOBBS 117.1
							0646	0649			STATIC
	146 S	145				1600	0703	0704			
	147 N	150				1600	0708	0710			
	148 S	140				1600	0714	0715			
	149 N	145				1600	0719	0721			
	150 S	140				1600	0725	0727			
	151 N	145				1600	0731	0733			
	152 S	140				1600	0737	0739			POSSIBLE DROPS/RAIN
	X-FLIGHT W	165				2000	0742	0743			" "
											LOT: 00:09:17
											LAND Gum HOBBS 118.0
							0750	0753			STATIC

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT		STATIC	START:	STOP:	NOTES:
				SITE	FERRY				
<input checked="" type="radio"/> 111105 64AM	/	7	/	.9					
<input type="radio"/>						WX			
<input type="radio"/>									

LIDAR FLIGHT LOG



1

MISSION: L010713A DATE: 01-07-13

PILOT: Ed OPERATOR: PACE AIRCRAFT: 49W

PROJECT NUMBER	LINE NO. & Hdg		GND SPEED (KTS)	SCAN		PRF	ALT (m) FT	TIME		Laser Time	TZPK	REMARKS
				FREQ	ANGLE			START	STOP			
111105 Guam				45	22	70					0134	DEPART Guam HOBBS
								2239	2242			STATIC
	X 23	N	—				—	—	—			LAND / SHUTDOWN / LOST POS
L010713A								2308	2311			STATIC - RE-BOOT
	23	N	130				1900	2325	2329			DEPART GUM
	24	S	158				1900	2333	2337			
	25	N	135				1900	2341	2346			
	26	S	155				1900	2349	2353			
	A 27	N	130				1800	2358	0003			
	28	S	155				1800	0007	0011			
	A 29	N	130				1700	0015	0020			
	30	S	155				1700	0024	0028			
	A 31	N	130				1600	0032	0037			
	A X-FLIGHT E						1800	0040	0041			RAIN/CLOUDS
												LAND Guam HOBBS 119.6
								0048	0051			STATIC
												LOT: 00:34:38

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT		STATIC	START:	STOP:	NOTES:
				SITE	FERRY				
<input checked="" type="radio"/> 111105 Guam	✓	9	✓	1.6					
<input type="radio"/>									WX
<input type="radio"/>									

LIDAR FLIGHT LOG

14



1

MISSION: L01113A DATE: 01-11-13

PILOT: ED OPERATOR: PACE AIRCRAFT: 49W

PROJECT NUMBER	LINE NO. & Hdg		GND SPEED (KTS)	SCAN		PRF	ALT (ft)	TIME		Laser Time	TZPK	REMARKS
				FREQ	ANGLE			START	STOP			
111105 64AM				45	22	70					081	DEPART 64M HOBBS 119.6
								2318	2321			STATIC
	32	N	135				1500	2332	2337			
	33	S	150				1500	2341	2345			
	34	N	135				1500	2349	2353			
	35	S	150				1500	2353	0001			
	36	N	135				1500	0005	0006			
	37	S	150				1500	0011	0011			
	X-FLIGHT E		130				1700	0014	0017			
	38	S	170				1500	0024	0027			
	39	N	130				1500	0031	0036			
A	40	S	/				1600	0040	/			ABORT LINE / SKY DIVERS
A	40	S	170				1600	0047	0051			
	41	N	125				1700	0055	0000			
A	42	S	165				1700	0103	0107			
	43	N	130				1800	0111	0116			
	44	S	165				1800	0119	0122			
	45	N	130				1800	0127	0131			
	46	S	165				1800	0135	0138			
	47	N	135	↓	↓	↓	1800	0153	0158			
STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT		STATIC	START:	STOP:	NOTES:			
				SITE	FERRY							
111105 64AM	/	16	/	3.1								

LIDAR FLIGHT LOG



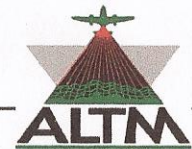
MISSION: **L011413A** DATE: **1-14-13**

PILOT: **ED** OPERATOR: **Doug C.** AIRCRAFT: **N3949W**

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN		PRF	ALT (m)	TIME		Laser Time	TZPK	chST / GPS	REMARKS
			FREQ	ANGLE			START	STOP				
111104							9:30	1000				GUM → SITE
Guam	TEST		45	22	70	—	0000	00—		008		TEST FIRE
	48 50	+/-150	45	22	70	2k	0000	0004				
	49 230	+/-145	45	22	70	1800	0008	0011				
	50 50	+/-150	45	22	70	2K	0015	0019				
	51 230	+/-155	45	22	70	+/-1750	0024	0027				
	52 50	+/-155				+/-1750	0031	0034				Good line / ATC Enstrvet vacate for jumpers
	53 230						0048	0051				
	54 50						0056	0059				
	55 230						0103	0106				
	56 50						0110	0114				
	CF →	NO JOY					0116	0117				CF / NO JOY!
	CF						0121	0123				CROSS FLIGHT
	57 30	+/-155	45	22	70	+/-1600	0135	0138		008		
	58 210						0146	0149				
	CF						0151	0152				CROSS FLIGHT
							1154	1212				SITE → GUM

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT		STATIC	START:	STOP:	NOTES:
				SITE	FERRY				
<input checked="" type="checkbox"/>	111104	226	11	88	1.9	.8			
<input type="checkbox"/>			138						Wx
<input type="checkbox"/>									

LIDAR FLIGHT LOG



J51

MISSION: L020213A		DATE: 2-2-13 SAT.				PILOT: CHRIS CHRIS		OPERATOR: JM			AIRCRAFT: N3949W		
PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN		PRF	ALT (m)	TIME		Laser Time	TZPK	REMARKS		
			FREQ	ANGLE			START	STOP					
111105	2 TEST						23:21	00:03	GAT	134	FERRY: GUAM → SITE .7		
GUAM	59 210	160	45	22	70	450	00:11	00:15					
	60 30						00:21	00:25					
	61 210						00:28	00:31					
	62 30						00:37	00:40					
	63 210						00:44	00:47					
	64 30						00:55	00:59					
	65 210						01:02	01:05					
	66 30						01:10	01:14					
	67 210						01:18	01:21					
	68 30						01:26	01:30					
	69 210						01:34	01:37					
	70 30						01:42	01:45					
	71 210						01:49	01:52					
	72 30						01:56	02:00					
	73 210						02:03	02:07					
	74 30						02:11	02:15					
	75 210						02:19	02:22					
	76 30						02:28	02:32					
	77 210						02:35	02:38			→ J52		
STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT		STATIC	START:	STOP:	NOTES: TURBULANT				
① 111105		23		SITE	FERRY	4.0	23:21	03:30					
○						WX	BKN 4K						
○													

LIDAR FLIGHT LOG



J51

MISSION: L020313A DATE: 2-3-13

PILOT: CHRIS OPERATOR: JIM AIRCRAFT: N3949W

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN		PRF	ALT (m)	TIME		Laser Time	TZPK	REMARKS
			FREQ	ANGLE			START	STOP			
111105							21:19	21:41	GMT	081	FERRY: GUN → SITE
GuAM	TEST						21:41	21:41			
	TEST						21:41	21:41			
	80 210	160	45	22	70	450	21:42	21:45			
	81 30						21:51	21:55			
	82 210						21:58	22:02			
	103 30						22:12	22:16			
	102 210						22:19	22:22			
	101 30						22:26	22:30			
	100 210						22:33	22:37			
	99 30						22:41	22:45			
	98 210						22:48	22:52			
	97 30						22:56	23:00			
	96 210						23:04	23:07			
	95 30						23:11	23:15			
	94 210						23:18	23:21			
	93 30						23:26	23:30			
	92 210						23:34	23:38			
	91 30						23:42	23:46			
17	90 210						23:50	23:53			→ J52

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT		STATIC	START:	STOP:	NOTES: MILD TURBULANCE
				SITE	FERRY				
⊙	111105	32		4.7	.6	5.3	21:19	02:35	
○						WIX	BRN 7500		
○									

LIDAR FLIGHT LOG



J52

MISSION: L020313A DATE: 2-3-13

PILOT: CHRIS OPERATOR: JM AIRCRAFT: N3949W

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN		PRF	ALT (m)	TIME		Laser Time	TZPK	REMARKS
			FREQ	ANGLE			START	STOP			
<u>111105</u>	<u>89 30</u>	<u>160</u>	<u>45</u>	<u>22</u>	<u>70</u>	<u>450</u>	<u>23:58</u>	<u>00:00</u>	<u>GMT</u>	<u>081</u>	<u>BREAK OFF DUE TO RAIN MID LINE</u>
<u>GUAM</u>	<u>89 30</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>00:08</u>	<u>00:48</u>	<u> </u>	<u> </u>	
	<u>88 210</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>00:15</u>	<u>00:18</u>	<u> </u>	<u> </u>	
	<u>87 30</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>00:22</u>	<u>00:26</u>	<u> </u>	<u> </u>	
	<u>86 210</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>00:30</u>	<u>00:33</u>	<u> </u>	<u> </u>	
	<u>85 30</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>00:38</u>	<u>00:42</u>	<u> </u>	<u> </u>	
	<u>84 210</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>00:45</u>	<u>00:48</u>	<u> </u>	<u> </u>	
	<u>83 30</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>00:53</u>	<u>00:54</u>	<u> </u>	<u> </u>	<u>BREAK OFF DUE TO TRAFFIC 1.5 MILES SW</u>
	<u>83 30</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>00:58</u>	<u>01:02</u>	<u> </u>	<u> </u>	
	<u>104 210</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>01:05</u>	<u>01:08</u>	<u> </u>	<u> </u>	
	<u>105 30</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>01:13</u>	<u>01:17</u>	<u> </u>	<u> </u>	
	<u>106 210</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>01:20</u>	<u>01:24</u>	<u> </u>	<u> </u>	
	<u>107 30</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>01:27</u>	<u>01:31</u>	<u> </u>	<u> </u>	
	<u>108 210</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>01:35</u>	<u>01:38</u>	<u> </u>	<u> </u>	
<u>30</u>	<u>109 30</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>01:44</u>	<u>01:47</u>	<u> </u>	<u> </u>	
	<u>110 210</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>01:50</u>	<u>01:53</u>	<u> </u>	<u> </u>	
	<u>111 20</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>01:58</u>	<u>02:00</u>	<u> </u>	<u> </u>	<u>BREAK OFF FOR TRAFFIC MID LINE 2 MILES</u>
	<u>111 30</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>02:08</u>	<u>02:10</u>	<u> </u>	<u> </u>	<u>3 MILES FROM END - LINE COMP</u>
	<u>112 210</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>02:14</u>	<u>02:17</u>	<u> </u>	<u> </u>	
	<u>CROSS NW</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>02:20</u>	<u>02:22</u>	<u> </u>	<u> </u>	<u>→ J53</u>

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT		STATIC	START:	STOP:	NOTES:
				SITE	FERRY				
<input type="radio"/>									
<input type="radio"/>									
<input type="radio"/>									

LIDAR FLIGHT LOG



JSI

MISSION: L020413A DATE: 2-4-13

PILOT: CHRIS OPERATOR: JIM AIRCRAFT: N3949W

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN		PRF	ALT (m)	TIME		Laser Time	TZPK	REMARKS
			FREQ	ANGLE			START	STOP			
111105							22:04	22:21	GMT	134	FERRY: GUM → SITE .3
GUAM	TEST						22:21	22:22			
	TEST						22:22	22:22			
	158 160	160	45	22	70	450	22:25	22:27			
	CROSS NE						22:30	22:30			
	222 178						22:34	22:35			
	223 356						22:41	22:42			
	224 178						22:46	22:46			
	225 3						22:51	22:52			
	226 183						22:55	22:56			
	CROSS W						23:00	23:00			
	117 30								23:02		PWR SPIKE LOST CONNECTION TO POS
	118 30										UNABLE TO ACCESS ABCPS / LOST CONNECT
								23:04			FERRY: SITE → GUM / PROGRAM ERROR
											ABCPS QUIT LOGGING AT SPIKE
											ON GROUND - REBOOT ALL SYSTEMS OK
											READY FOR ROUND 2

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT		STATIC	START:	STOP:	NOTES:
				SITE	FERRY				
⊙	111105	6		6	2.4	1.0	22:04	23:04	
○						WX			
○									

LIDAR FLIGHT LOG



JSR

MISSION: L020413B DATE: 2-4-13

PILOT: CHRIS OPERATOR: JIM AIRCRAFT: N3949W

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN		PRF	ALT (m)	TIME		Laser Time	TZPK	REMARKS
			FREQ	ANGLE			START	STOP			
111105							23:32	23:45	GAT	134	FERRY: GUAM → SITE
GUAM	TEST						23:45	23:46			
	TEST						23:46	23:46			
	113 30	160	45	22	70	450	23:52	23:56			
	114 210						23:59	00:02			
	115 30						00:10	00:14			
	116 210						00:18	00:21			
	117 30						00:24	00:28			
	118 210						00:31	00:34			
	119 30						00:38	00:42			
	120 210						00:45	00:48			
	121 30						00:52	00:56			
	122 210						01:00	01:02			
	123 30						01:09	01:12			
	124 210						01:17	01:19			
	125 30						01:24	01:27			
	126 210						01:30	01:33			
	127 30						01:37	01:41			
	128 210						01:44	01:46			
	129 30						01:50	01:53			→ JS3

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT		STATIC	START:	STOP:	NOTES:
				SITE	FERRY				
⊗	111105	27	27/0	3.2	.6	3.8	23:32	03:23	
○						Wx			
○									

LIDAR FLIGHT LOG



J53

MISSION: L020413B DATE: 2-4-13

PILOT: CHRIS OPERATOR: JIM

AIRCRAFT: N3949W

PROJECT NUMBER	LINE NO. & Hdg		GND SPEED (KTS)	SCAN		PRF	ALT (m)	TIME		Laser Time	TZPK	REMARKS
				FREQ	ANGLE			START	STOP			
<u>111105</u>	<u>130</u>	<u>210</u>	<u>160</u>	<u>45</u>	<u>22</u>	<u>70</u>	<u>450</u>	<u>01:56</u>	<u>01:59</u>	<u>GMT</u>	<u>134</u>	
<u>GUAM</u>	<u>131</u>	<u>30</u>						<u>02:11</u>	<u>02:14</u>			
	<u>132</u>	<u>210</u>						<u>02:17</u>	<u>02:20</u>			
	<u>133</u>	<u>30</u>						<u>02:23</u>	<u>02:26</u>			
	<u>134</u>	<u>210</u>						<u>02:29</u>	<u>02:32</u>			
	<u>135</u>	<u>30</u>						<u>02:35</u>	<u>02:38</u>			
	<u>136</u>	<u>210</u>						<u>02:41</u>	<u>02:44</u>			
	<u>137</u>	<u>30</u>						<u>02:48</u>	<u>02:50</u>			
	<u>138</u>	<u>210</u>						<u>02:53</u>	<u>02:55</u>			
	<u>139</u>	<u>30</u>						<u>03:03</u>	<u>03:05</u>			
	<u>CROSS NW</u>							<u>03:08</u>	<u>03:09</u>			
									<u>03:23</u>			<u>FERRY, SITE → GUAM</u>

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT		STATIC	START:	STOP:	NOTES:
				SITE	FERRY				
<input type="radio"/>									
<input type="radio"/>						<u>WX</u>			
<input type="radio"/>									

LIDAR FLIGHT LOG



JSI

MISSION: L020913A DATE: 2-9-13

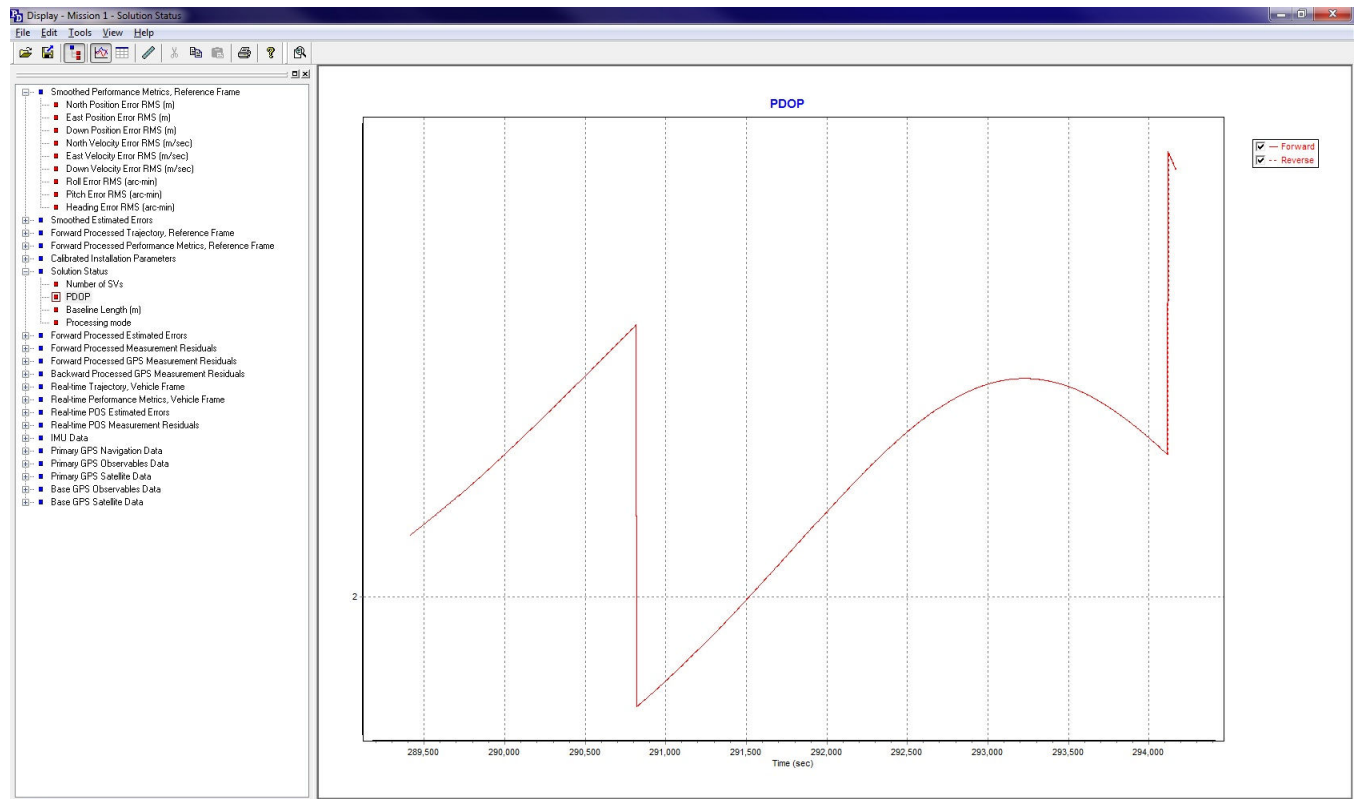
PILOT: CHRIS OPERATOR: JIM AIRCRAFT: N3949W

PROJECT NUMBER	LINE NO. & Hdg	GND SPEED (KTS)	SCAN		PRF	ALT (m)	TIME		Laser Time	TZPK	REMARKS
			FREQ	ANGLE			START	STOP			
111105							22:32	22:54	GMT	134	FERRY: GUM → SITE .4
GUAM	TEST						22:54	22:54			
RFT AREAS	TEST						22:54	22:54			
	10 222	160	45	22	70	450	22:56	22:56			HAD TO FLY LOWER DUE TO CLOUDS
	9 42						23:00	23:01			
	8 214						23:04	23:05			
	7 34						23:09	23:10			
	9.5 222						23:12	23:13			
	7.5 34						23:20	23:21			GOT OFF LINE
	7.5 214						23:24	23:25			
	CROSS NW						23:28	23:28			
	4 164						23:31	23:32			
	3 344						23:36	23:37			
	3.5 164						23:42	23:43			
	2 341						23:46	23:47			
	1 161						23:51	23:52			
	5 6						23:55	23:56			
	6 186						00:01	00:01			
	5.5 6						00:05	00:06			
	CROSS W						00:08	00:09			→ J52

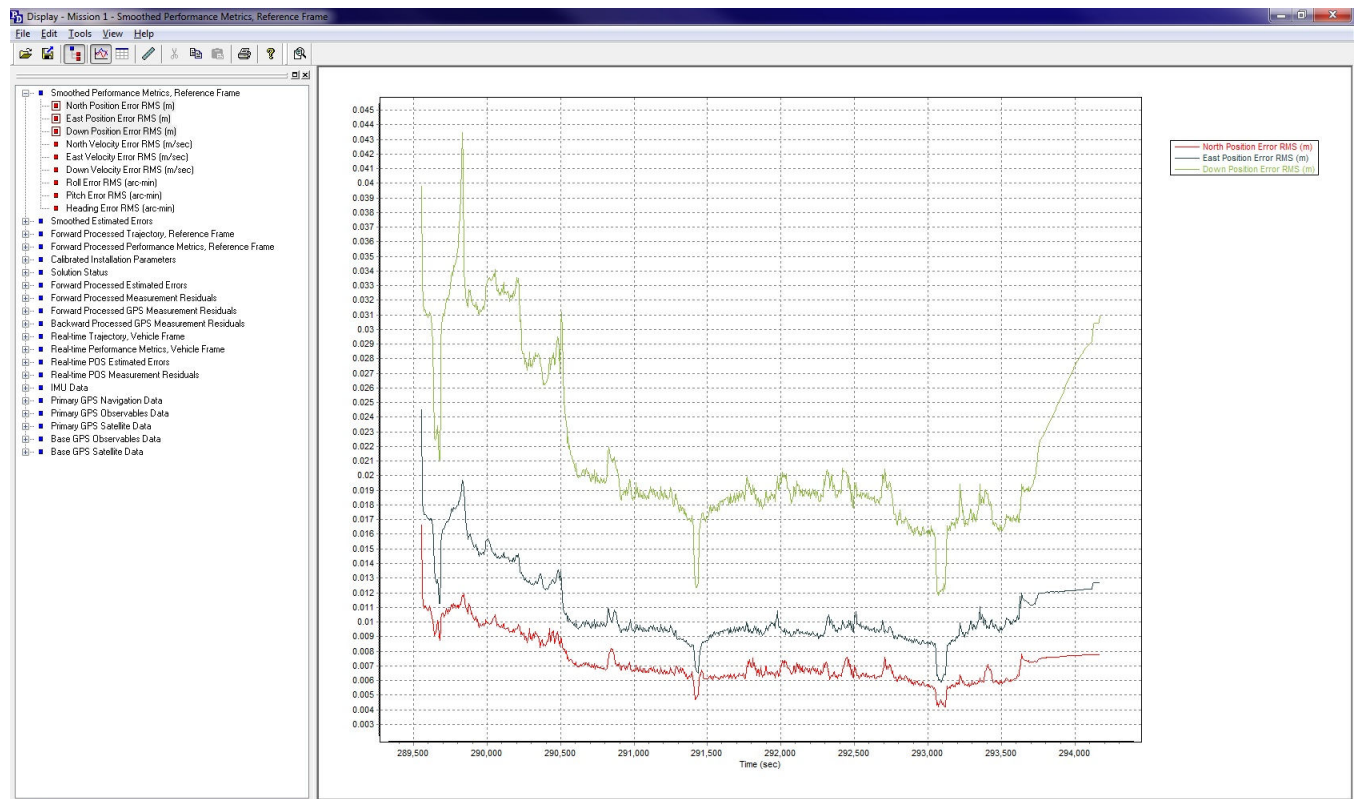
STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT		STATIC	START:	STOP:	NOTES:
				SITE	FERRY				
⊗ 111105 (RFT)	13	13	0	1.9	.6	2.5	22:32	00:59	
○									WX CUR AT 20/2200'
○									

8 LiDAR GPS PROCESSING PLOTS

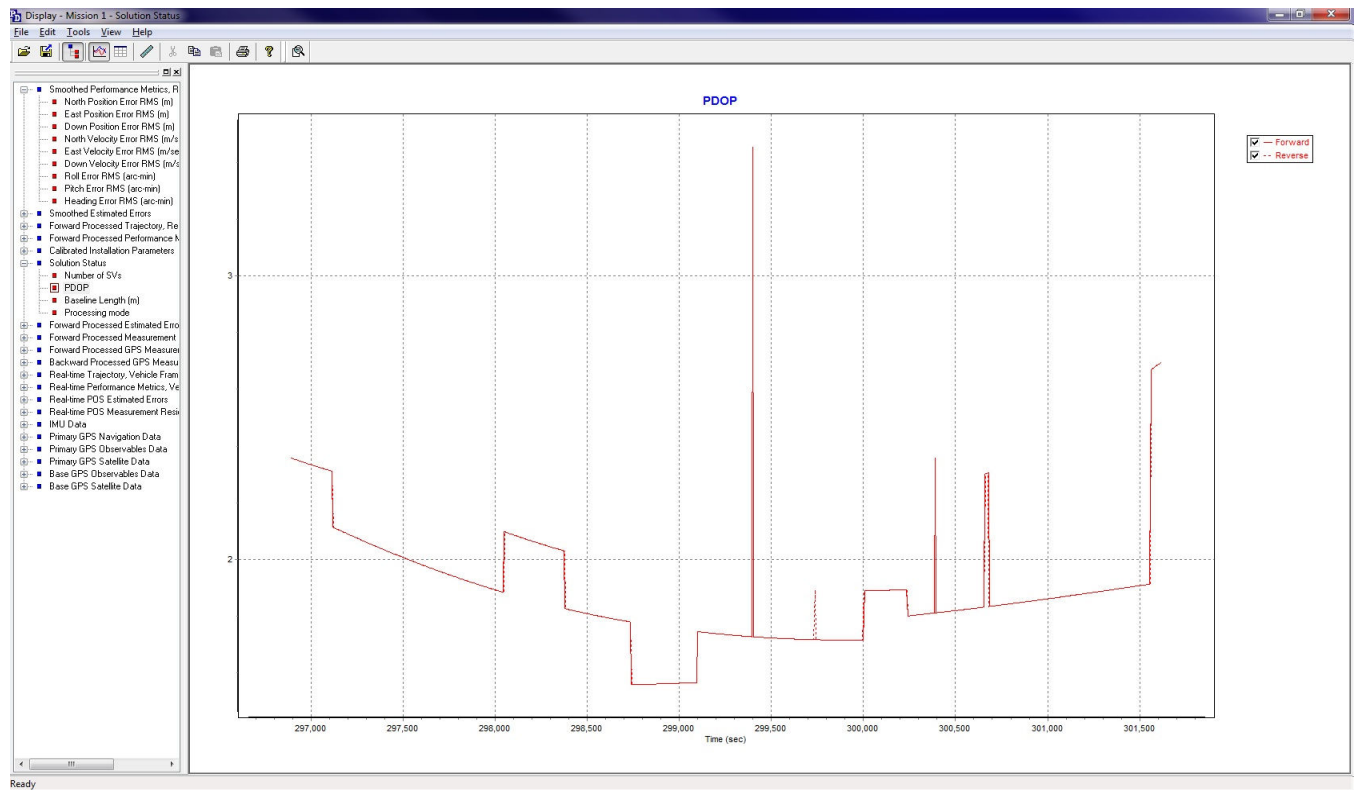
M011812A Position Dilution of Precision (PDOP)



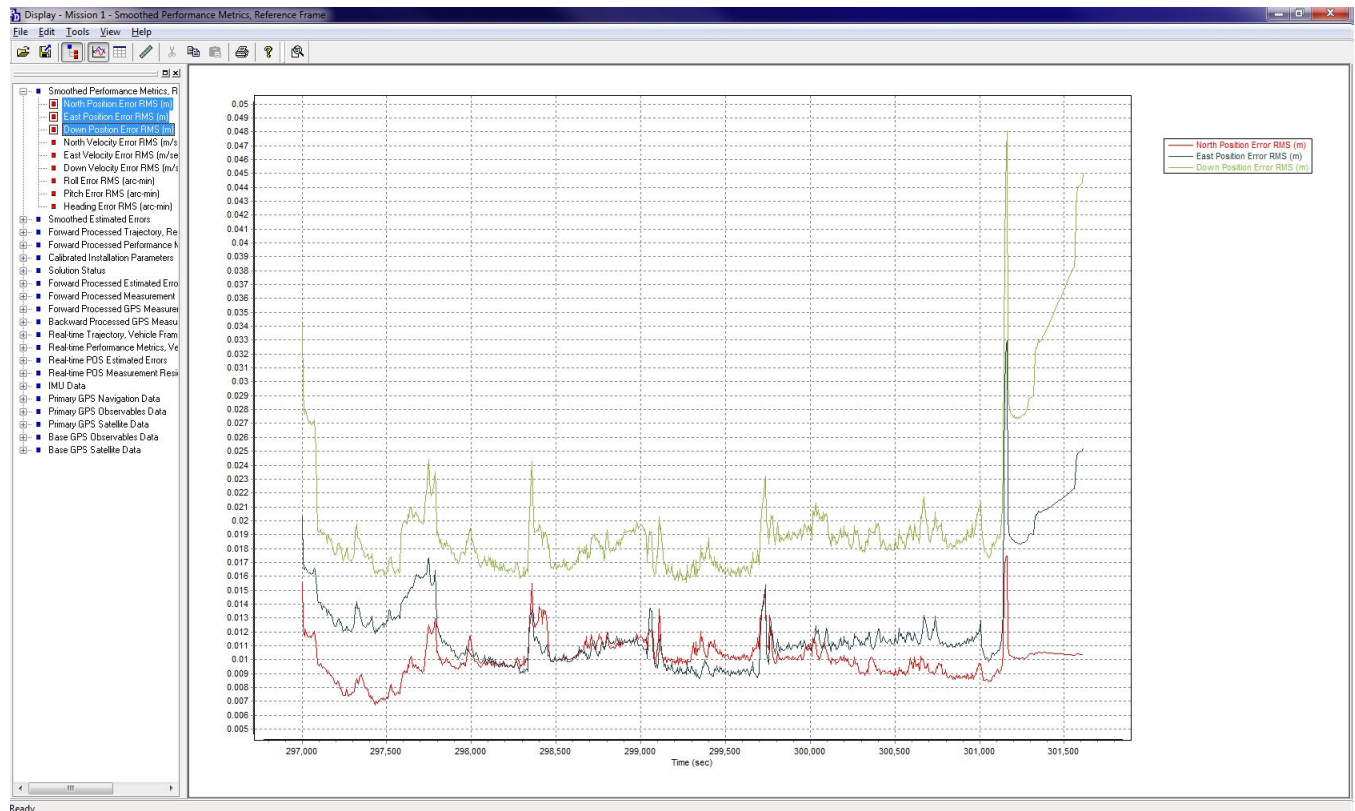
M011812A Combined Separation



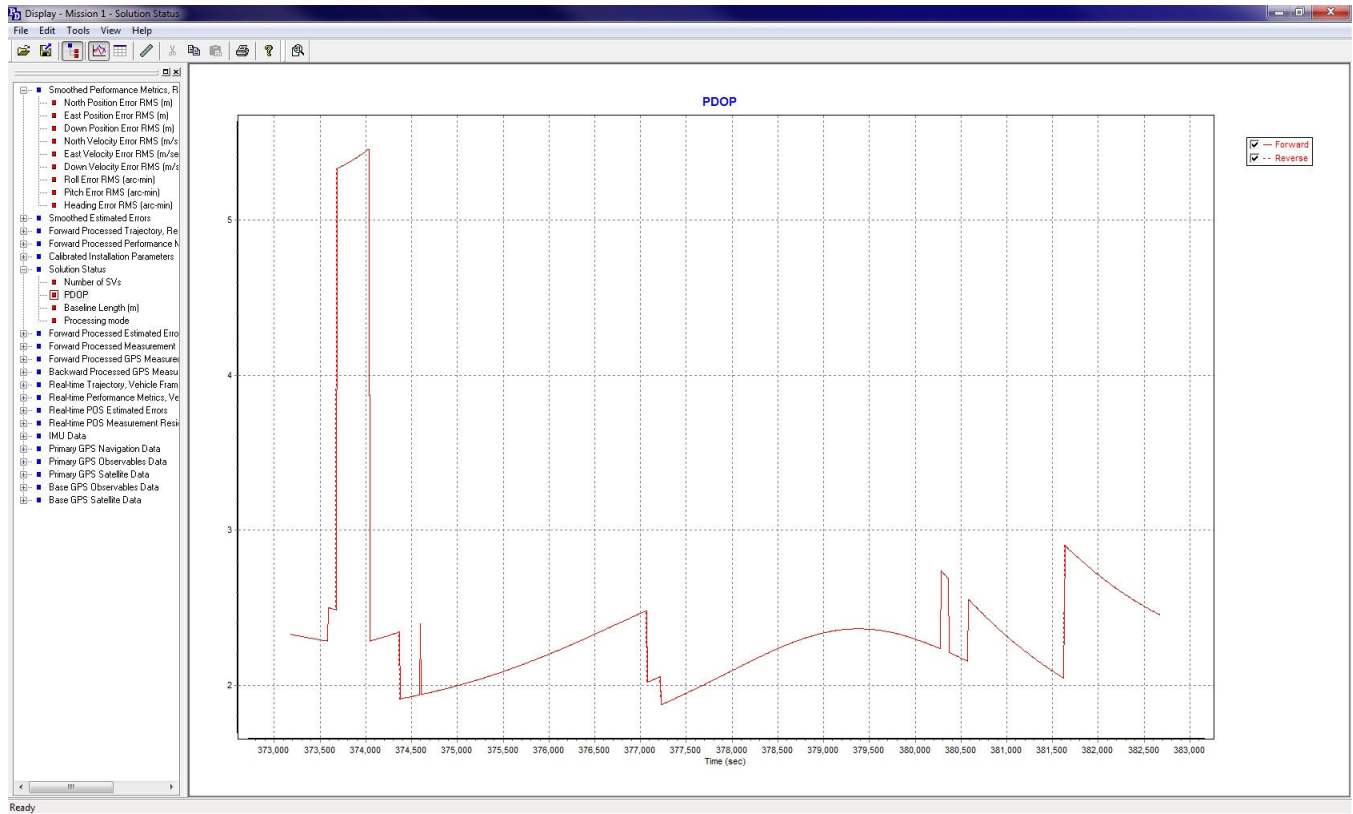
M011812B PDOP



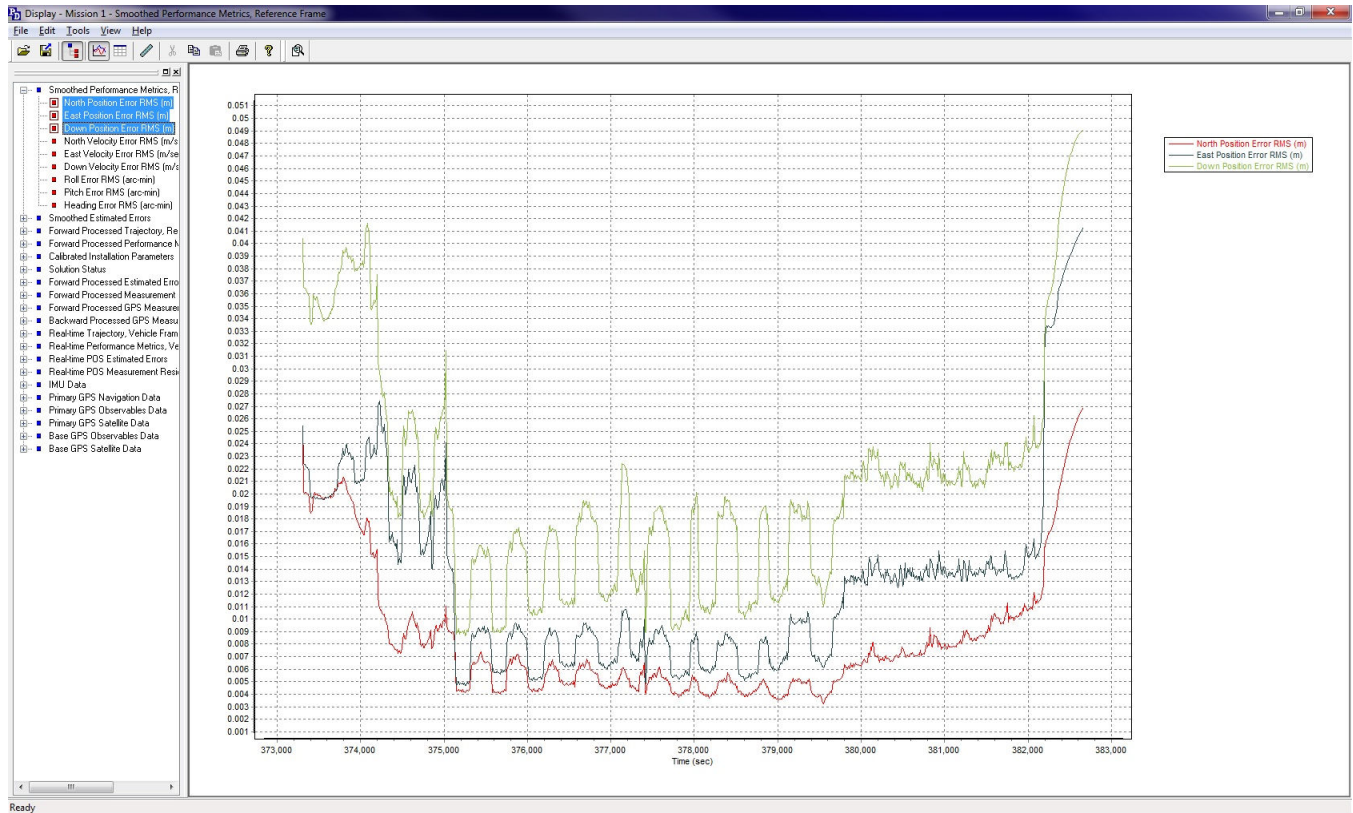
M011812B Combined Separation



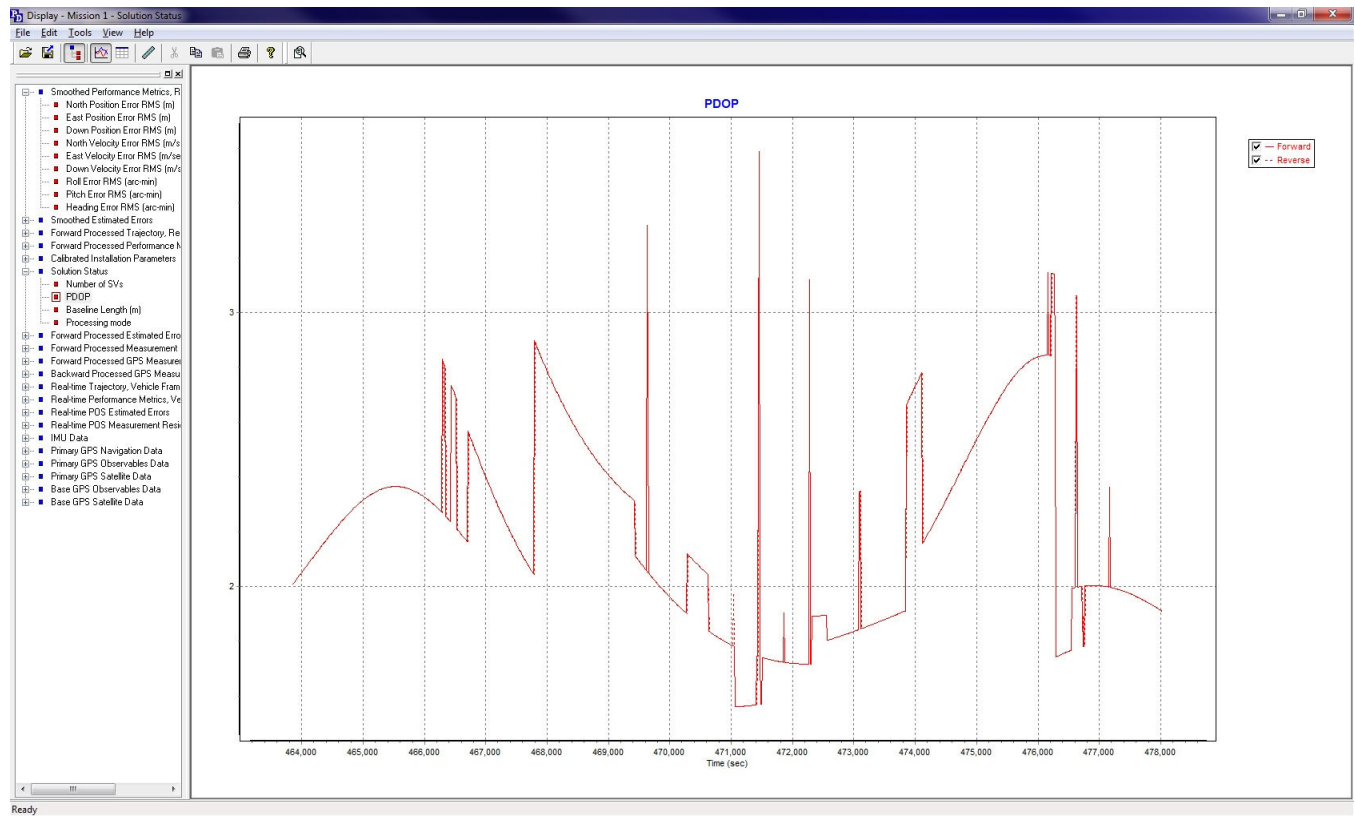
M011912A PDOP



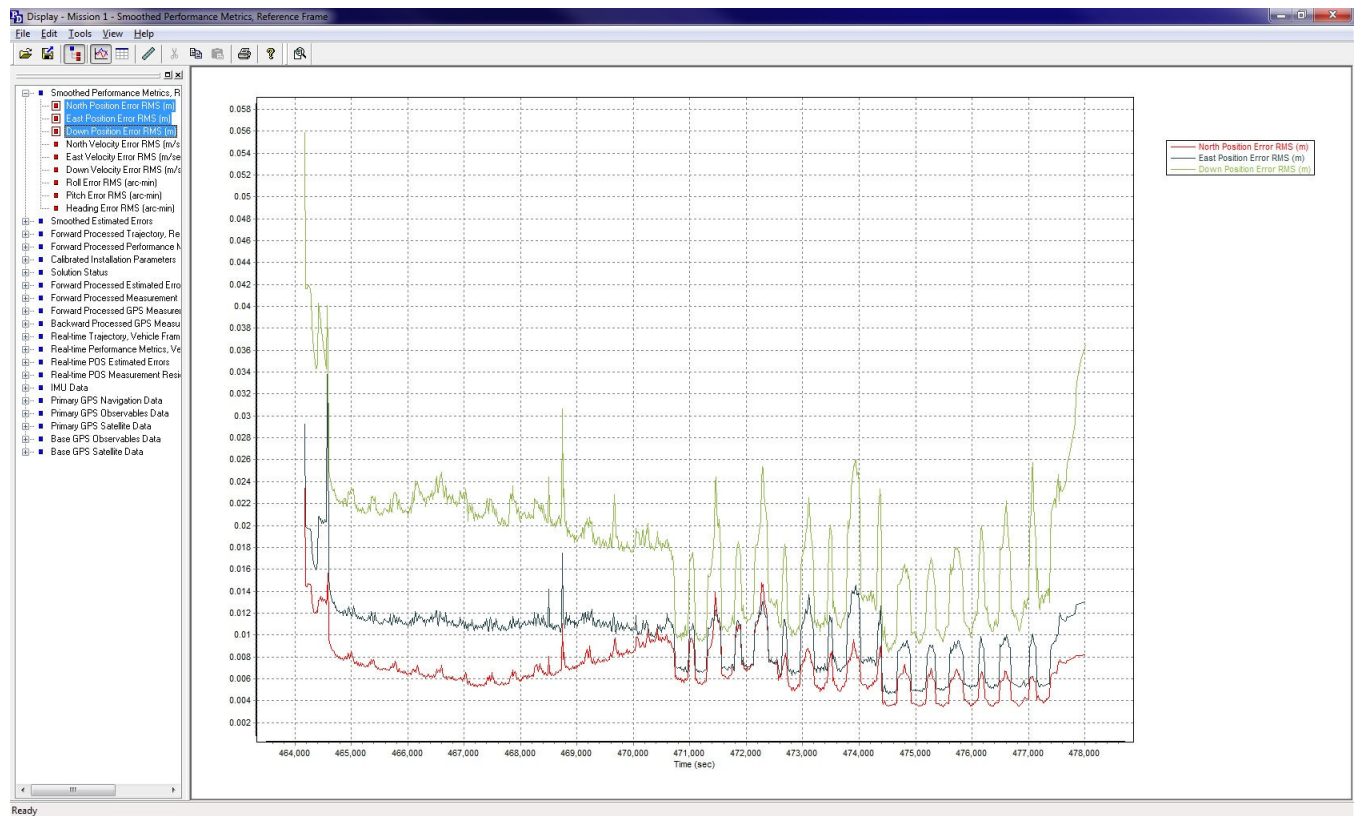
M011912A Combined Separation



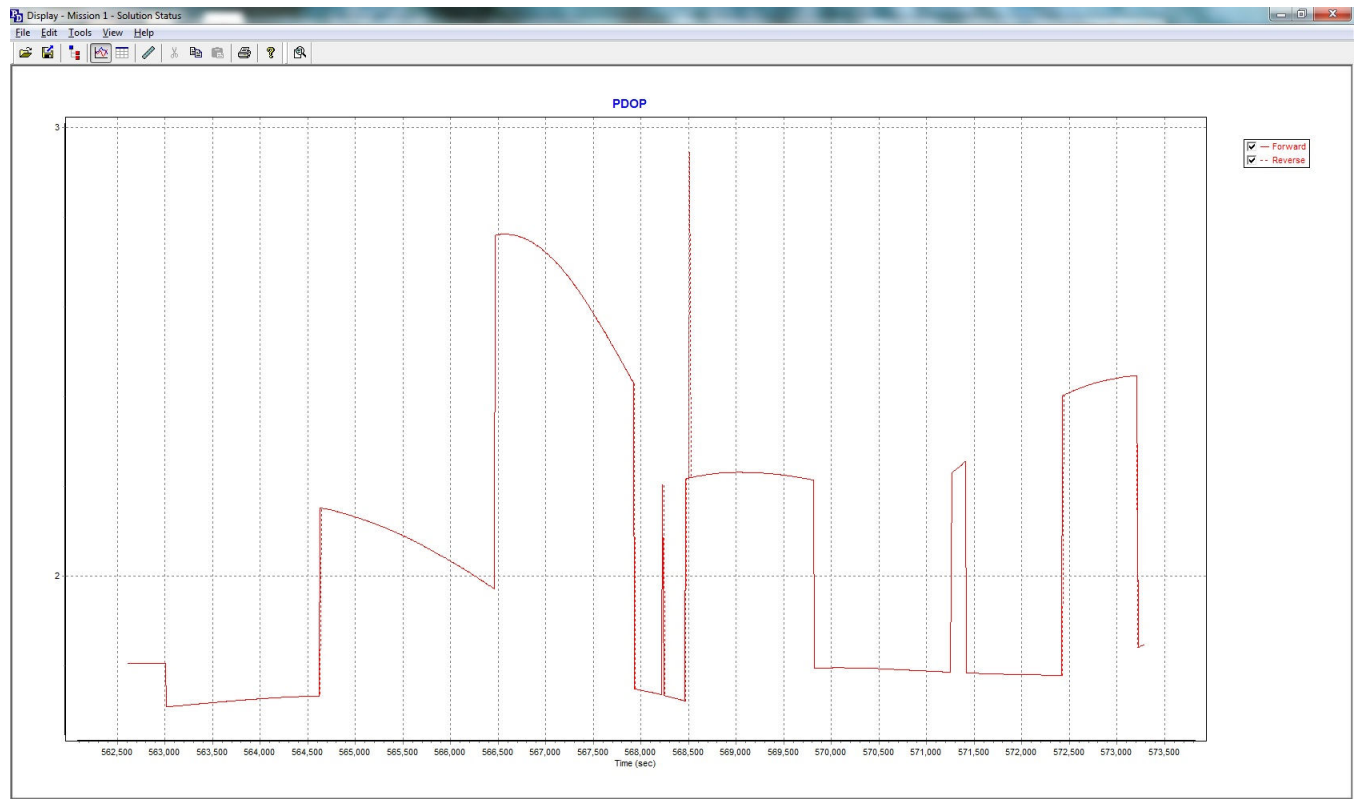
M012012A PDOP



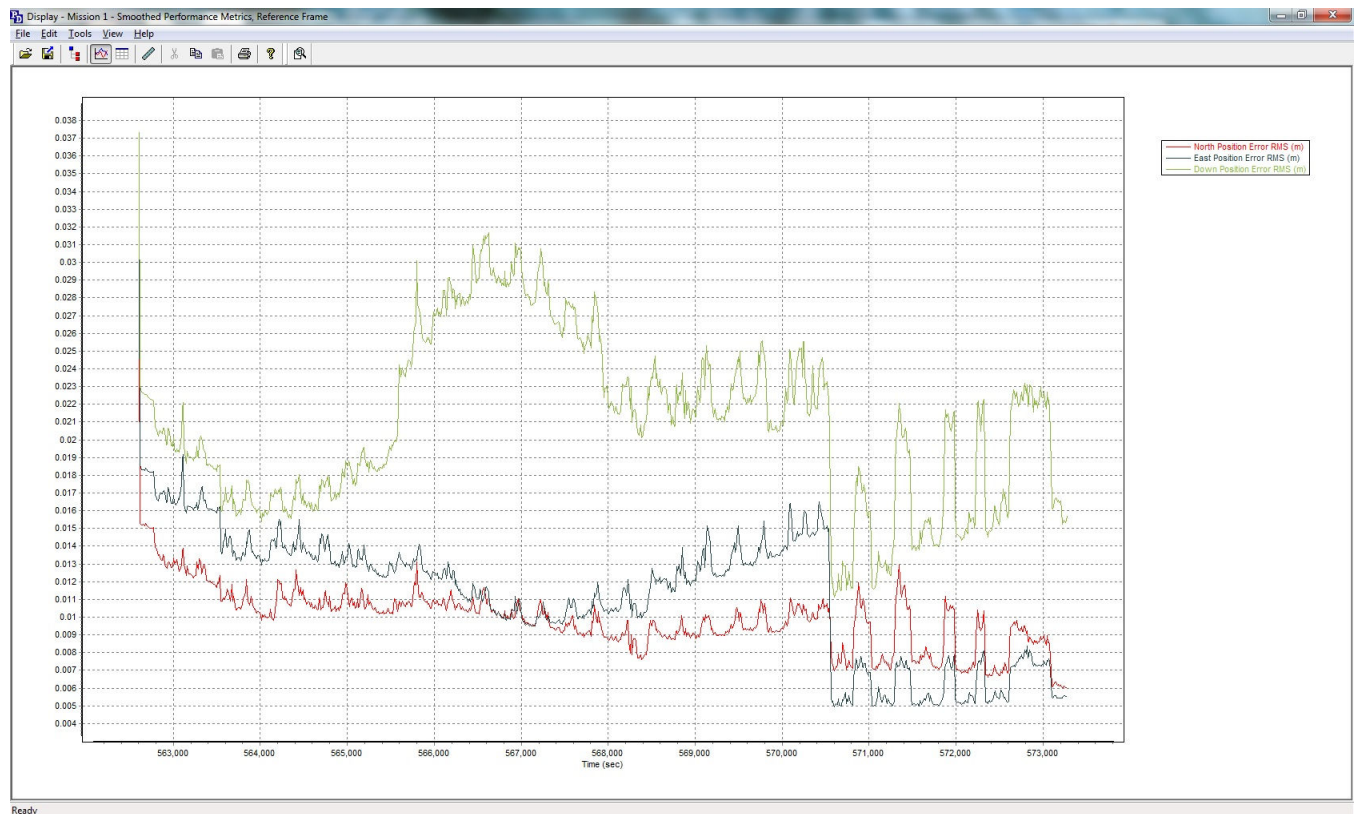
M012012A Combined Separation



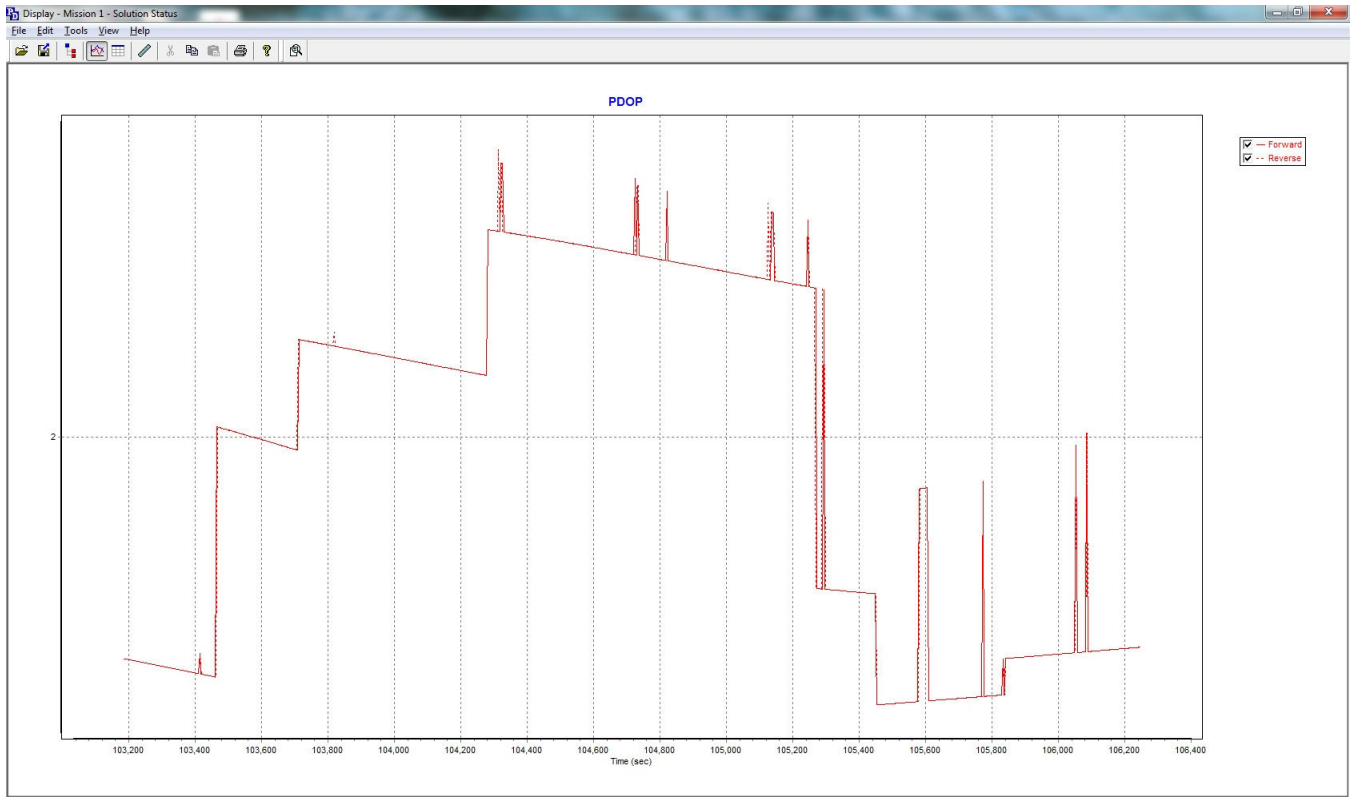
M021812A PDOP



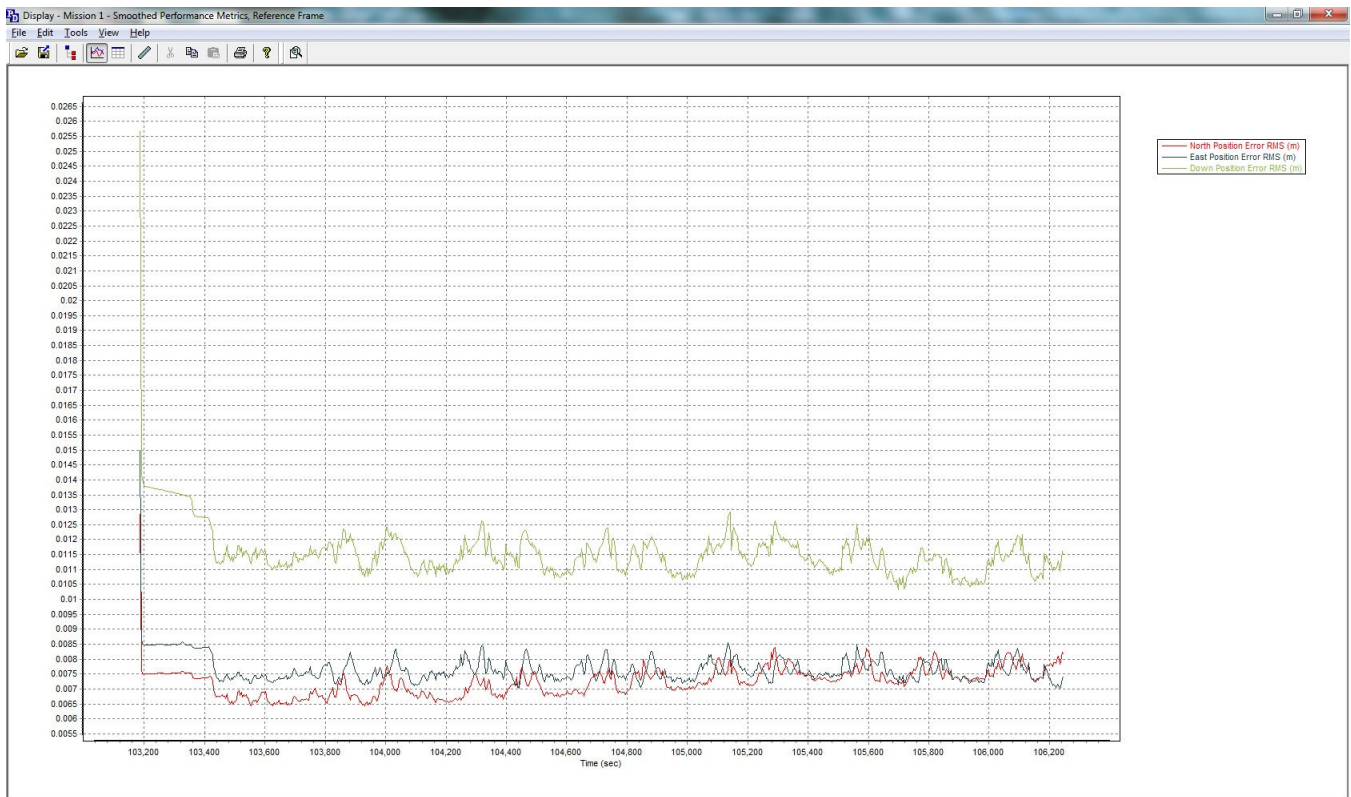
M021812A Combined Separation



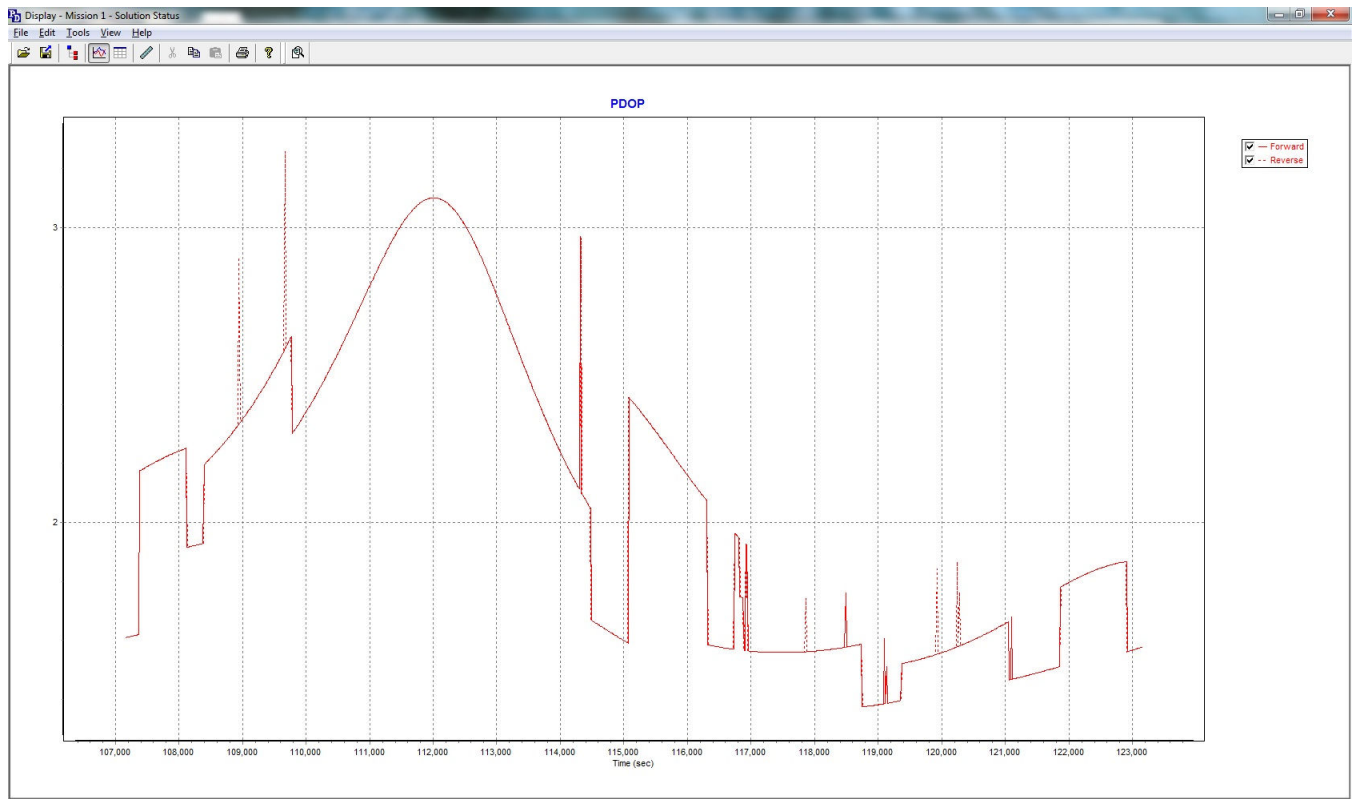
M022012A PDOP



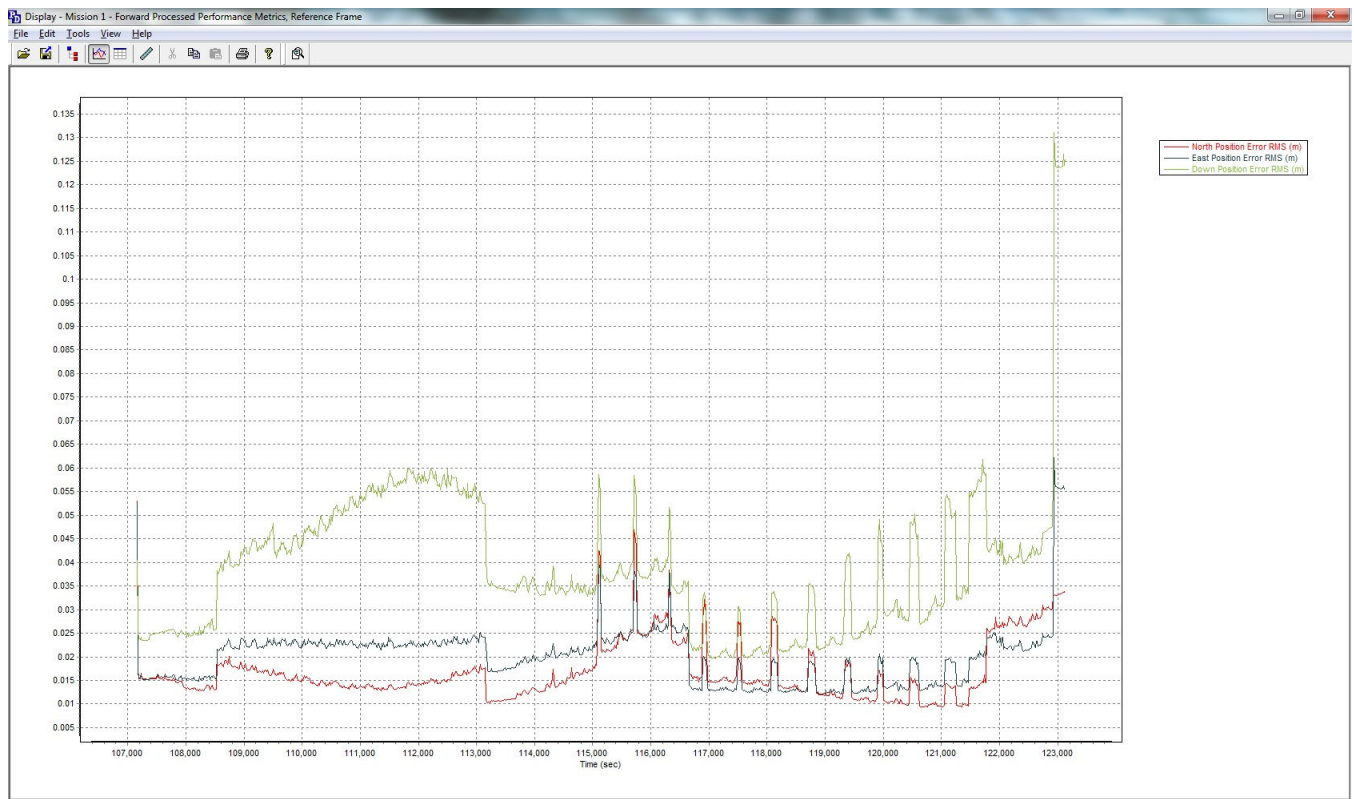
M022012A Combined Separation



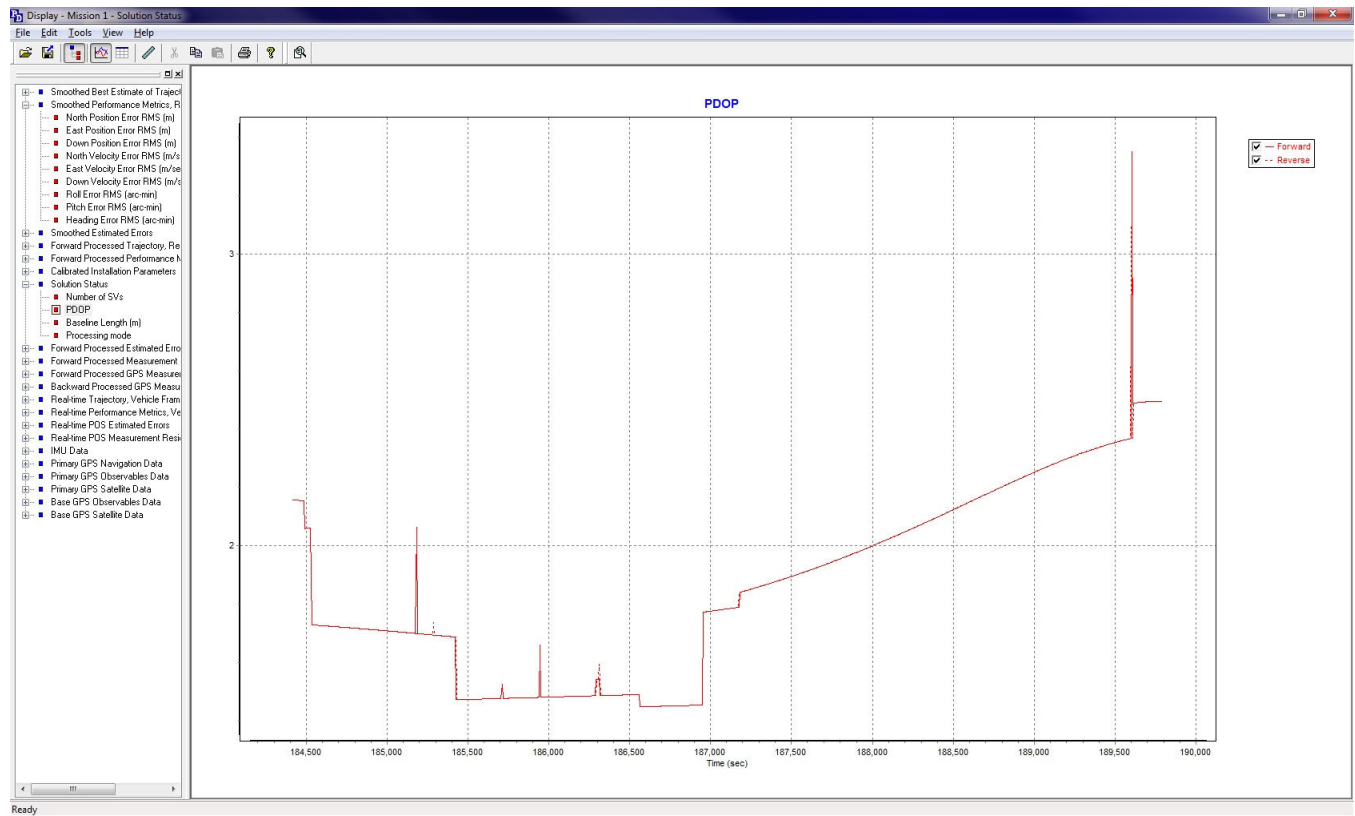
M022012B PDOP



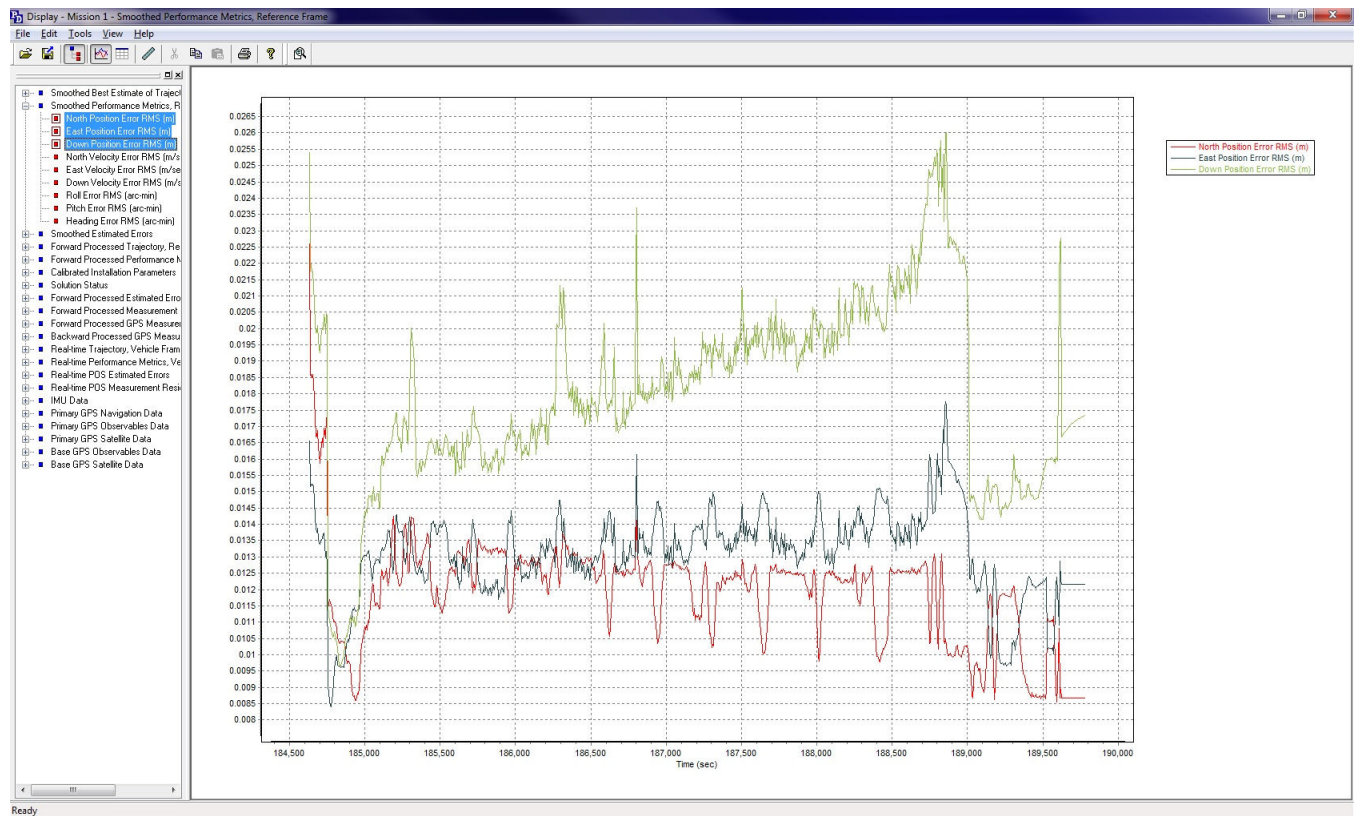
M022012B Combined Separation



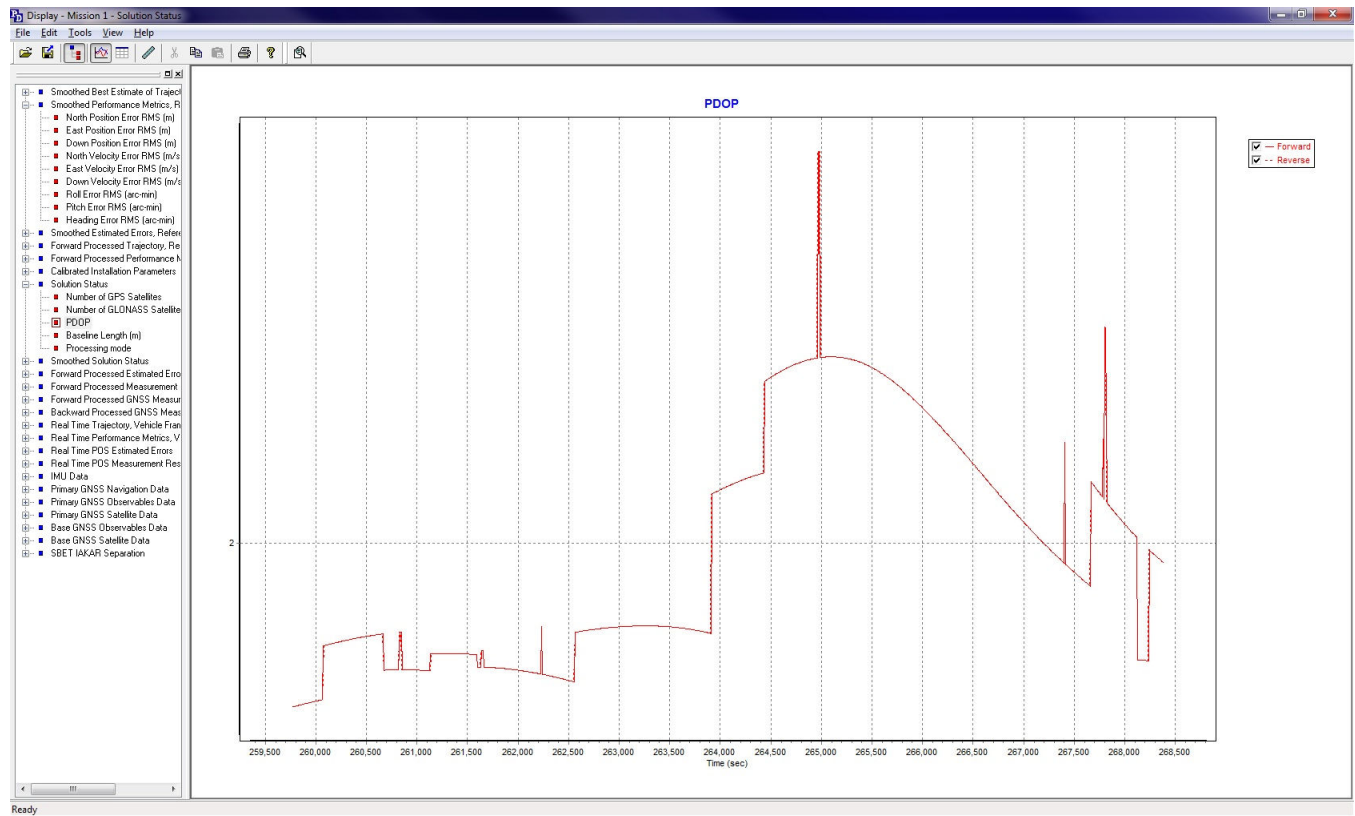
L101812A PDOP



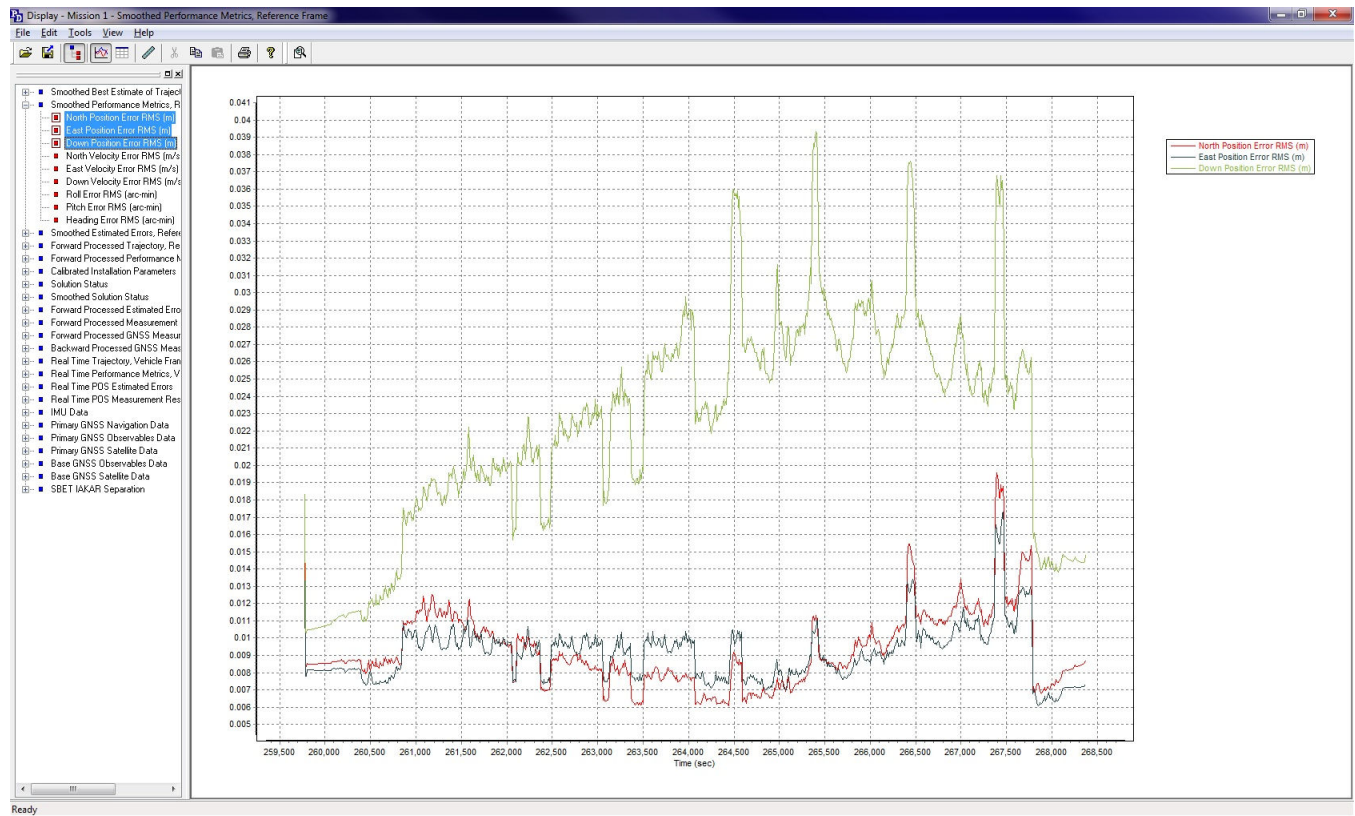
L121812A Combined Separation



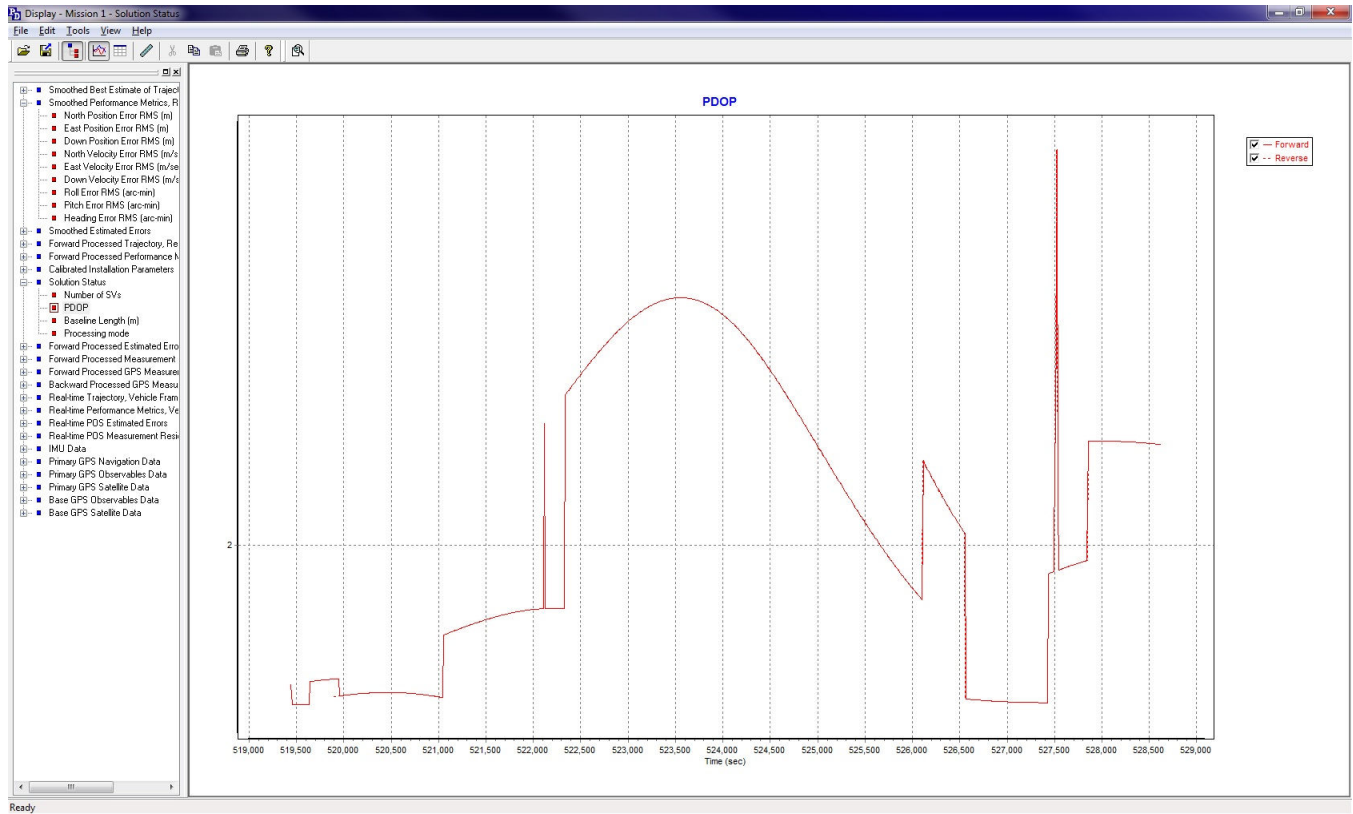
L121912A PDOP



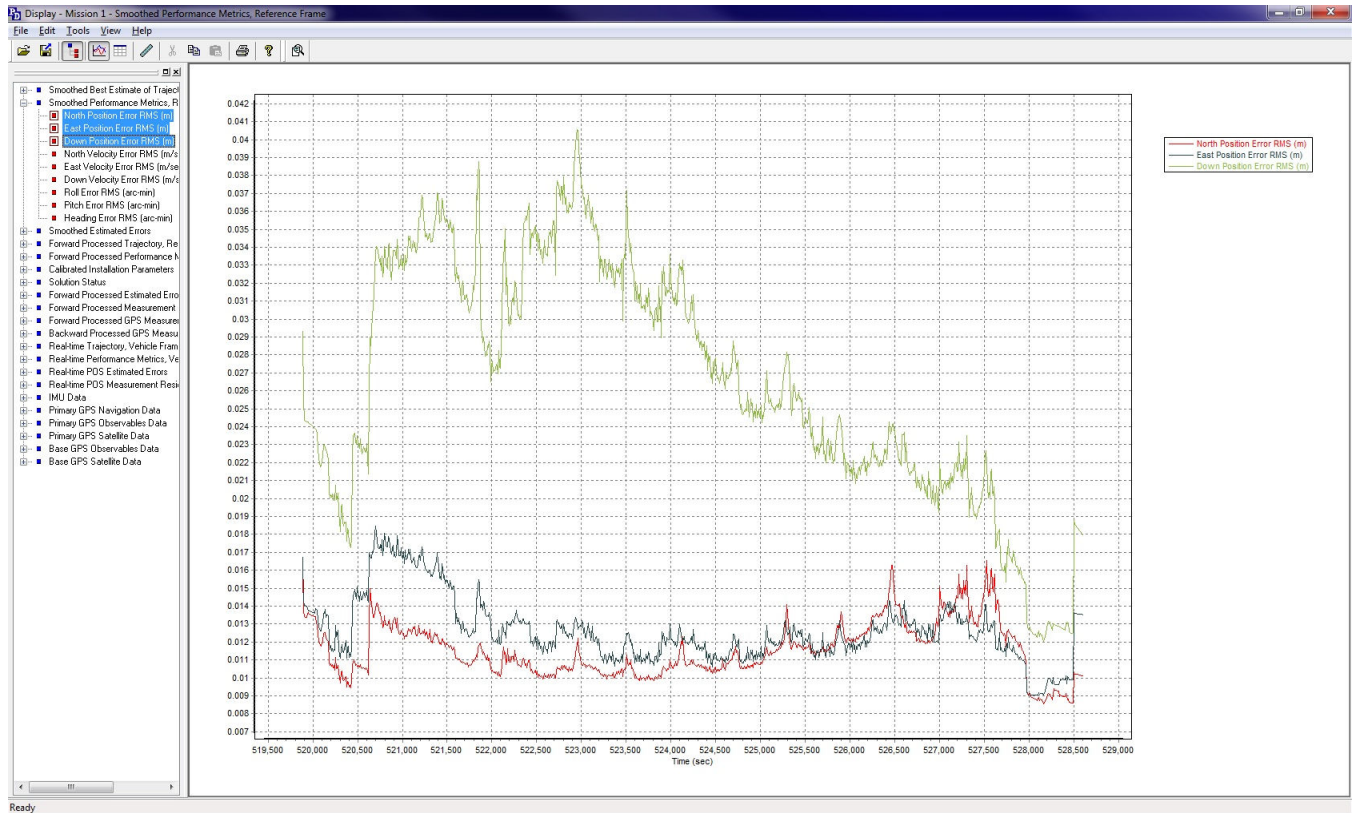
L121912A Combined Separation



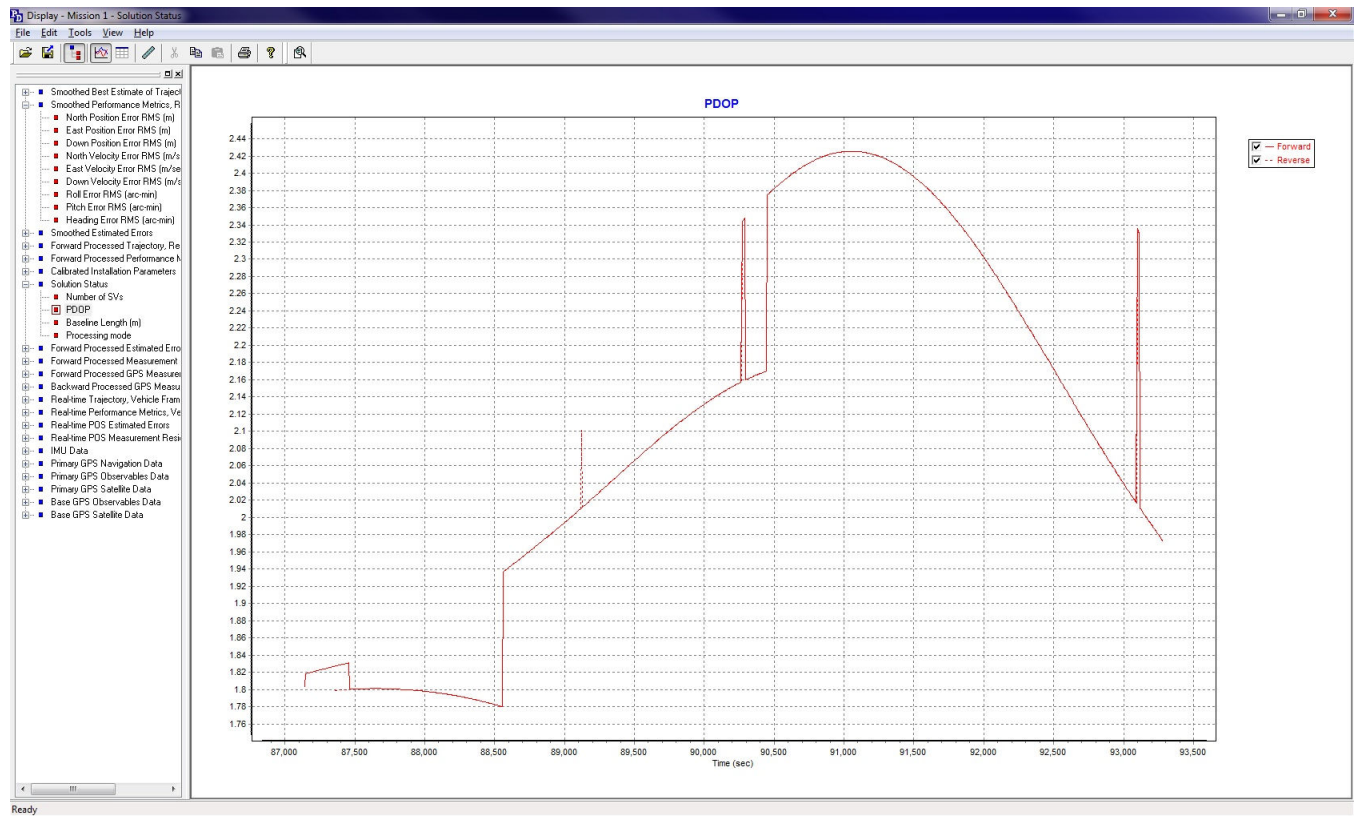
L122212A PDOP



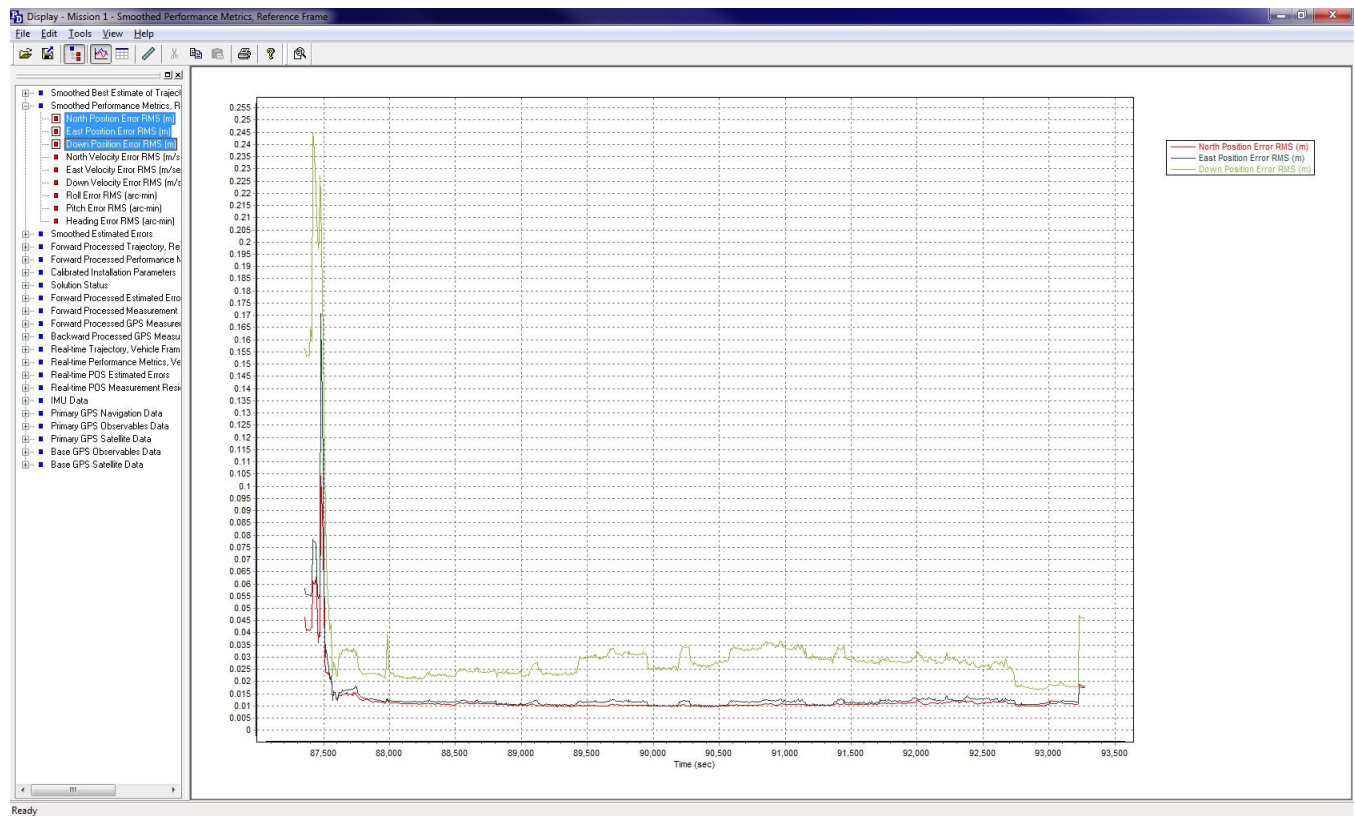
L122212A Combined Separation



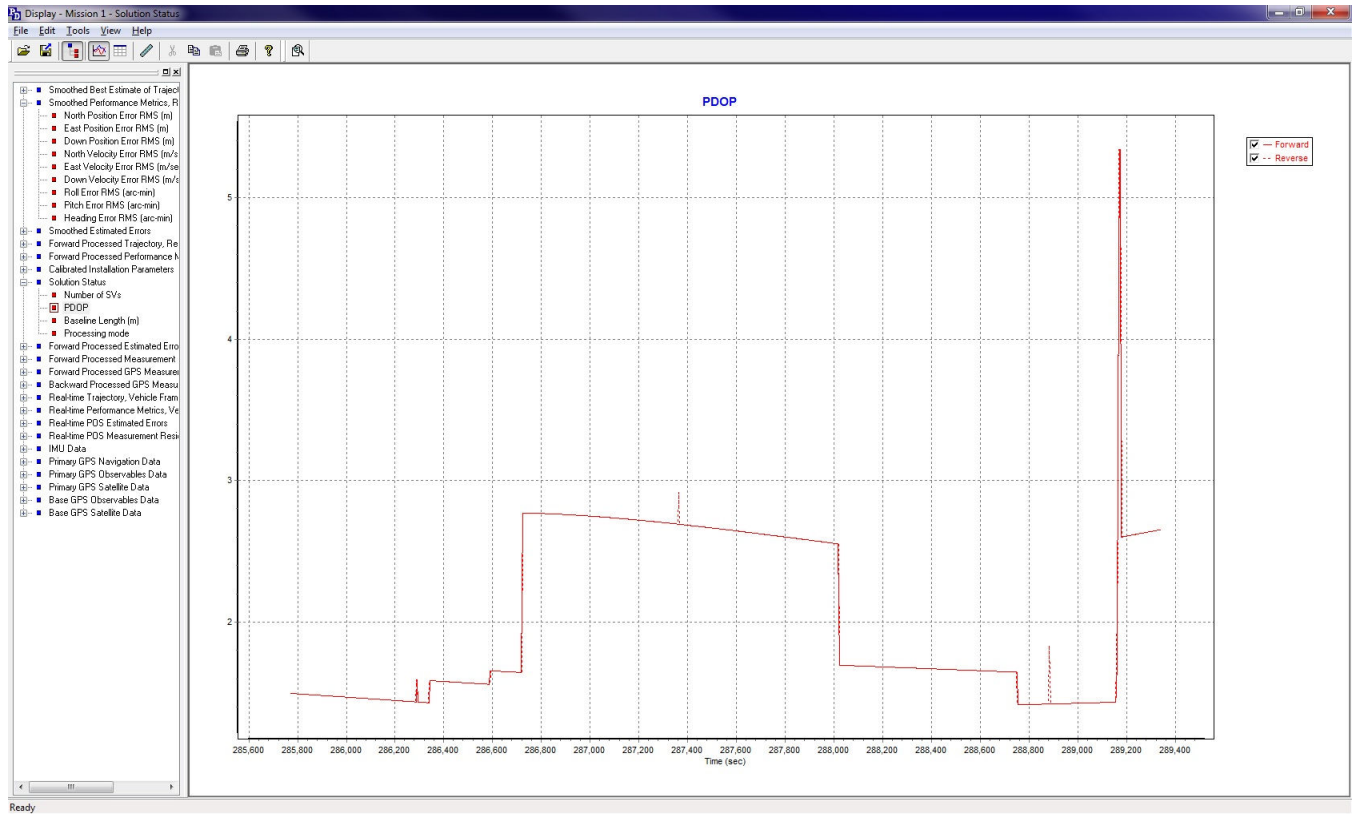
L122412A PDOP



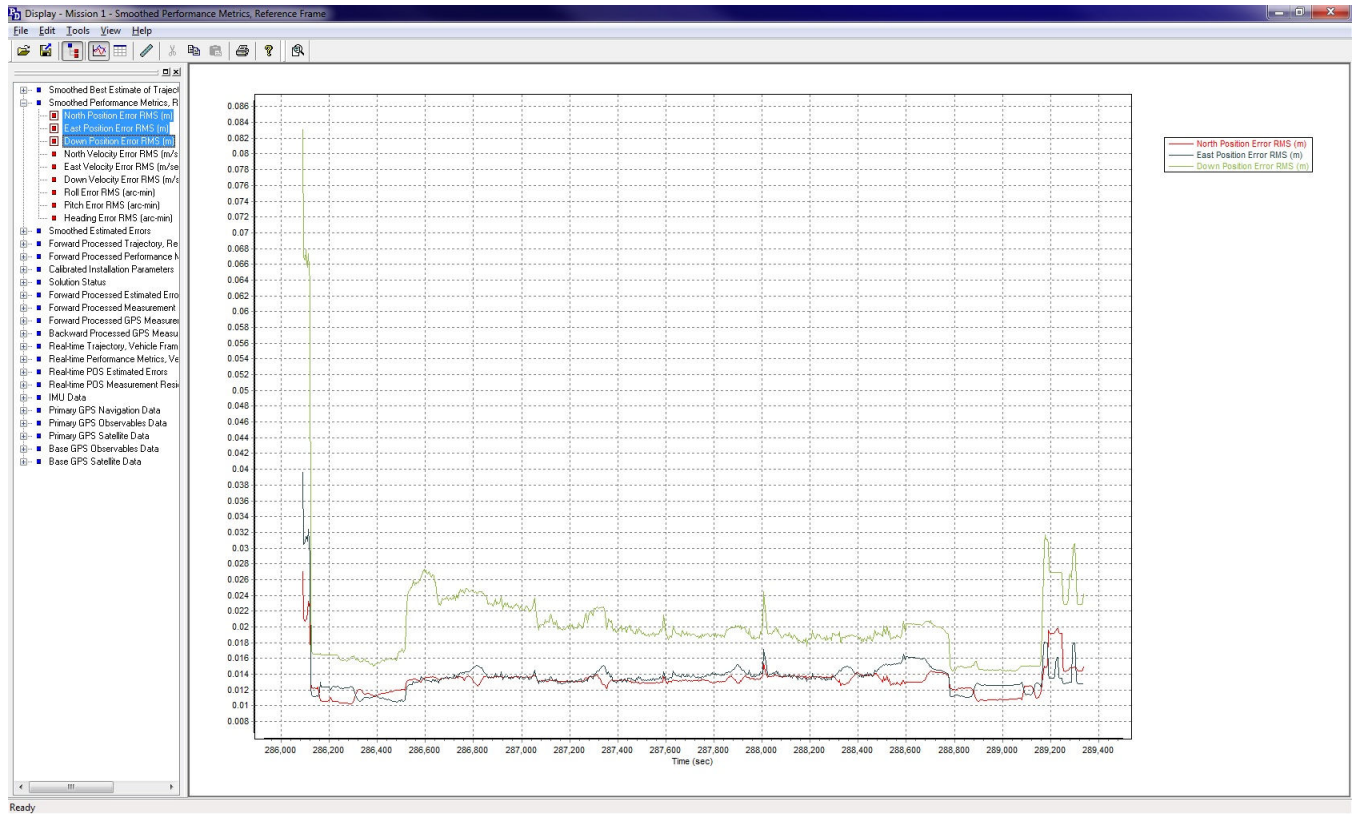
L122412A Combined Separation



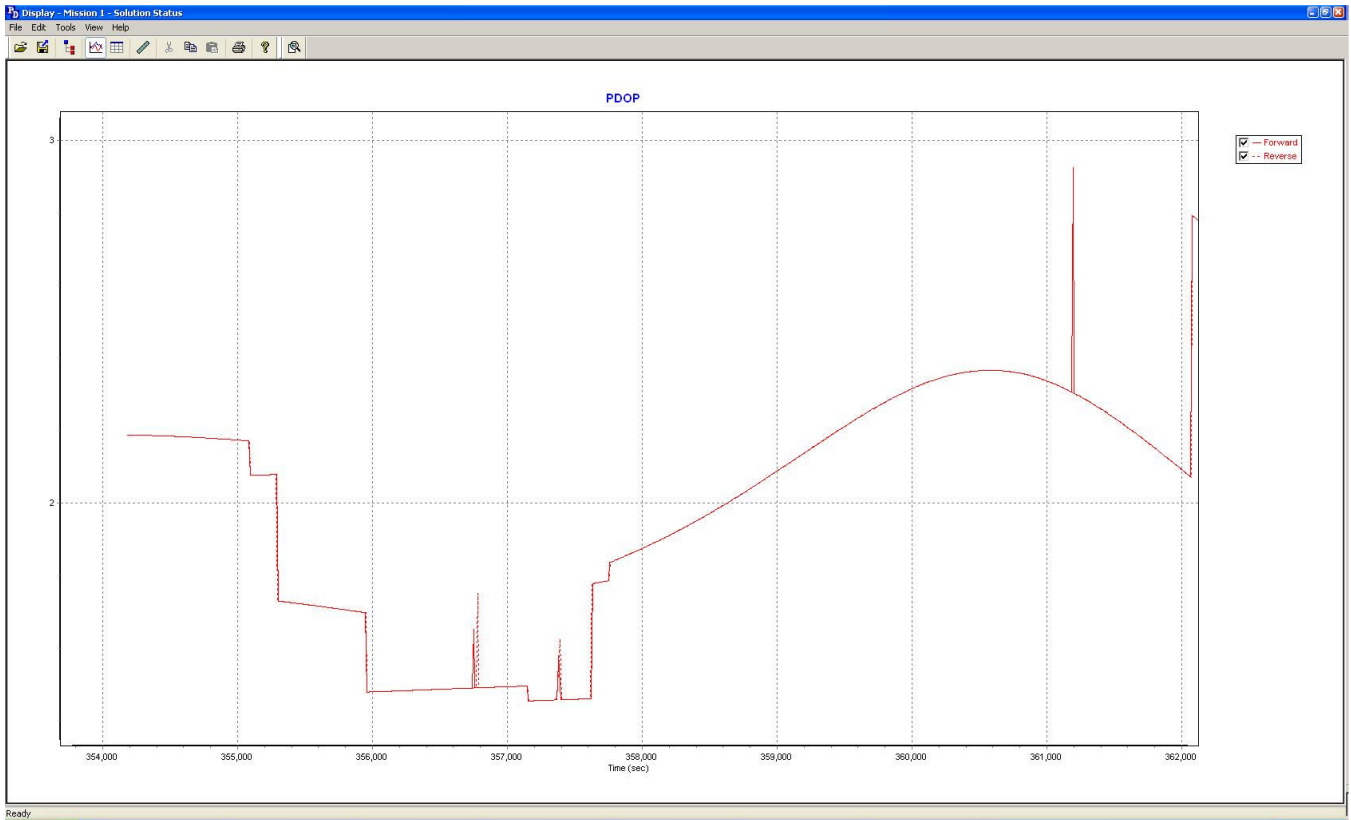
L122612A PDOP



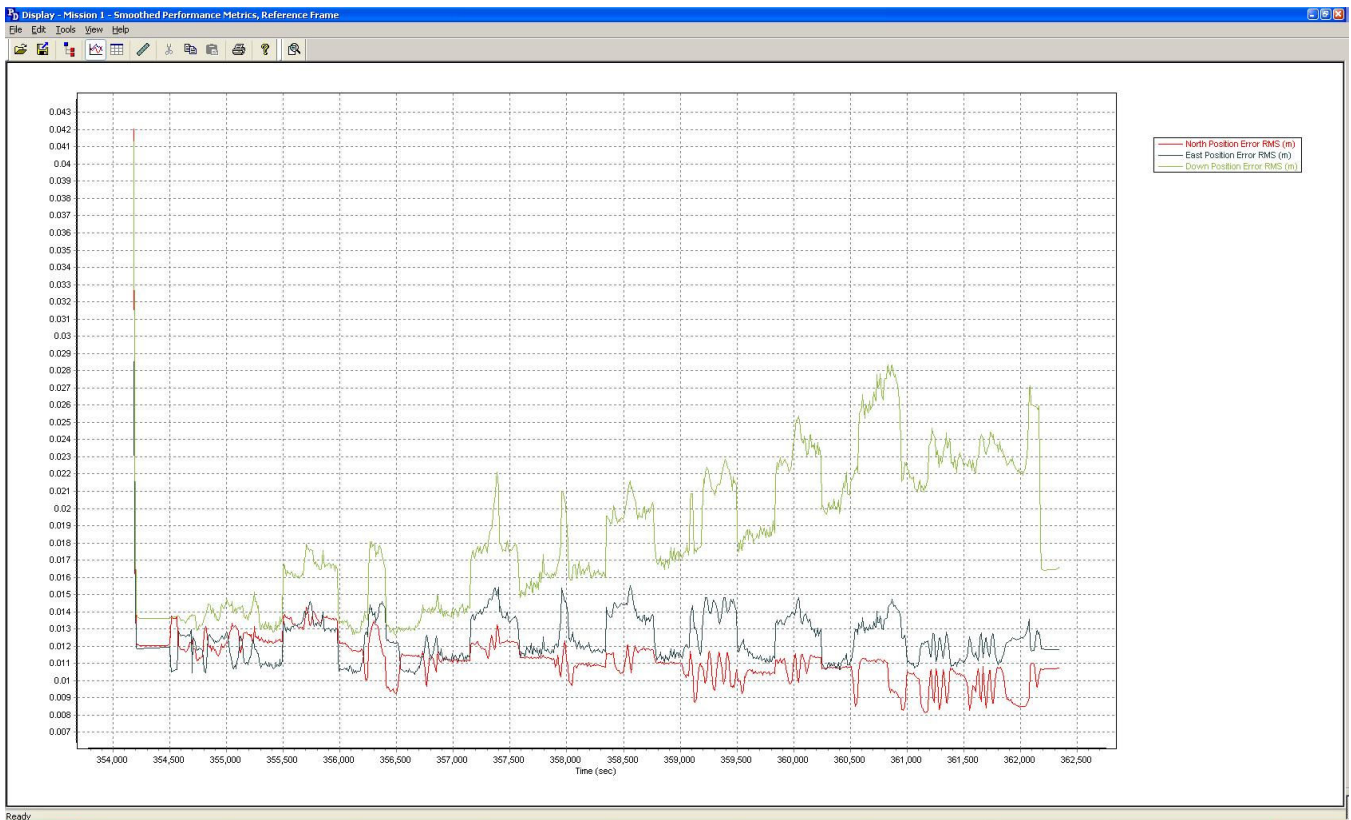
L122612A Combined Separation



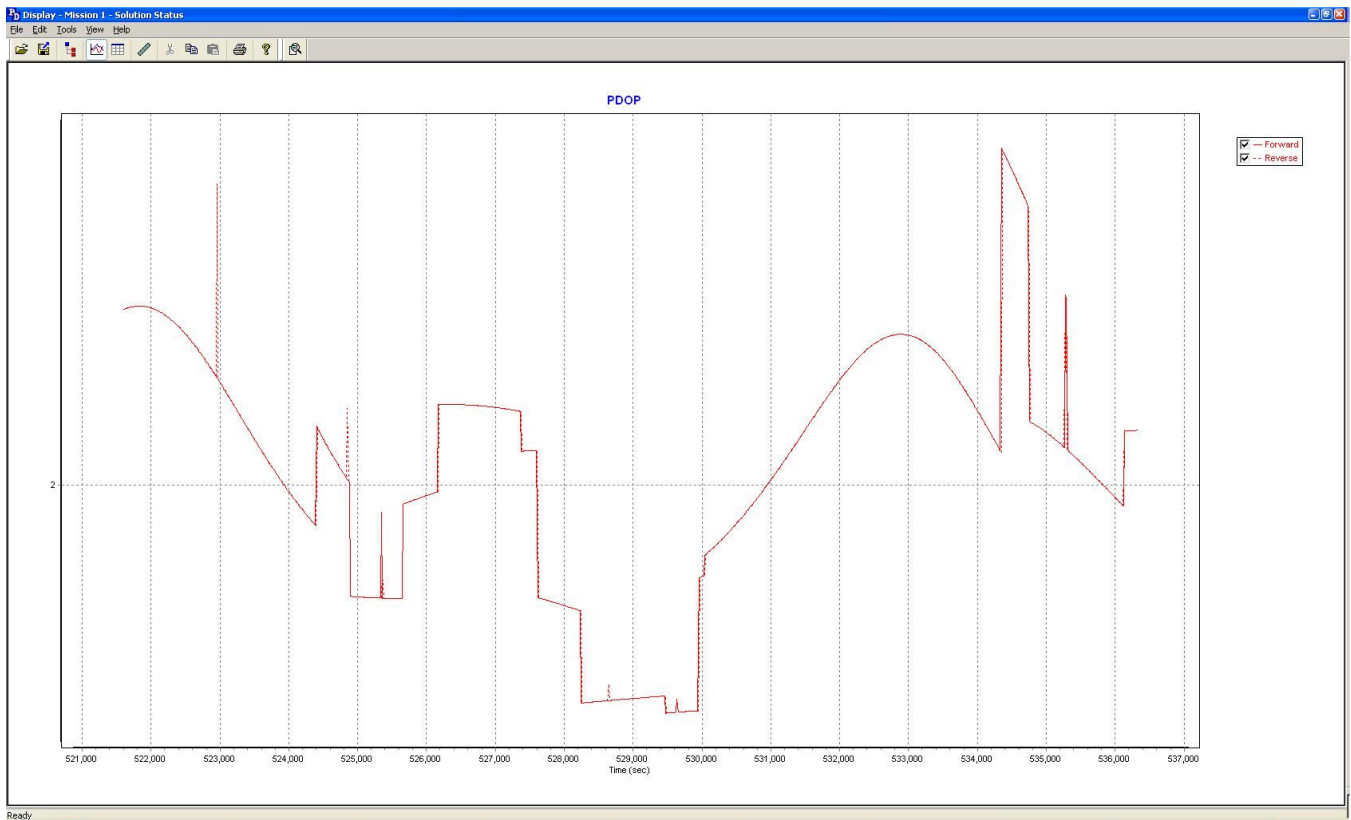
L122712A PDOP



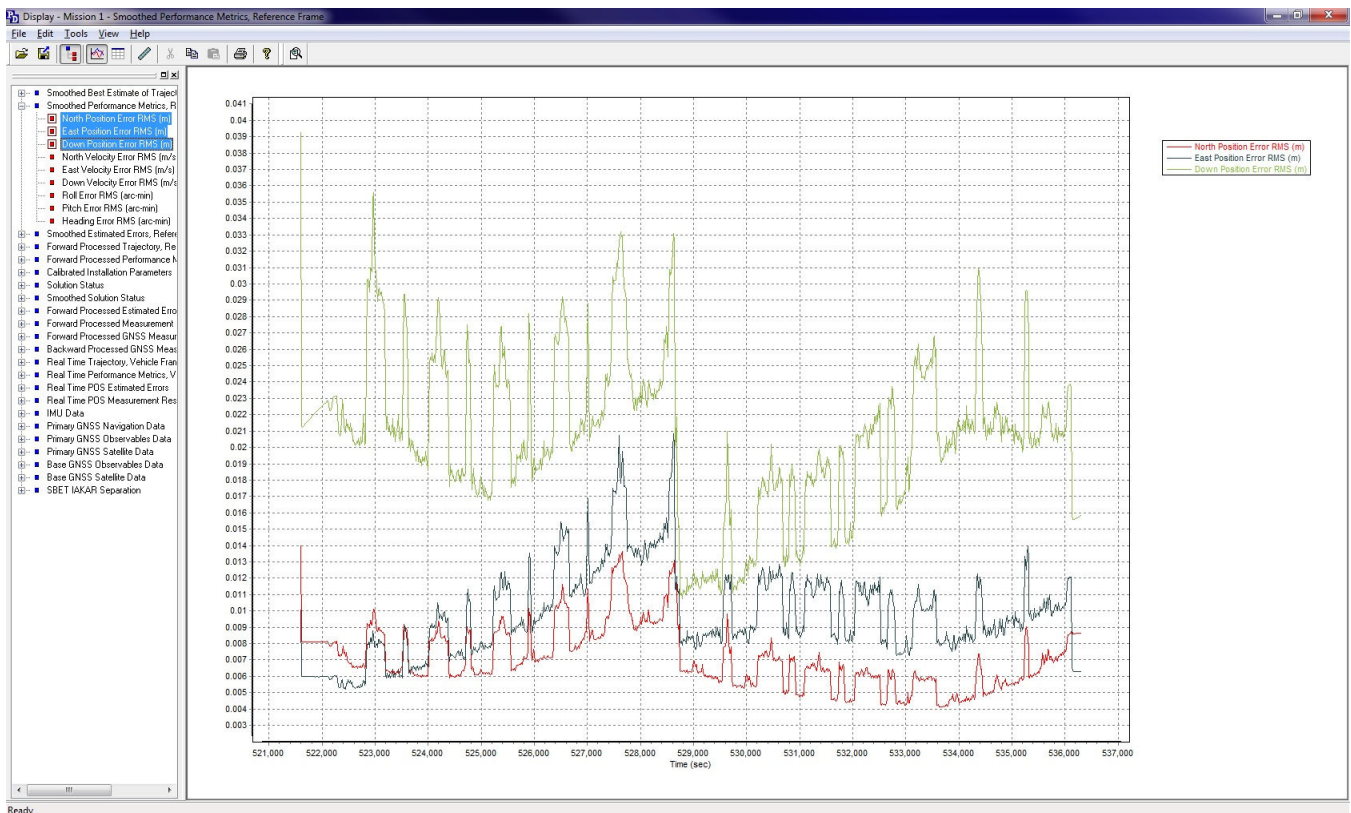
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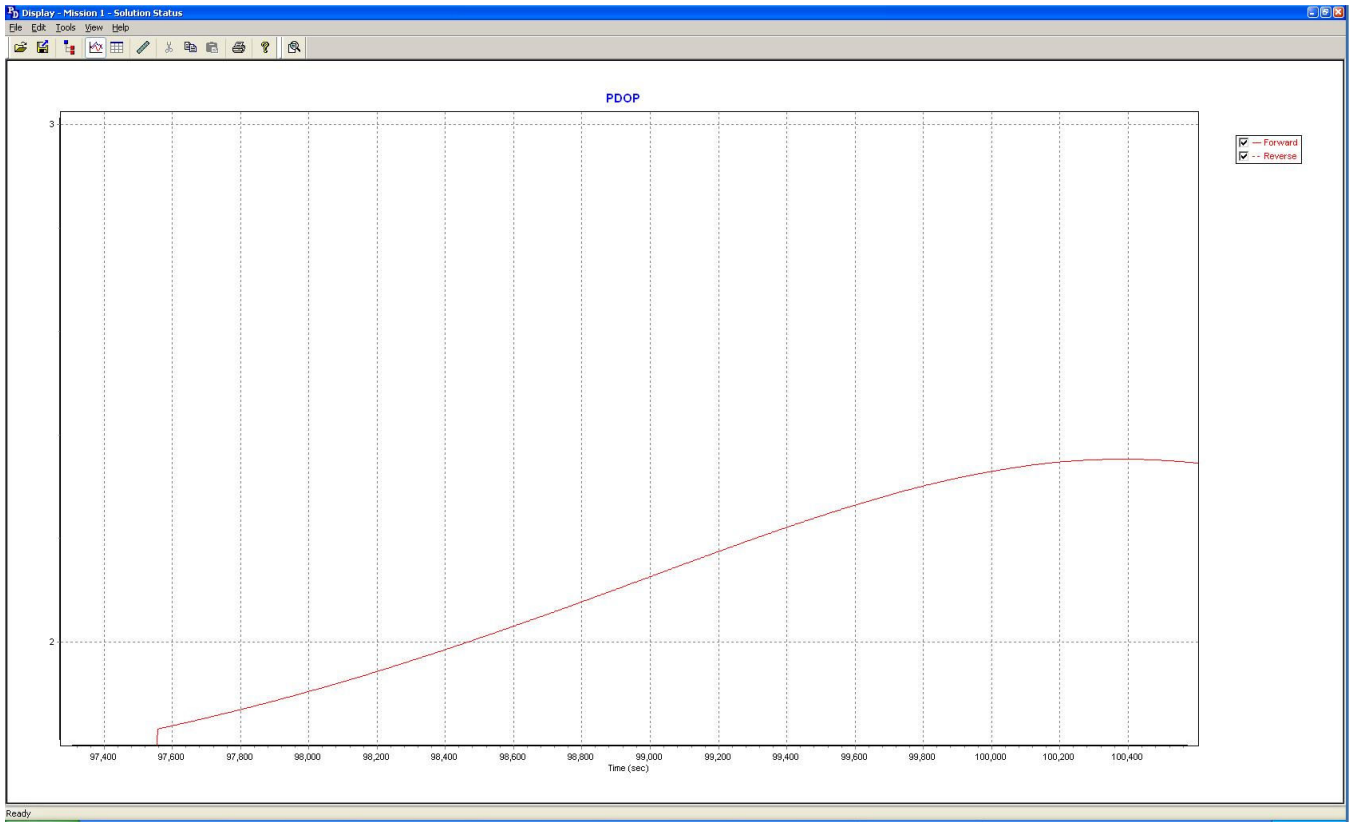
L122912A PDOP



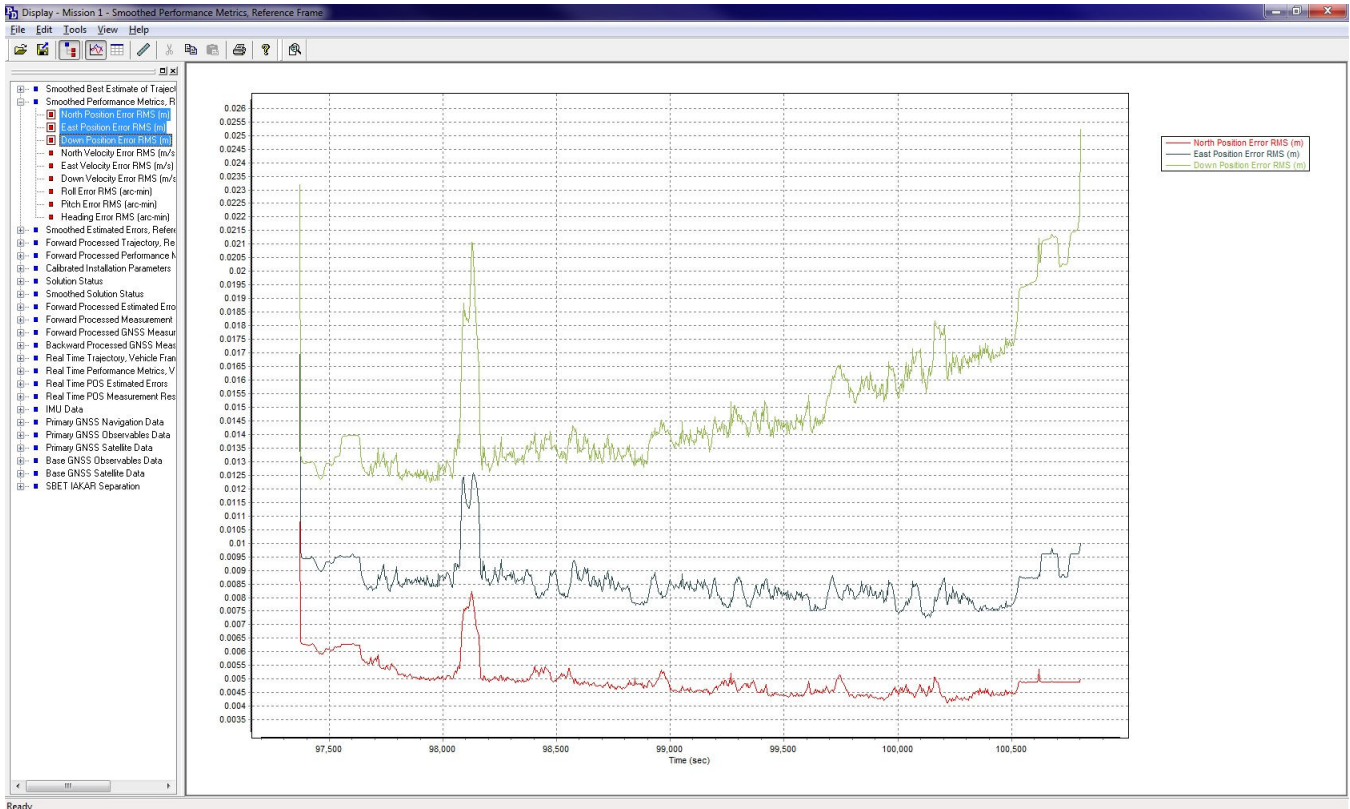
L122912A Combined Separation



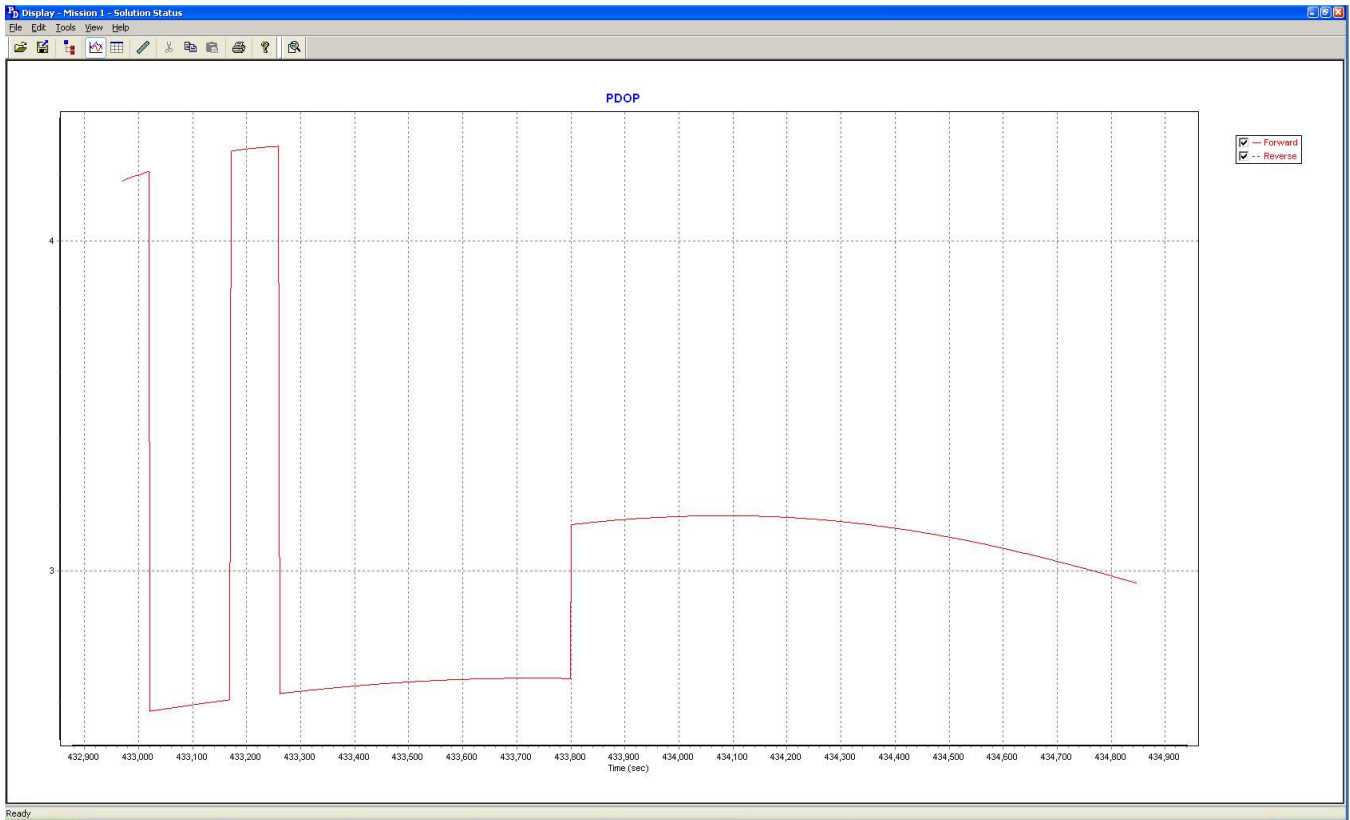
L123112A PDOP



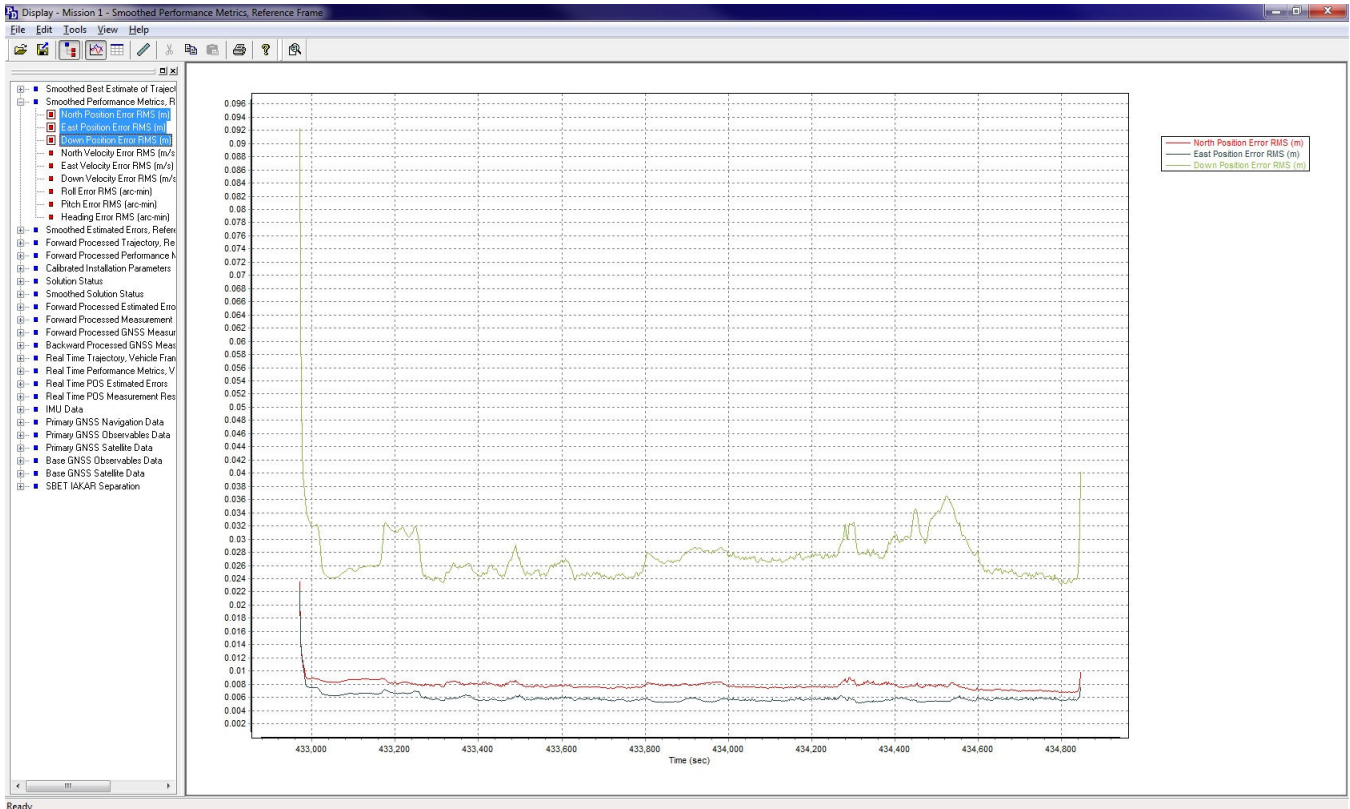
L123112A Combined Separation



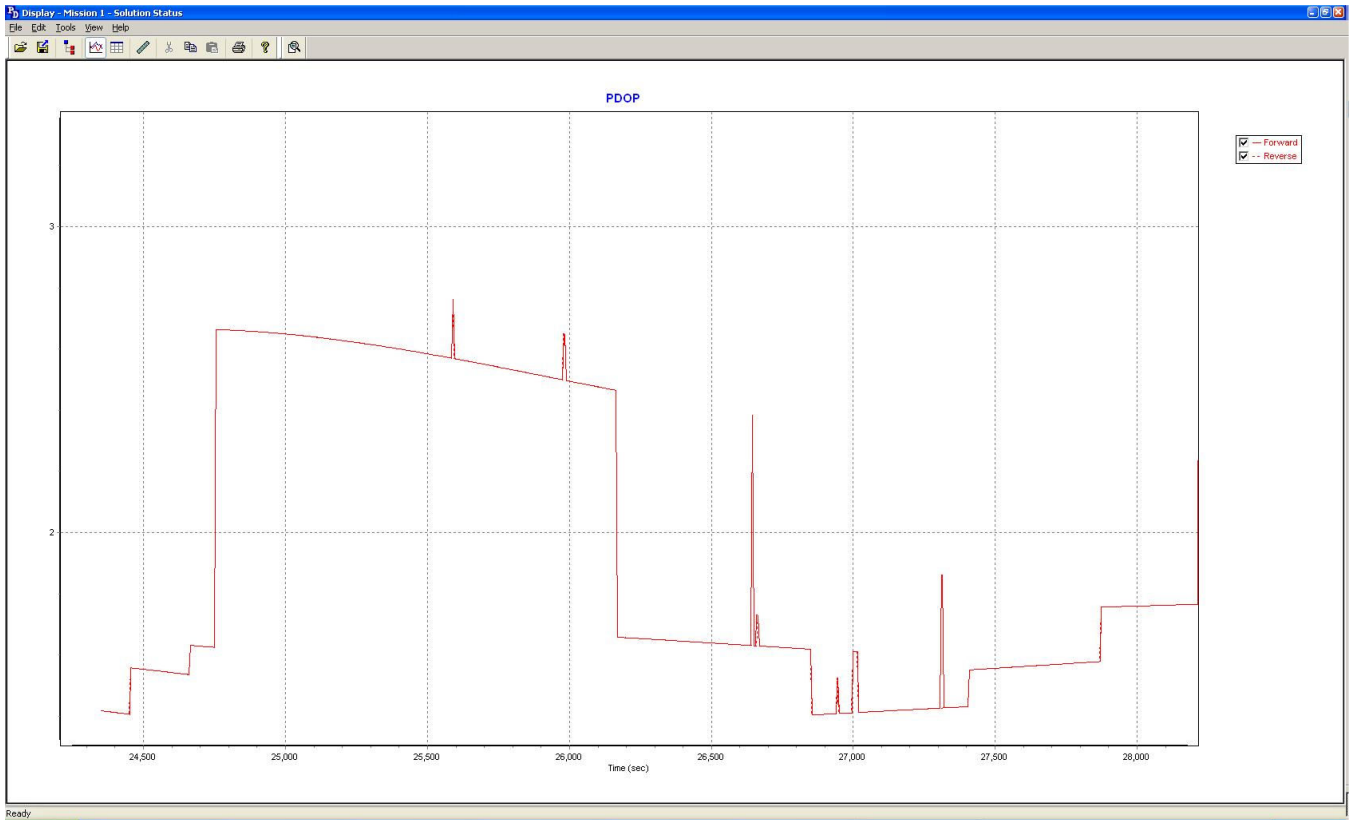
L010413A PDOP



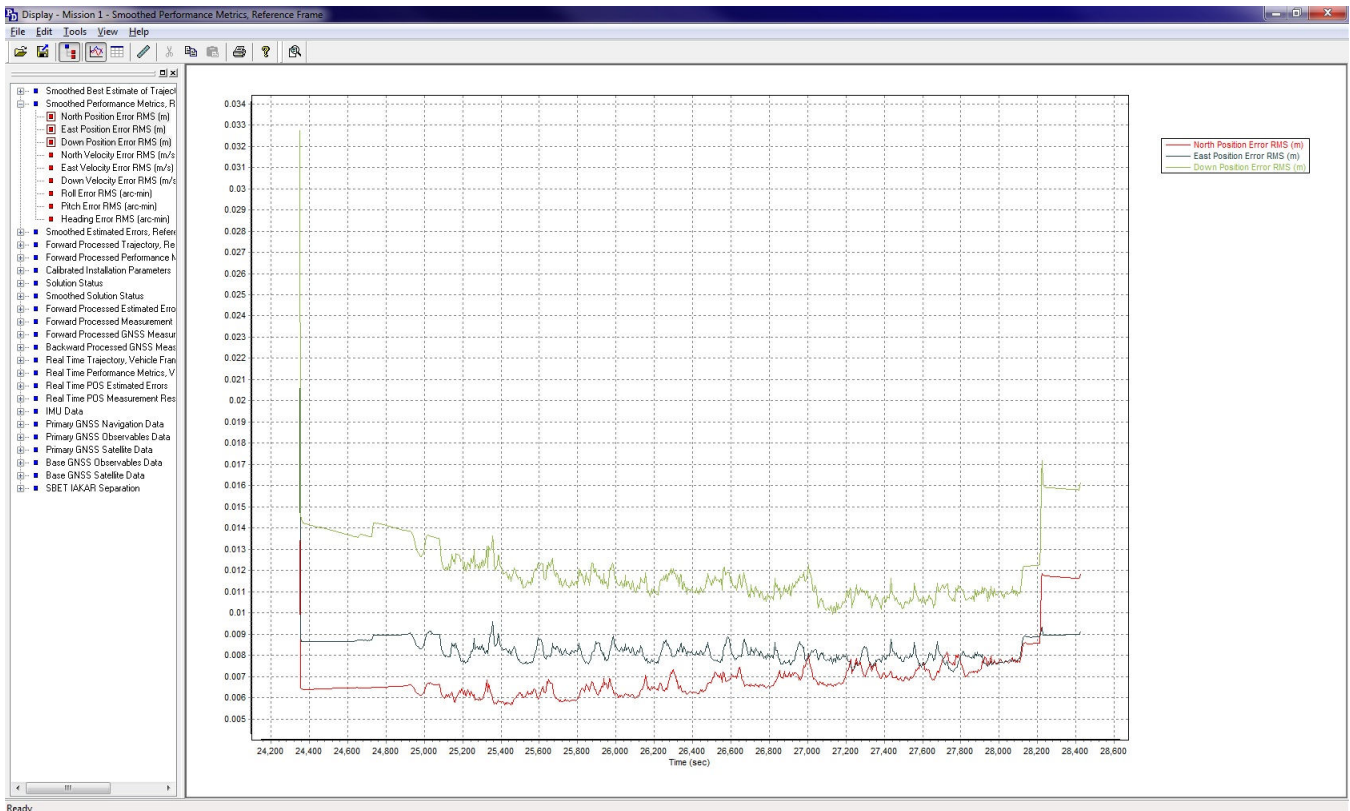
L010413A Combined Separation



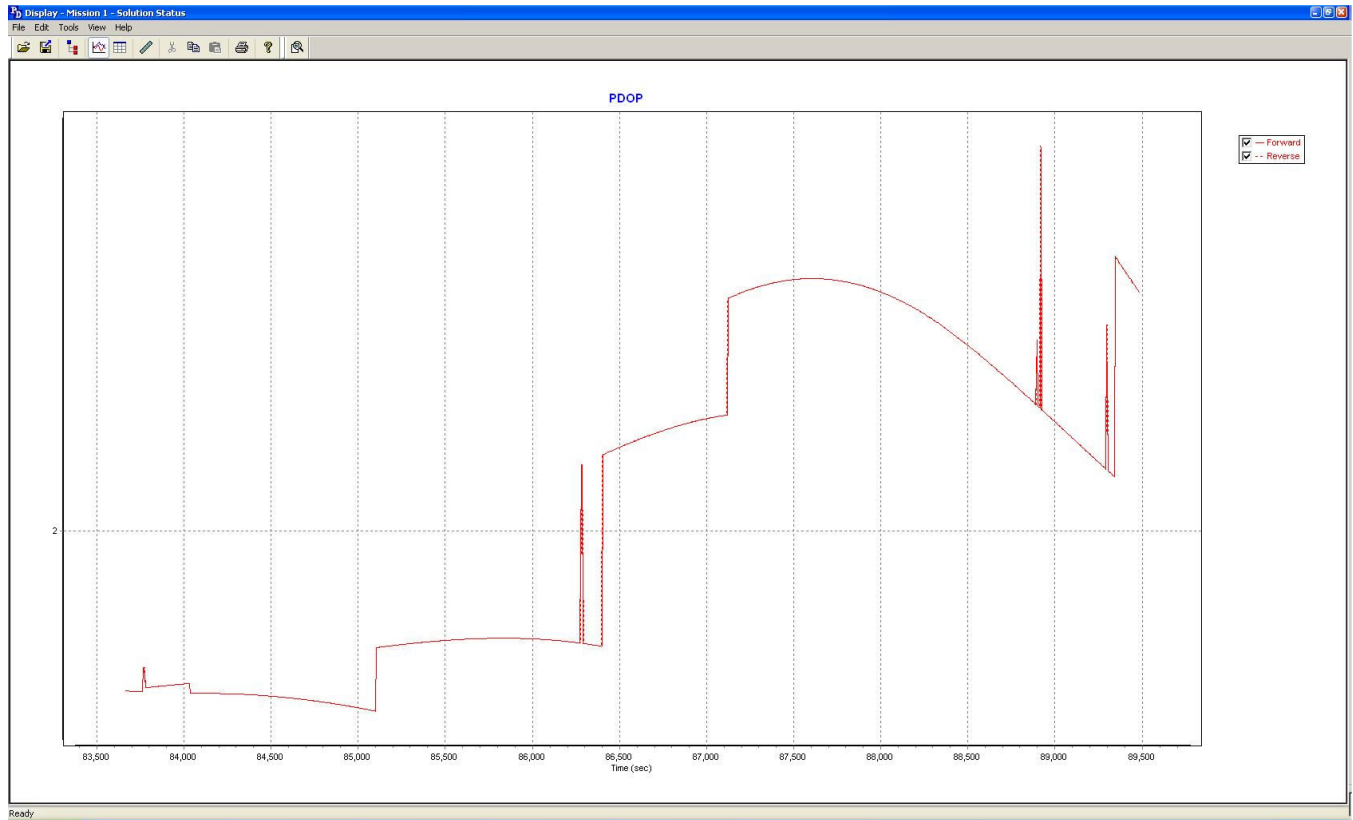
L010613A PDOP



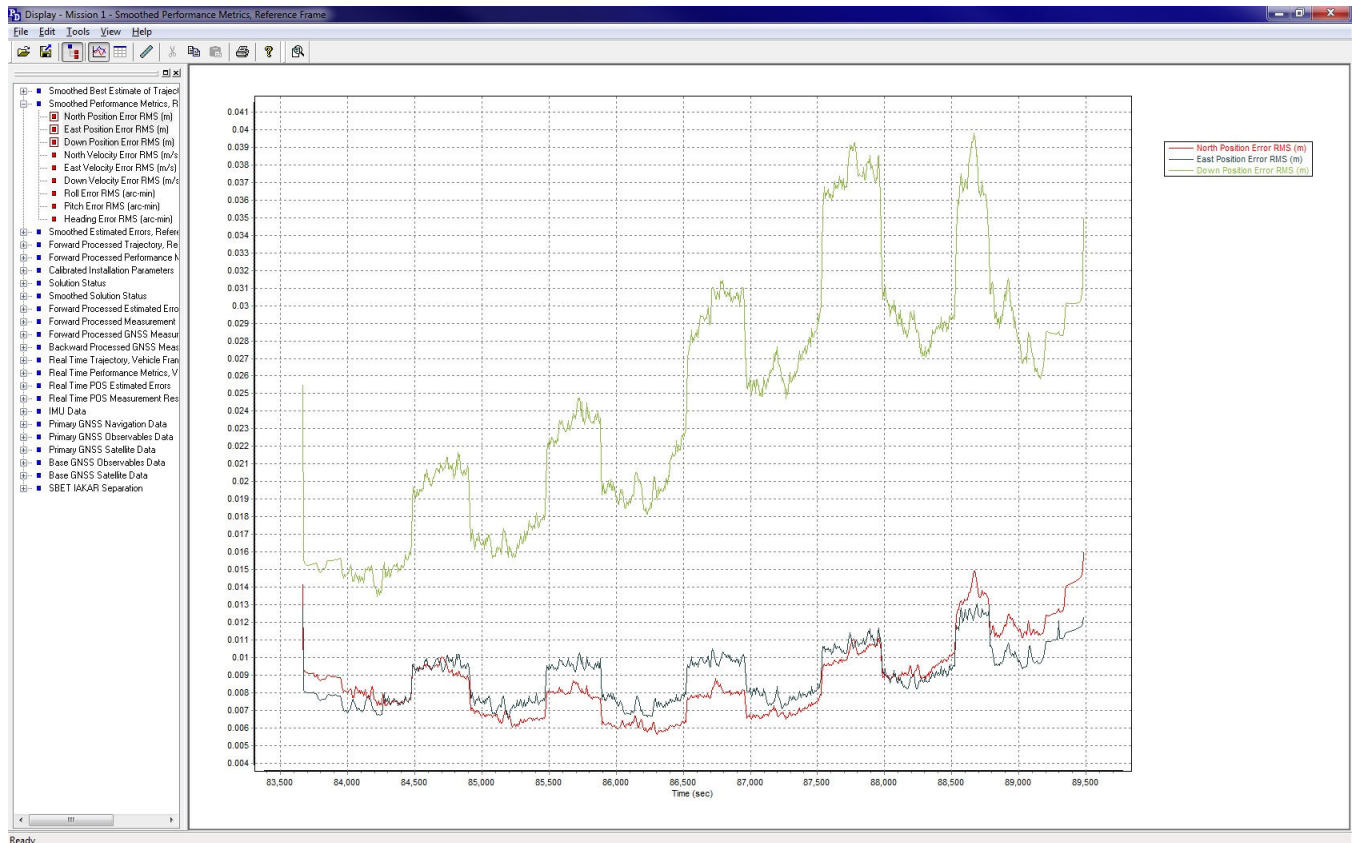
L010613A Combined Separation



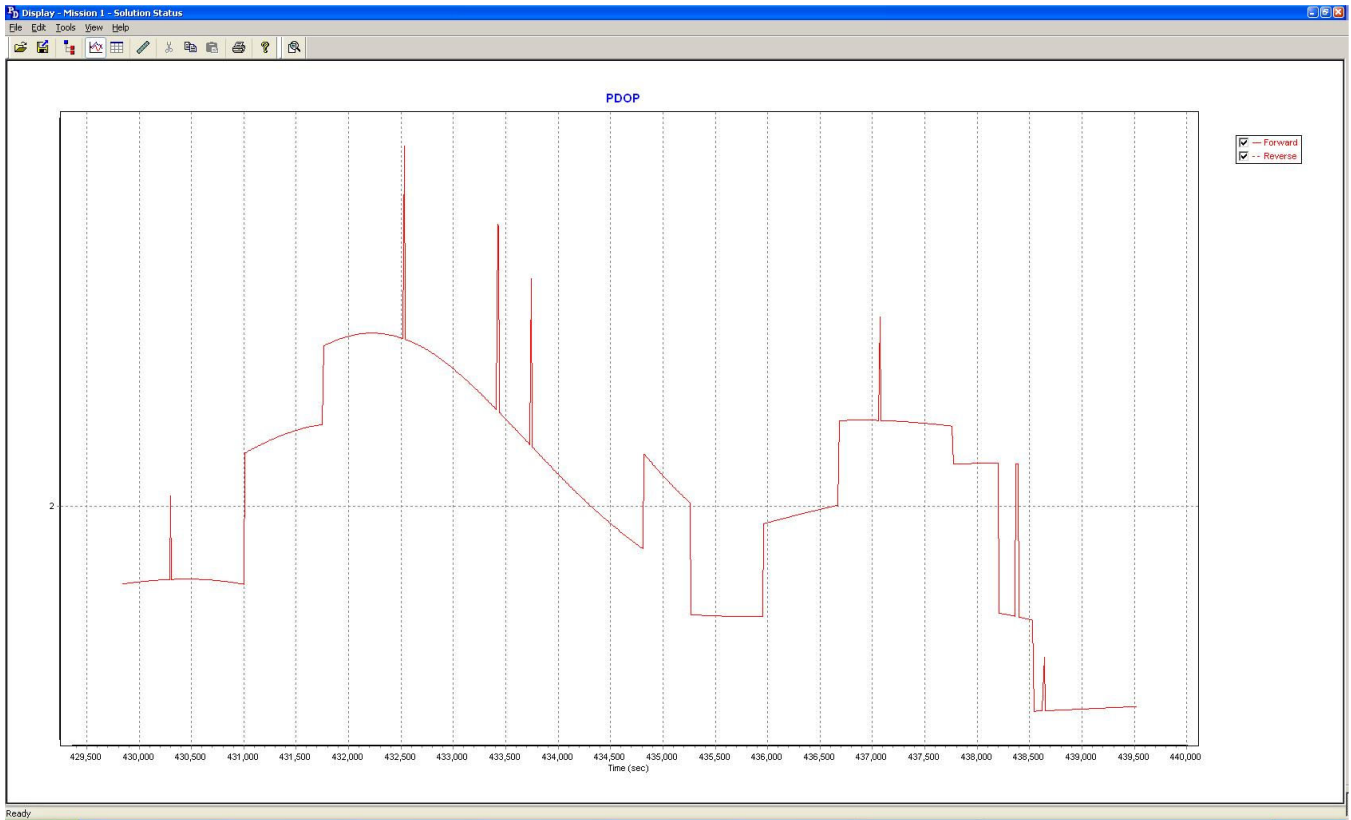
L010713A PDOP



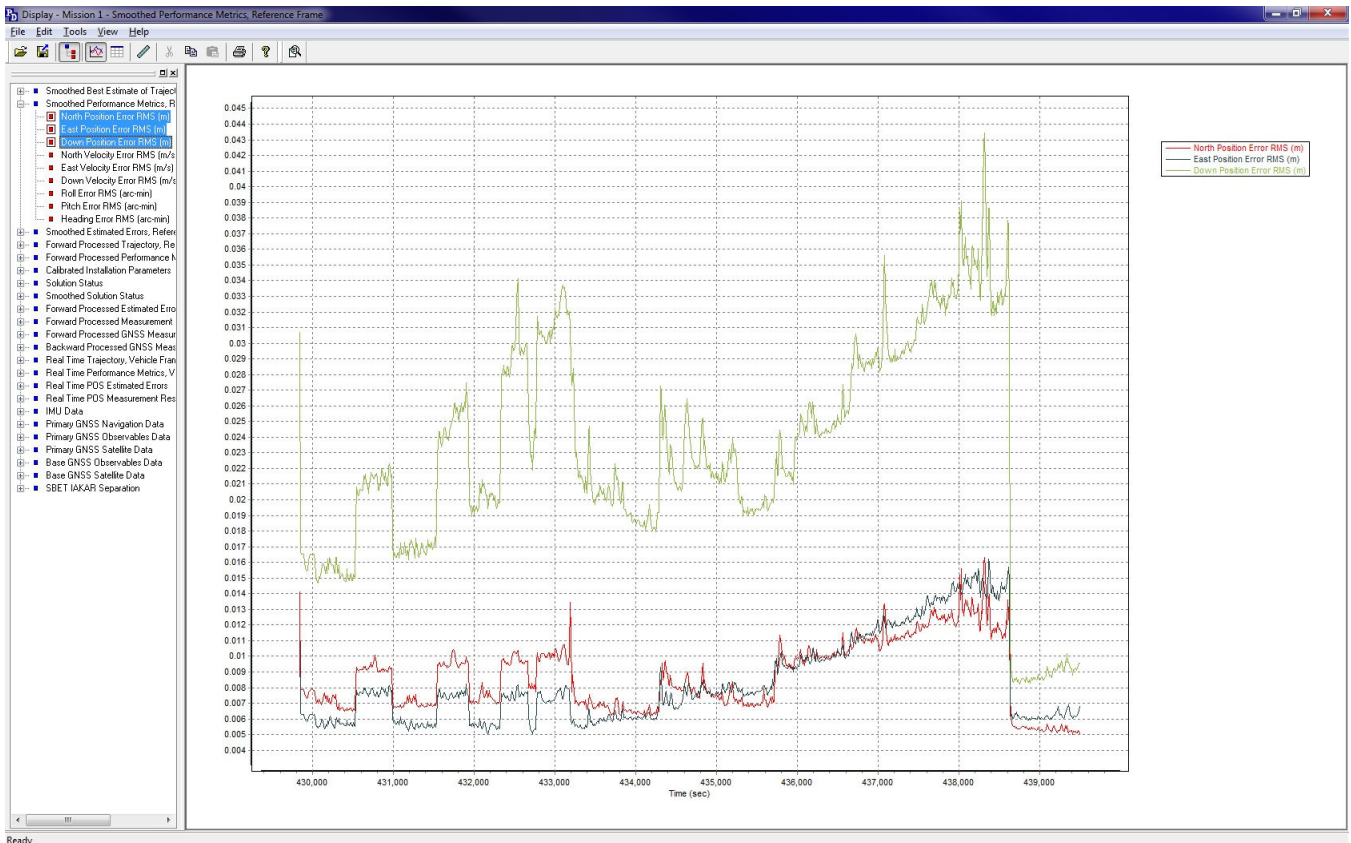
L010713A Combined Separation



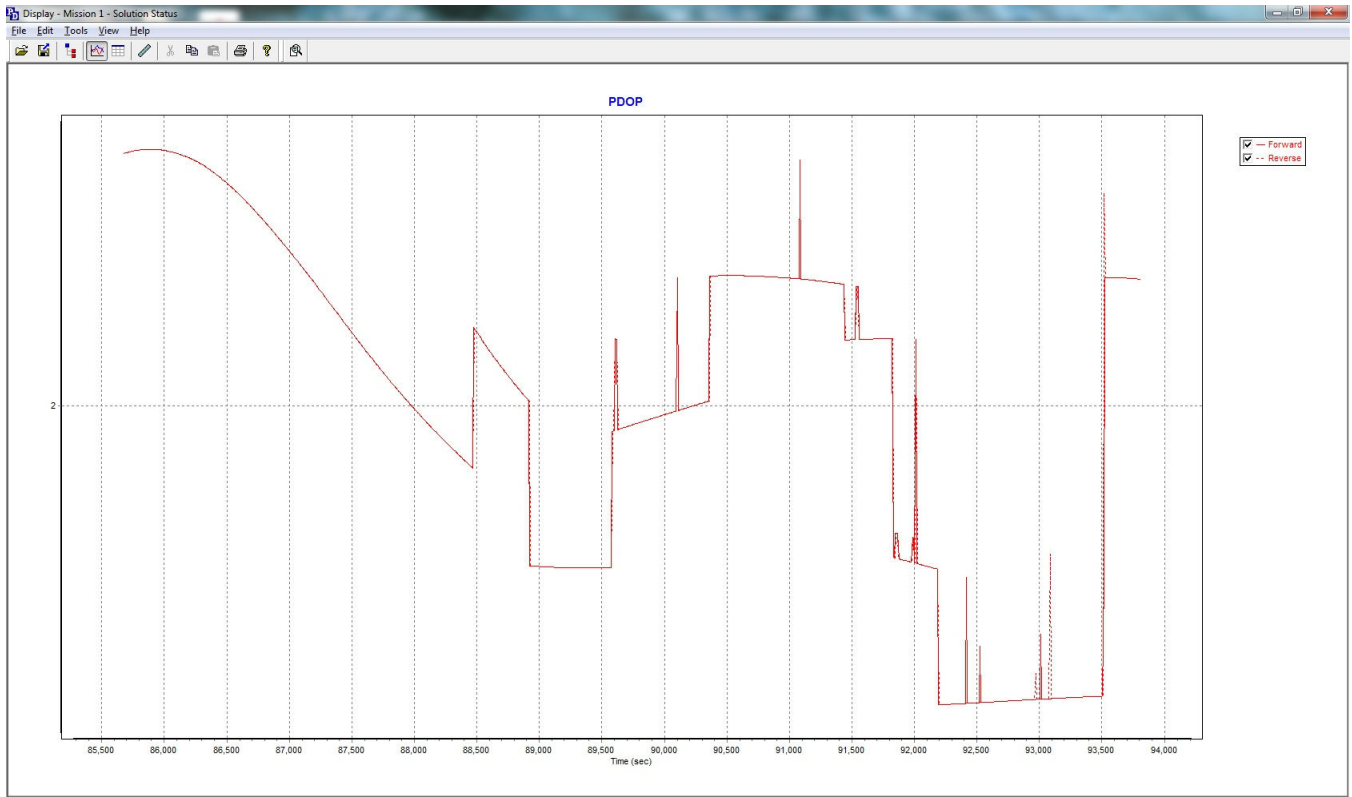
L011113A PDOP



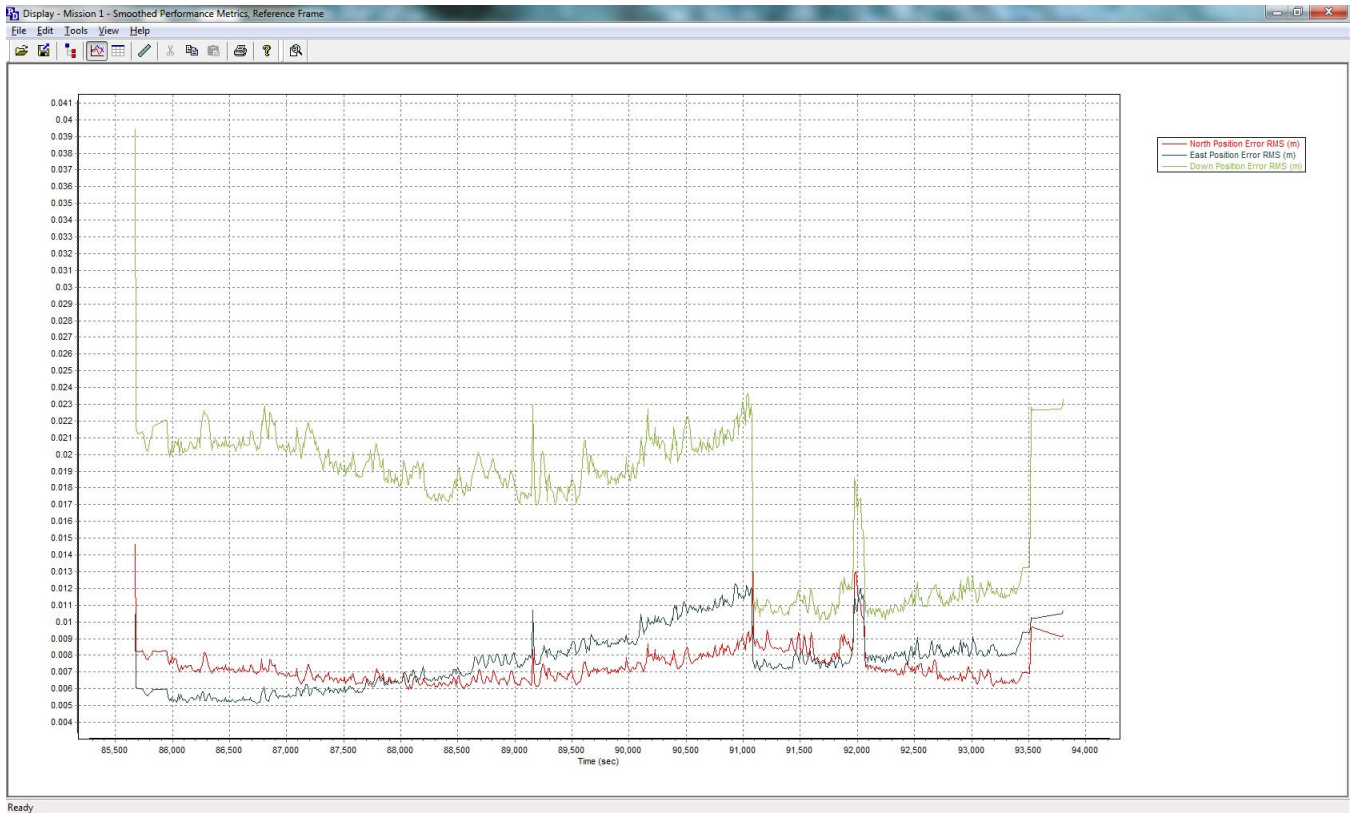
L011113A Combined Separation



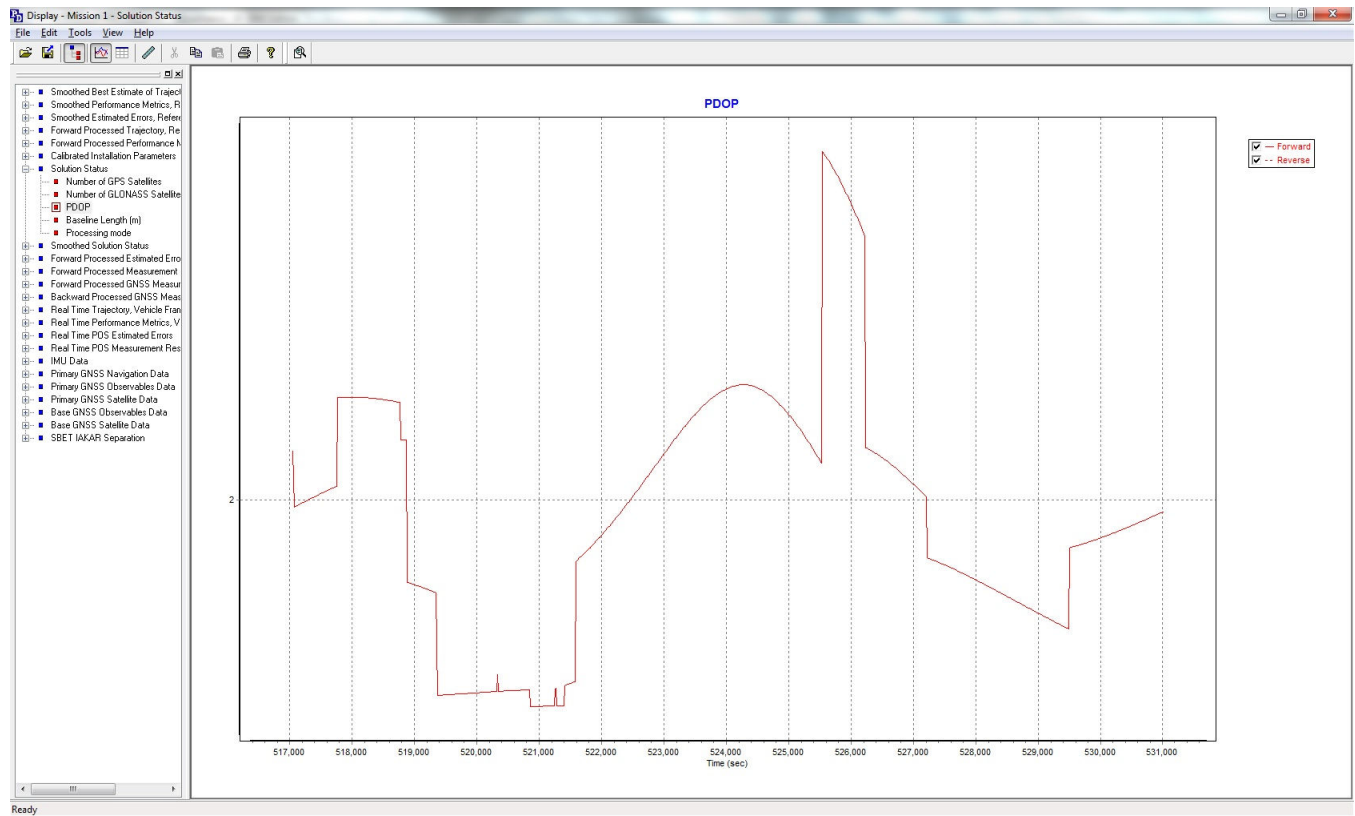
L011413A PDOP



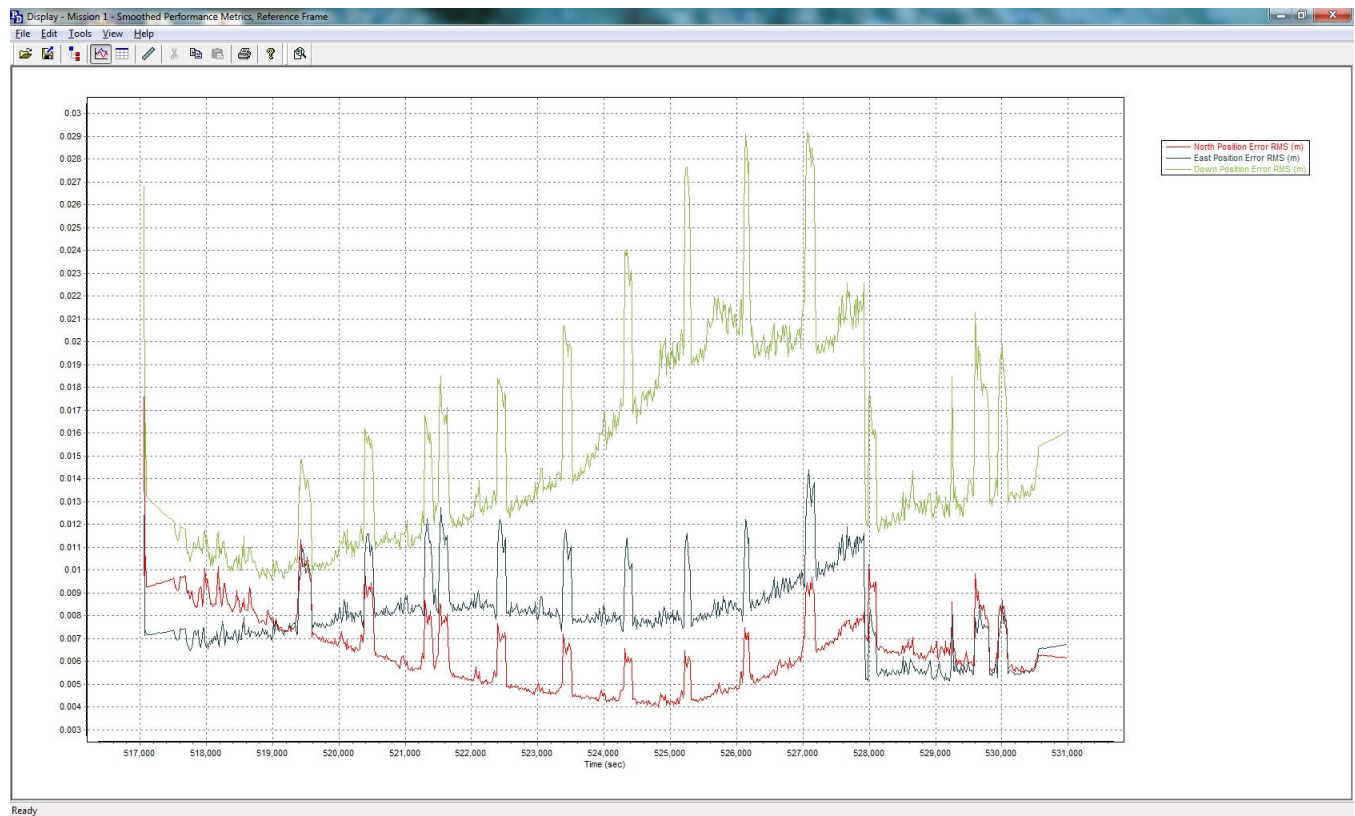
L011413A Combined Separation



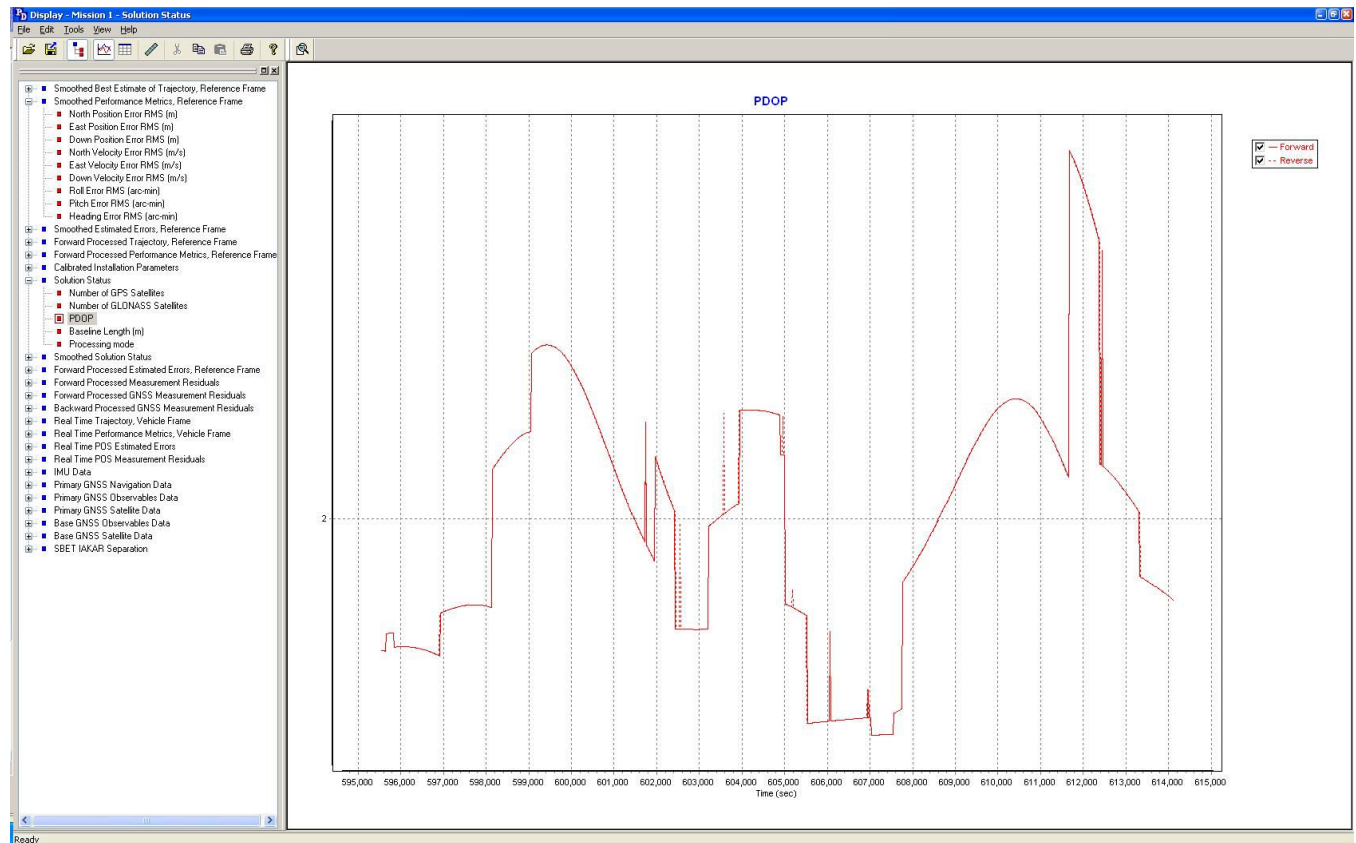
L020213A PDOP



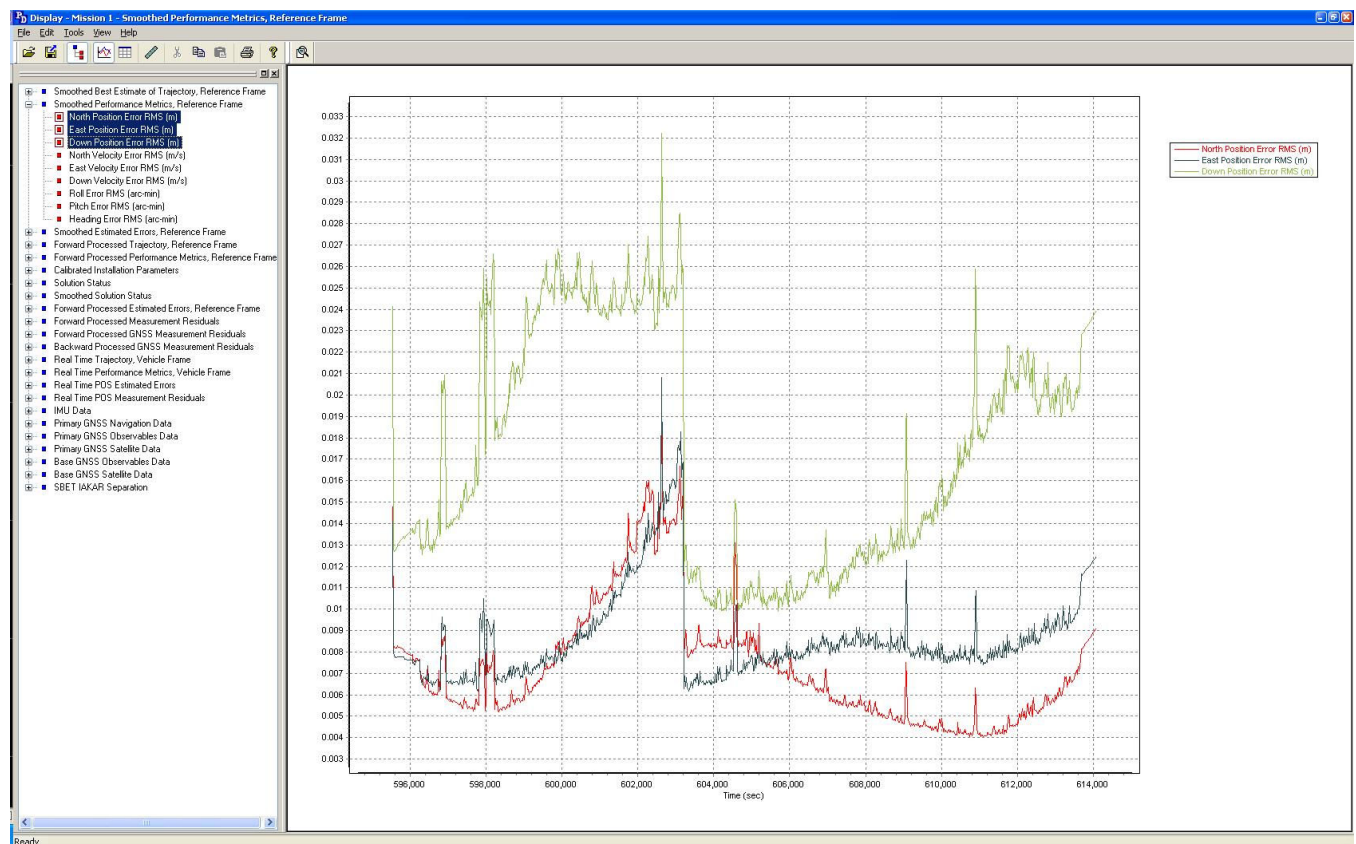
L020213A Combined Separation



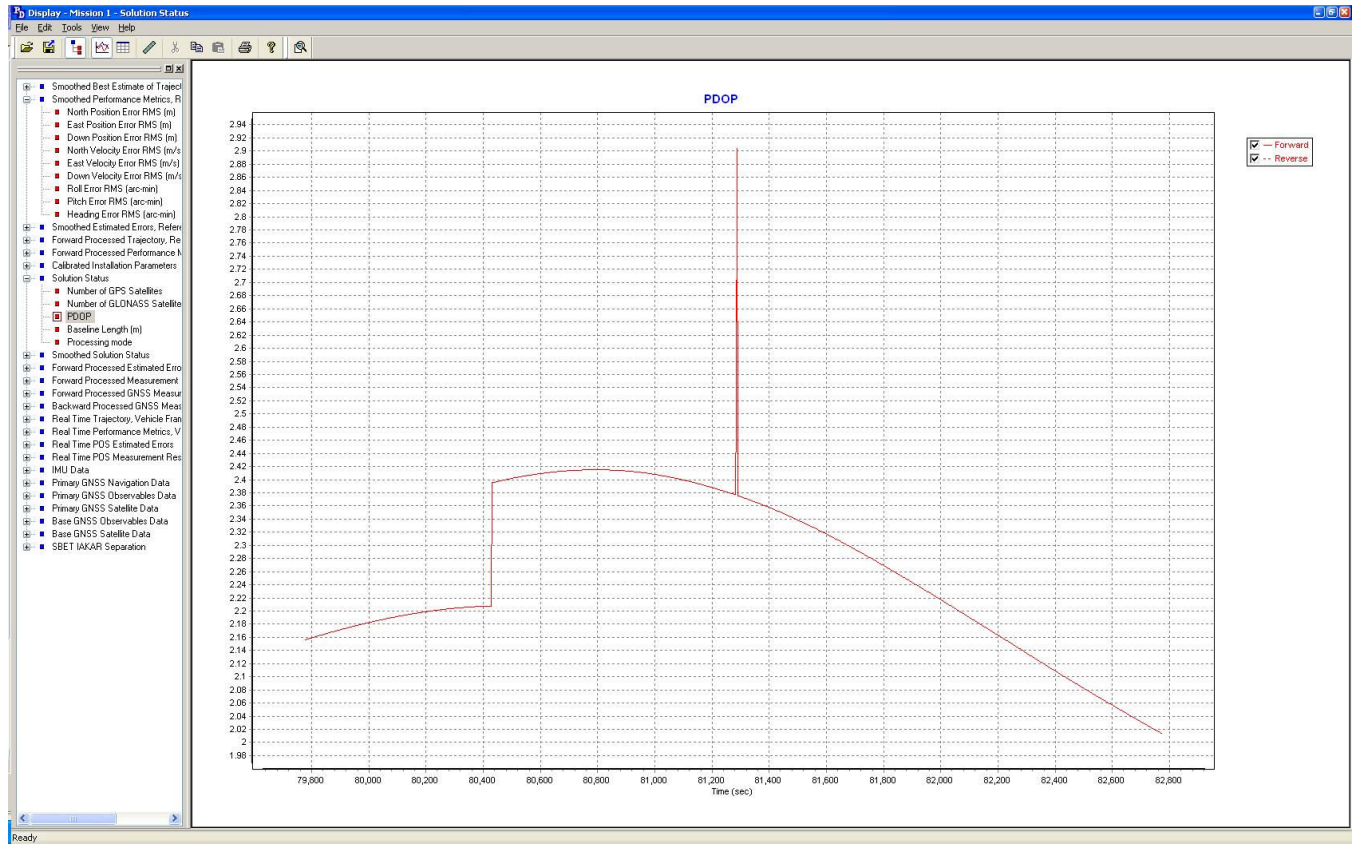
L020313A PDOP



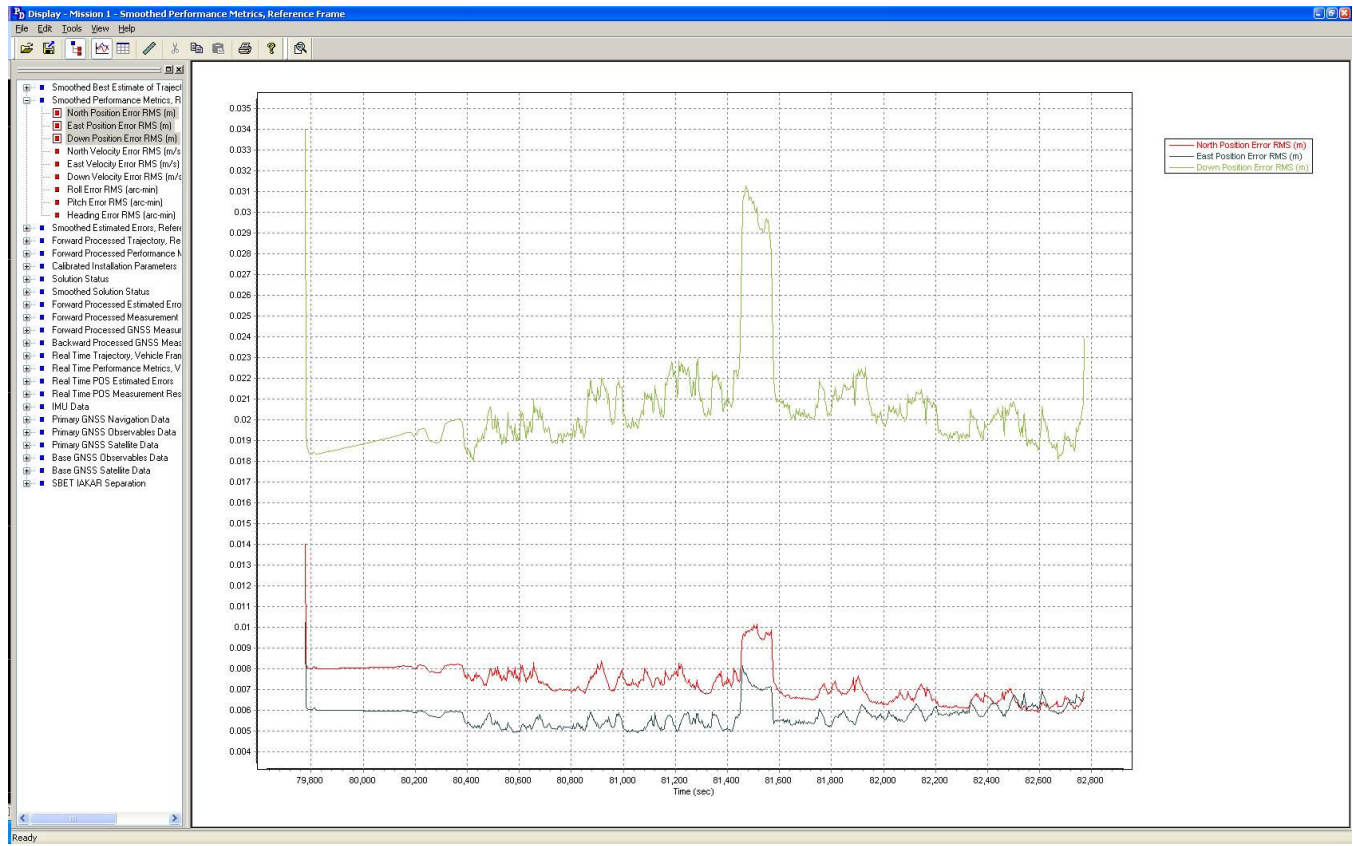
L020313A Combined Separation



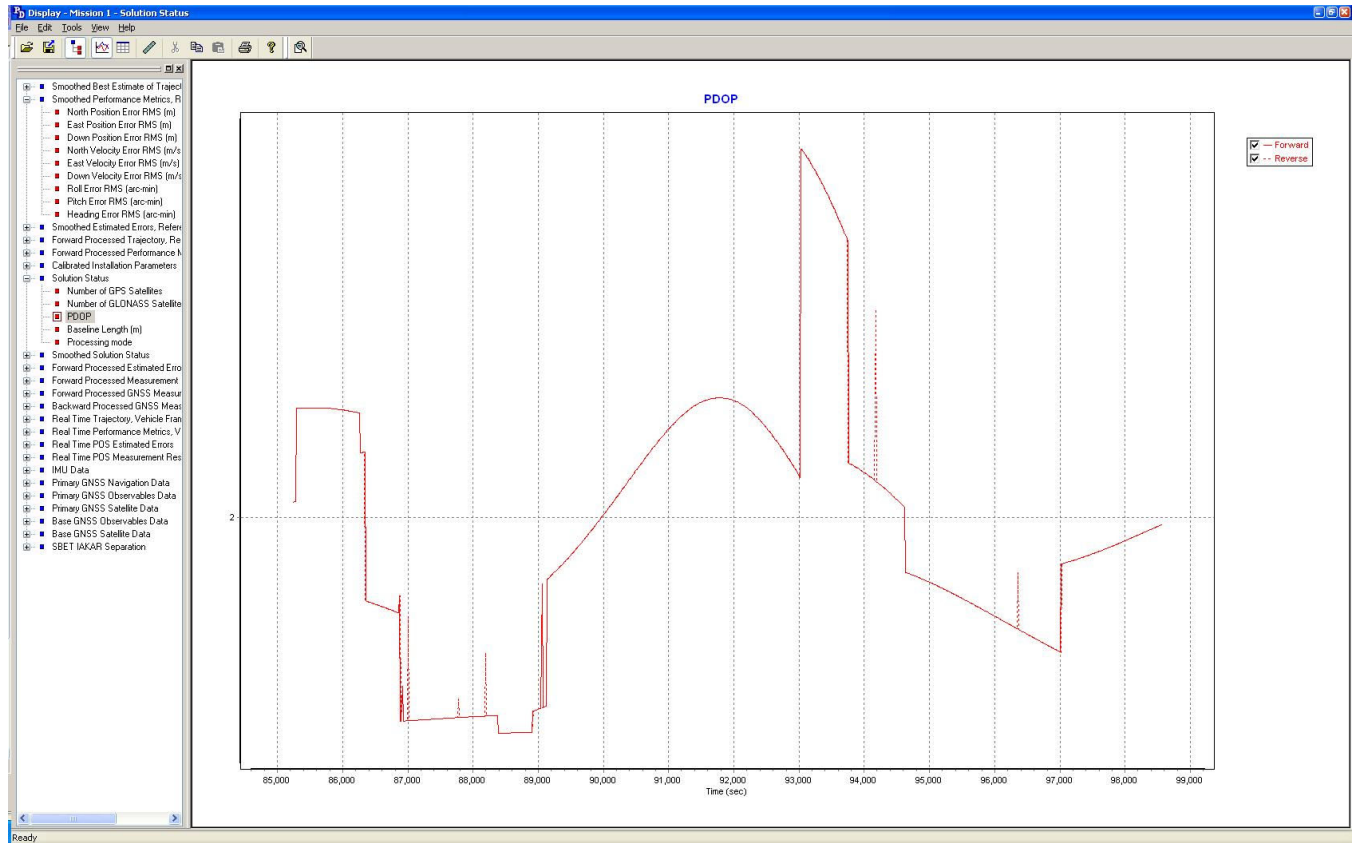
L020413A PDOP



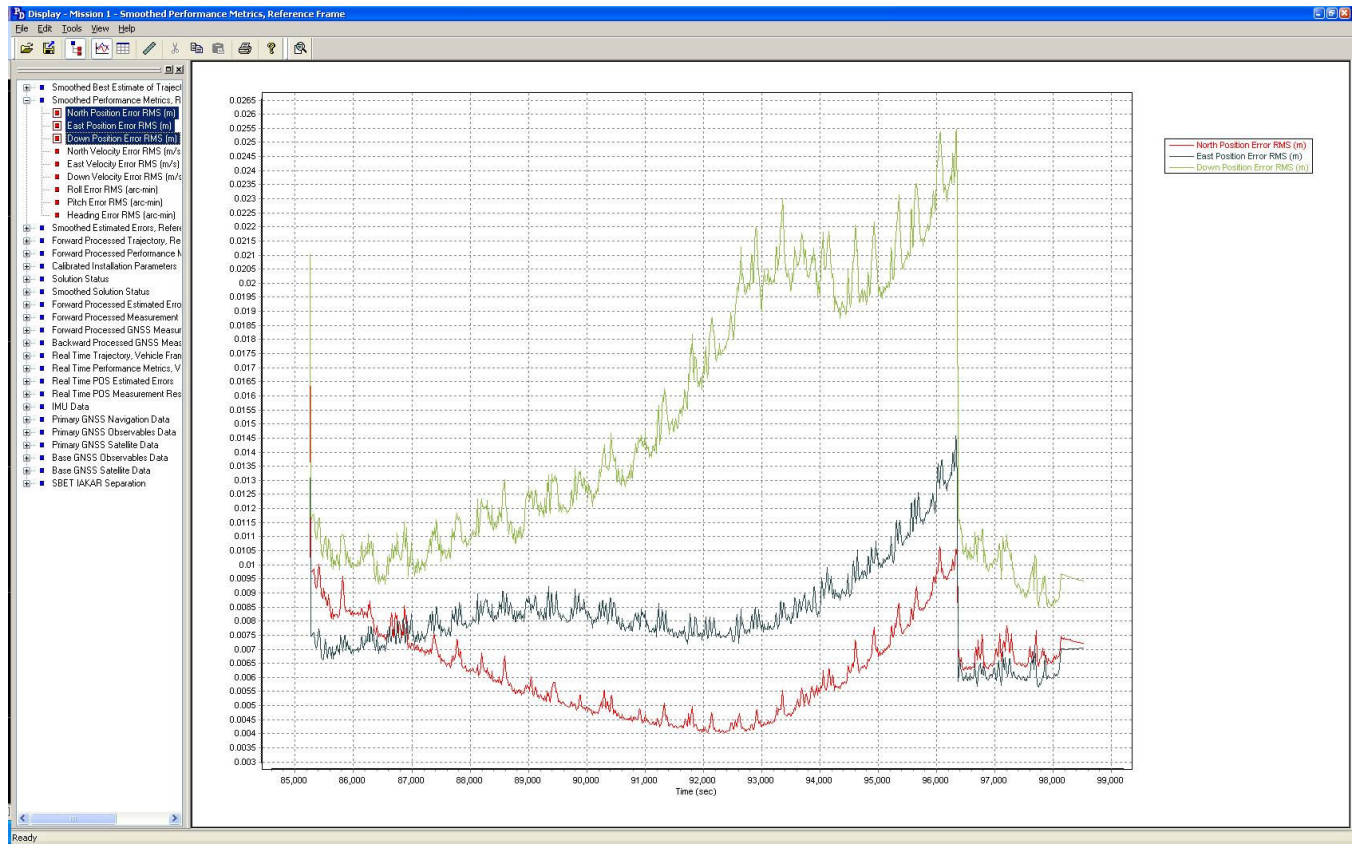
L020413A Combined Separation



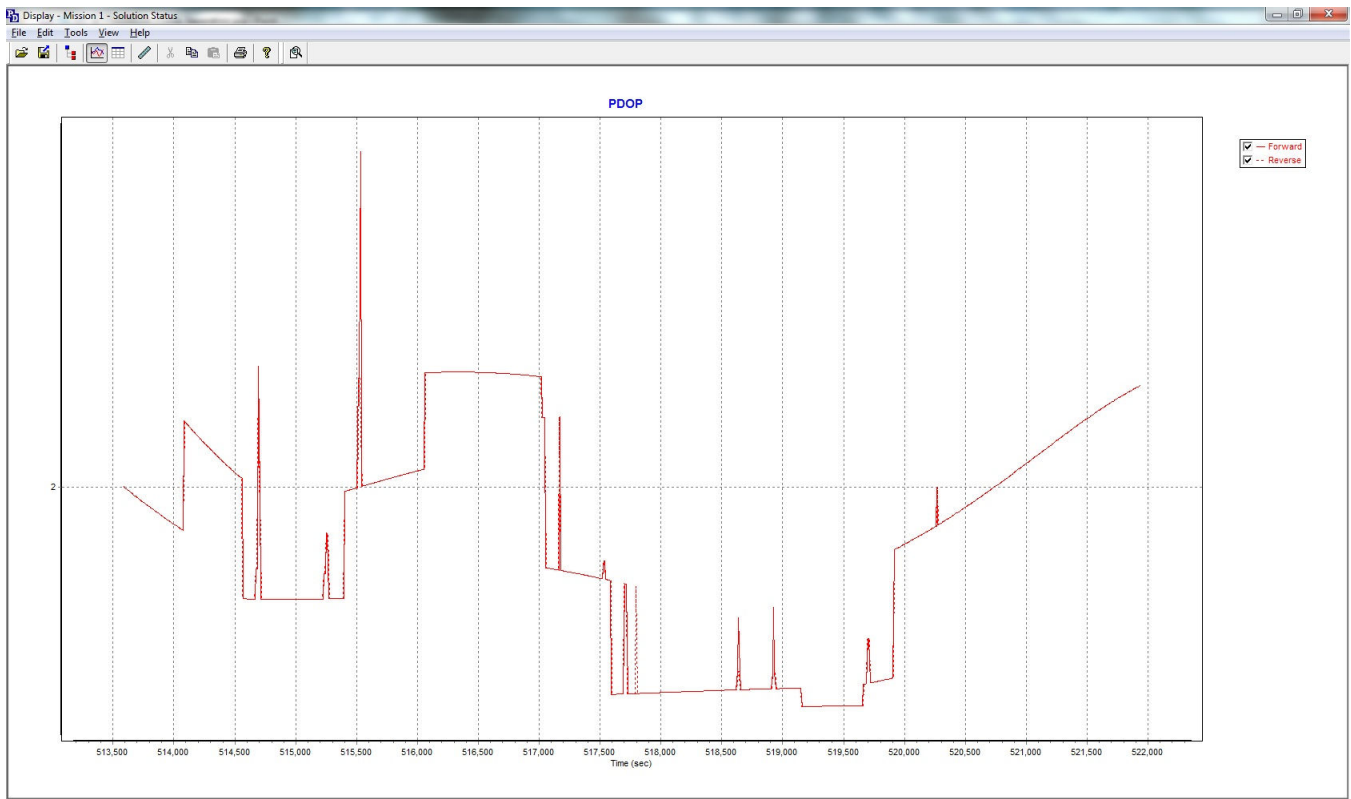
L020213B PDOP



L020213B Combined Separation

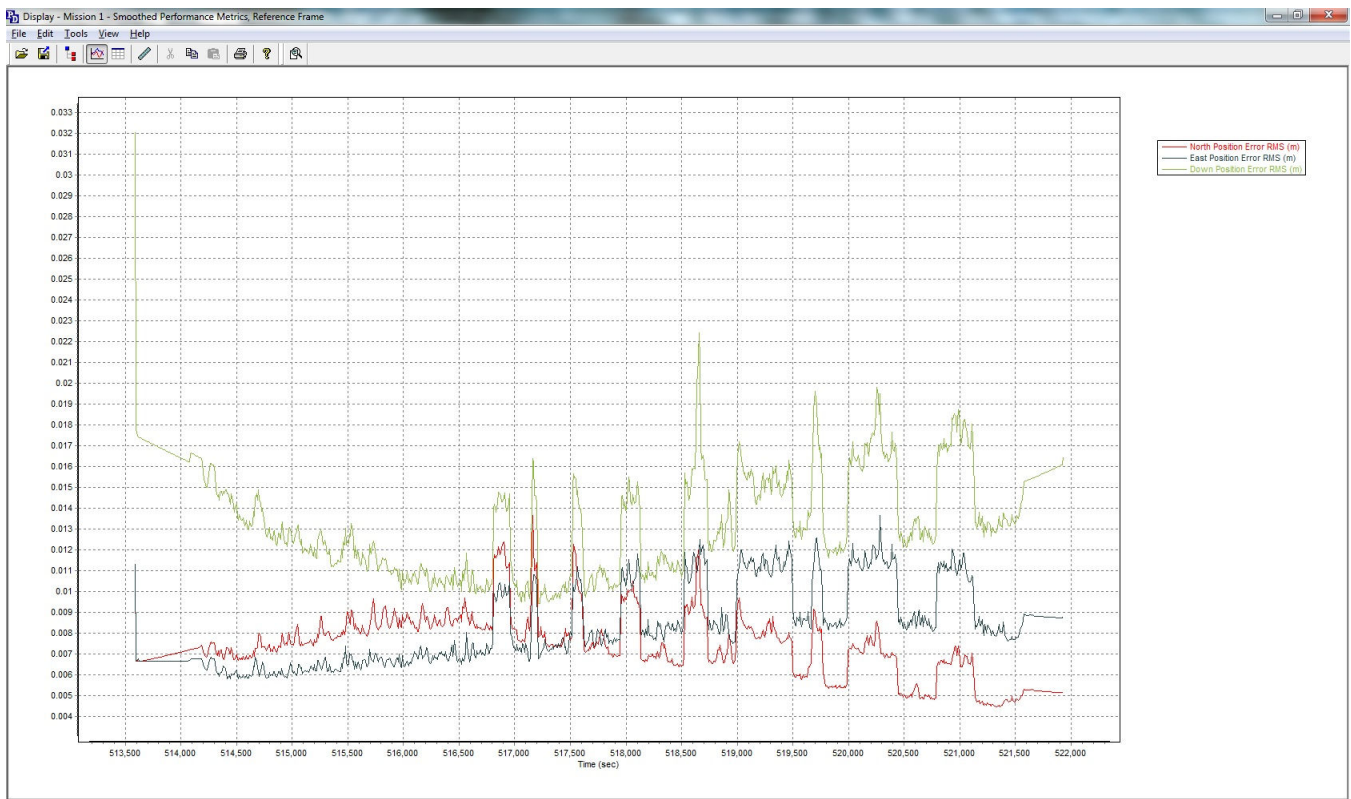


L020913A PDOP



Ready

L020913A Combined Separation



Ready

9 CONTROL REPORT QA QC

Output Control Report on check points collected across the Guam project area and used to calibrate LiDAR data position.

:\1111105\Lidar\000_Geomatics_For_LiDAR\AME_control_WGS84_UTM55m_GUVD04.txt

Number	Easting	Northing	Known Z	Laser Z	Dz
1002	246973.739	1467932.997	2.130	2.290	+0.160
904	272398.983	1497244.652	131.080	131.220	+0.140
914	271355.754	1497281.229	127.126	127.240	+0.114
1001	266565.795	1505769.159	149.041	149.130	+0.089
1013	247366.653	1467756.799	4.615	4.690	+0.075
1006	262290.930	1494518.591	2.867	2.940	+0.073
1003	248372.377	1483686.656	29.418	29.480	+0.062
902	246915.496	1468080.623	4.952	4.990	+0.038
1011	267776.244	1508925.382	148.053	148.090	+0.037
1018	267550.017	1491974.269	135.546	135.580	+0.034
1019	259656.492	1482946.415	8.059	8.090	+0.031
911	256090.205	1469173.415	1.874	1.900	+0.026
1005	265601.725	1489495.224	111.966	111.990	+0.024
1017	265448.893	1489217.911	105.872	105.880	+0.008
1014	251943.028	1482157.023	149.833	149.840	+0.007
916	252724.478	1489156.902	167.463	167.460	-0.003
1016	268214.501	1491282.915	27.996	27.990	-0.006
915	274526.686	1499644.765	159.759	159.750	-0.009
1015	265666.648	1496070.564	98.413	98.400	-0.013
1004	263669.808	1495413.785	70.026	70.010	-0.016
905	257092.121	1490888.655	2.455	2.430	-0.025
901	257681.434	1472525.907	104.869	104.840	-0.029
912	258541.425	1478112.142	7.417	7.370	-0.047
1012	255972.024	1468324.086	2.653	2.600	-0.053
1020	256565.184	1484084.968	92.888	92.830	-0.058
917	256196.354	1490372.327	53.976	53.900	-0.076
906	245808.368	1489687.940	2.720	2.610	-0.110
903	245453.555	1478689.677	2.139	2.020	-0.119

Average dz	+0.013
Minimum dz	-0.119
Maximum dz	+0.160
Average magnitude	0.053
Root mean square	0.068
Std deviation	0.068

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USGS – Island of Guam

AERO-METRIC Project No. 1-111105

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**US Geological Survey
NGTOC III, Rolla, MO**

Island of Guam

GPS Ground Survey Report

**AERO-METRIC, INC.
4020 Technology Parkway
Sheboygan, WI 53083**

AERO-METRIC Project No. 1-111105

Abstract

Aero-Metric, Inc. established accurate photo control coordinates for the Island of Guam. The information allows photogrammetrists to position aerial photography and LiDAR data and maintain the standards published by the Federal Geographic Data Committee. One hundred fifty-three (153) ground control points (checkpoints) were established to validate the accuracy of the photographic and LiDAR products.

Ground control surveys were completed between February 29 and March 8, 2012.

The ground control surveys were completed for the project site, under Task Order No. G11PD01563, Contract No. G10PC00025 entered into on September 19, 2011 between the US Geological Survey – NGTOC III and Aero-Metric, Inc.

General Outline

- GPS equipment utilized for project.

GPS measurements used Wild/Leica System 500 receivers to support the ground checkpoint surveys. The Wild/Leica System 500's are dual frequency, multi-channelled receivers.

GPS equipment used to facilitate the GPS processing (i.e. that were incorporated into the GPS adjustment) included an ASHTECH UZ-12 receiver and a Trimble NETR5 receiver as downloaded through the National Geodetic Survey (NGS) Continuously Operated Reference Stations (CORS) web site.

- Conditions Affecting Progress.

CORS station GUUG was not recording data during parts or all of Julian days 61 through 64 causing a change in planned GPS sessions.

Data collected on February 29 and March 1 did not post process as expected. Solar effects due to the proximity to the equator and inconsistent data from GUUG are possible causes that effected the baseline processing. The problems were eliminated by increasing the observation times and shortening the baseline distances.

Horizontal and Vertical Control

Base horizontal control for the check point surveys consisted of two NGS CORS stations: **GUAM** and **GUUG**.

Horizontal control is referenced to the Universal Transverse Mercator (UTM) Coordinate System – Zone 55, based on the World Geodetic System of 1984 (WGS84). Final coordinates are published in meters.

Base vertical control for the check point surveys consisted of four NGS First Order, Class II stations: **BEACH**, **GGN 0001**, **GGN 2205** and **YIGO GG**. The NGS Geoid Model GEOID09-GUAM was then applied to the computed ellipsoid heights that approximate the Guam Vertical Datum of 2004.

Vertical control is based on the Guam Vertical Datum of 2004 (GUV D04).

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

Ground 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). An adjustment was performed for analysis and quality closure holding the position and elevation of **GUAM** fixed, as shown below.

HORIZONTAL CLOSURES (in meters)

<u>STATION</u>	<u>NORTHING</u>	<u>EASTING</u>	<u>LINEAR</u>	<u>DISTANCE</u>	<u>PROPORTION</u>
GUUG	0.003	0.028	0.028	18682.7	1: 663000

VERTICAL CLOSURES (in meters)

<u>STATION</u>	<u>ADJUSTED ELEVATION</u>	<u>PUBLISHED ELEVATION</u>	<u>DIFFERENCE</u>	<u>DISTANCE</u>	<u>ALLOWABLE 3rd ORDER CLOSURE</u>
BEACH	1.828	1.858	0.030	34307.2	0.070
GGN 0001	10.788	10.752	0.036	19233.1	0.053
GGN 2205	104.917	104.971	0.054	32942.5	0.069
YIGO GG	140.733	140.779	0.046	6148.7	0.030

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. NGS vertical control station **NCS** was also observed, but not constrained as its position differed by more than 0.5m from published.

The final WGS84 horizontal network adjustment and the final GUV D04 vertical network adjustment were computed separately due to their different datum ellipsoids.

Point Types

A minimum of 20 ground check points were observed in five different land cover categories (open terrain, urban, tall weeds, brush, forested) to be used by USGS for LiDAR assessment. Another 20 photo identifiable check points were observed in open terrain to be used by USGS for ortho-photo validation. In addition to the previously mentioned 105 points, another 28 photo identifiable control points were observed for Aero-Metric's use in controlling the photography and LiDAR data.

Comments

If you should have any questions about the Survey Control Report provided please contact:

AERO-METRIC, INC.
Attn: Robert Merry
4020 Technology Parkway
Sheboygan, WI 53083
(920) 457-3631
rmerry@aerometric.com

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

```

DATABASE = NGSIDB , PROGRAM = datasheet95, VERSION = 7.87.6
1      National Geodetic Survey,   Retrieval Date = MARCH  3, 2012
TW0372 *****
TW0372 DESIGNATION - BEACH
TW0372 PID          - TW0372
TW0372 STATE/COUNTY- GU/GUAM
TW0372 USGS QUAD   - AGAT (1975)
TW0372
TW0372                      *CURRENT SURVEY CONTROL
TW0372
TW0372* NAD 83(1993)- 13 21 52.39964(N)      215 20 59.17530(W)      ADJUSTED
TW0372* GUVD04      -          1.858 (meters)      6.10 (feet) ADJUSTED
TW0372
TW0372 EPOCH DATE   -          2004.00
TW0372 X            - -5,062,302.089 (meters)      COMP
TW0372 Y            -  3,590,915.720 (meters)      COMP
TW0372 Z            -  1,464,686.808 (meters)      COMP
TW0372 LAPLACE CORR-          2.67 (seconds)      DEFLEC09
TW0372 ELLIP HEIGHT-          55.829 (meters)      (06/10/05) ADJUSTED
TW0372 GEOID HEIGHT-          53.97 (meters)      GEOID09
TW0372 HORZ ORDER  - A
TW0372 VERT ORDER  - FIRST      CLASS II
TW0372 ELLP ORDER  - THIRD      CLASS II
TW0372
TW0372.The horizontal coordinates were established by GPS observations
TW0372.and adjusted by the National Geodetic Survey in June 2005.
TW0372
TW0372.The horizontal coordinates are valid at the epoch date displayed above
TW0372.which is a decimal equivalence of Year/Month/Day.
TW0372
TW0372.The orthometric height was determined by differential leveling and
TW0372.adjusted in May 2005.
TW0372
TW0372.The X, Y, and Z were computed from the position and the ellipsoidal ht.
TW0372
TW0372.The Laplace correction was computed from DEFLEC09 derived deflections.
TW0372
TW0372.The ellipsoidal height was determined by GPS observations
TW0372.and is referenced to NAD 83.
TW0372
TW0372.The geoid height was determined by GEOID09.
TW0372
TW0372;                      North      East      Units Scale Factor Converg.
TW0372;UTM  55      - 1,478,657.878  245,500.540  MT  1.00040130  -0 32 36.4
TW0372
TW0372!                      - Elev Factor x Scale Factor = Combined Factor
TW0372!UTM  55      -  0.99999122 x  1.00040130 =  1.00039252
TW0372
TW0372|-----|
TW0372| PID      Reference Object                      Distance      Geod. Az |
TW0372|                      |                      |                      |
TW0372| DK2734 HAFA                      397.083 METERS 00840 |

```

TW0372| DK2738 GGN 1998 285.930 METERS 01241 |

TW0372|-----|

TW0372

TW0372 SUPERSEDED SURVEY CONTROL

TW0372

TW0372 NAD 83(1993)- 13 21 52.40879(N) 215 20 59.15822(W) AD(1993.62) 1

TW0372 ELLIP H (11/30/94) 56.405 (m) GP(1993.62) 5 1

TW0372 GU1963 - 13 21 47.23330(N) 215 21 07.87167(W) AD() 2

TW0372

TW0372.Superseded values are not recommended for survey control.

TW0372.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

TW0372.[See file dsdata.txt](#) to determine how the superseded data were derived.

TW0372

TW0372_U.S. NATIONAL GRID SPATIAL ADDRESS: 55PBQ4550078657(NAD 83)

TW0372

TW0372_MARKER: DS = TRIANGULATION STATION DISK

TW0372_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

TW0372_SP_SET: IN PREFABRICATED CONCRETE BLOCK

TW0372_STAMPING: BEACH 1963

TW0372_MARK LOGO: GU

TW0372_PROJECTION: FLUSH

TW0372_MAGNETIC: N = NO MAGNETIC MATERIAL

TW0372_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

TW0372+STABILITY: SURFACE MOTION

TW0372_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

TW0372+SATELLITE: SATELLITE OBSERVATIONS - July 19, 2007

TW0372

TW0372	HISTORY	- Date	Condition	Report By
TW0372	HISTORY	- 1963	MONUMENTED	GUGS
TW0372	HISTORY	- 19930804	GOOD	NOS
TW0372	HISTORY	- 20040503	GOOD	GUAMLM
TW0372	HISTORY	- 20070715	GOOD	GUAMLM
TW0372	HISTORY	- 20070719	GOOD	USACE

TW0372

TW0372 STATION DESCRIPTION

TW0372

TW0372'DESCRIBED BY GUAM GEODETIC SURVEY 1963 (NES)

TW0372'THE STATION IS 1-1/2 MILES SOUTHWEST OF AGAT, ON THE WEST RIGHT OF

TW0372'WAY OF HIGHWAY 2, AND 100 FEET NORTH OF THE EXIT GATE TO NIMITZ

TW0372'BEACH PARK.

TW0372'

TW0372'TO REACH THE STATION FROM THE MAIN INTERSECTION -Y INTERSECTION-

TW0372'AT THE NORTH EDGE OF AGAT, GO SOUTHERLY ON HIGHWAY 2 FOR 1.8 MILES

TW0372'TO THE NIMITZ BEACH PARK ENTRANCE ON THE RIGHT. CONTINUE SOUTH

TW0372'ON HIGHWAY 2 FOR 0.05 MILE TO THE STATION ON THE RIGHT.

TW0372'

TW0372'STATION MARK IS A STANDARD GUAM GEODETIC TRIANGULATION DISK

TW0372'STAMPED---BEACH 1963, ENCLOSED IN A CAST IRON HOUSING WHICH IS

TW0372'SURROUNDED BY CONCRETE AND PROJECTS 1 INCH. IT IS 93 FEET NORTH

TW0372'NORTHEAST OF THE OF THE NORTH GATE POST AT THE PARK EXIT, 79 FEET

TW0372'NORTH OF A POWER POLE WITH A TRANSFORMER, 35 FEET WEST OF THE

TW0372'CENTER OF HIGHWAY 2 AND 4 FEET EAST OF THE PARK FENCE.

TW0372

TW0372 STATION RECOVERY (1993)

TW0372

TW0372'RECOVERY NOTE BY NATIONAL OCEAN SERVICE 1993 (JGF)

TW0372'RECOVERED AS DESCRIBED.

TW0372

TW0372 STATION RECOVERY (2004)

TW0372

TW0372'RECOVERY NOTE BY GUAM DEPARTMENT OF LAND MANAGEMENT 2004 (TJT)

TW0372'GENERAL STATION LOCATION- THE STATION IS LOCATED IN THE MUNICIPALITY
TW0372'OF AGAT.

TW0372'

TW0372'TO REACH NARRATIVE- TO REACH THE STATION FROM THE INTERSECTION OF
TW0372'ROUTE 2 AND ROUTE 5, GO SOUTH ON ROUTE 2 FOR 2.2 MILES TO THE STATION
TW0372'ON THE RIGHT SIDE OF ROUTE 2. THE STATION IS ENCASED WITH A CAST
TW0372'IRON, 6 INCHES BELOW THE SURFACE. THE STATION IS LOCATED EAST OF
TW0372'NIMITZ BEACH PARK.

TW0372'

TW0372'MONUMENT DESCRIPTION AND MEASUREMENTS- THE STATION IS 10.60M WEST OF
TW0372'CENTERLINE OF ROUTE 2, 3.9M SOUTHEAST OF A CONCRETE POWER POLE (PF
TW0372'155-4A) AND 5.20M EAST OF A PARKING CURB.

TW0372

TW0372

STATION RECOVERY (2007)

TW0372

TW0372'RECOVERY NOTE BY GUAM DEPARTMENT OF LAND MANAGEMENT 2007 (TJT)

TW0372'MARK FOUND AS DESCRIBED

TW0372

TW0372

STATION RECOVERY (2007)

TW0372

TW0372'RECOVERY NOTE BY US ARMY CORPS OF ENGINEERS 2007 (JDP)

TW0372'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:01

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

```

DATABASE = NGSIDB , PROGRAM = datasheet95, VERSION = 7.87.6
1      National Geodetic Survey,   Retrieval Date = MARCH  6, 2012
DH3104 *****
DH3104 DESIGNATION - GGN 0001
DH3104 PID          - DH3104
DH3104 STATE/COUNTY- GU/GUAM
DH3104 USGS QUAD   - AGANA (1968)
DH3104
DH3104                      *CURRENT SURVEY CONTROL
DH3104
DH3104* NAD 83(1993)- 13 28 49.11653(N)    215 16 11.87964(W)    ADJUSTED
DH3104* GUV04      -      10.752 (meters)    35.28 (feet)    ADJUSTED
DH3104
DH3104 EPOCH DATE  -      2004.00
DH3104 X          - -5,064,879.083 (meters)    COMP
DH3104 Y          -  3,582,149.881 (meters)    COMP
DH3104 Z          -  1,477,145.698 (meters)    COMP
DH3104 LAPLACE CORR-      -0.11 (seconds)    DEFLEC09
DH3104 ELLIP HEIGHT-      65.134 (meters)    (06/10/05) ADJUSTED
DH3104 GEOID HEIGHT-      54.38 (meters)    GEOID09
DH3104 HORZ ORDER - A
DH3104 VERT ORDER - FIRST      CLASS II
DH3104 ELLP ORDER - THIRD      CLASS II
DH3104
DH3104.The horizontal coordinates were established by GPS observations
DH3104.and adjusted by the National Geodetic Survey in June 2005.
DH3104
DH3104.The horizontal coordinates are valid at the epoch date displayed above
DH3104.which is a decimal equivalence of Year/Month/Day.
DH3104
DH3104.The orthometric height was determined by differential leveling and
DH3104.adjusted in May 2005.
DH3104
DH3104.No vertical observational check was made to the station.
DH3104
DH3104.The X, Y, and Z were computed from the position and the ellipsoidal ht.
DH3104
DH3104.The Laplace correction was computed from DEFLEC09 derived deflections.
DH3104
DH3104.The ellipsoidal height was determined by GPS observations
DH3104.and is referenced to NAD 83.
DH3104
DH3104.The geoid height was determined by GEOID09.
DH3104
DH3104;                      North      East      Units Scale Factor Converg.
DH3104;UTM 55      - 1,491,387.577  254,266.019  MT  1.00034704  -0 31 45.9
DH3104
DH3104!                      - Elev Factor x Scale Factor = Combined Factor
DH3104!UTM 55      - 0.99998976 x 1.00034704 = 1.00033679
DH3104
DH3104                      SUPERSEDED SURVEY CONTROL
DH3104

```

DH3104.No superseded survey control is available for this station.

DH3104

DH3104_U.S. NATIONAL GRID SPATIAL ADDRESS: 55PBQ5426691387(NAD 83)

DH3104

DH3104_MARKER: DD = SURVEY DISK

DH3104_SETTING: 0 = UNSPECIFIED SETTING

DH3104_SP_SET: CAST IRON HOUSING

DH3104_STAMPING: 0001

DH3104_MARK LOGO: GUAMLM

DH3104_MAGNETIC: N = NO MAGNETIC MATERIAL

DH3104_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY

DH3104_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

DH3104+SATELLITE: SATELLITE OBSERVATIONS - May 14, 2004

DH3104

DH3104	HISTORY	- Date	Condition	Report By
--------	---------	--------	-----------	-----------

DH3104	HISTORY	- 20040514	MONUMENTED	GUAMLM
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DH3104

DH3104 STATION DESCRIPTION

DH3104

DH3104'DESCRIBED BY GUAM DEPARTMENT OF LAND MANAGEMENT 2004 (TJT)

DH3104'GENERAL STATION LOCATION- THE STATION IS LOCATED IN THE MUNICIPALITY

DH3104'OF HAGATNA.

DH3104'

DH3104'TO REACH NARRATIVE- TO REACH THE STATION FROM THE JUNCTION OF MARINE

DH3104'CORP DRIVE (ROUTE 1) AND ROUTE 6, SOUTH TURN RIGHT INTO THE RICARDO J

DH3104'BORDALLO GOVERNOR'S COMPLEX. FROM STATION (GGN 1884) GO EAST ALONG

DH3104'(AC ROAD) WITHIN COMPLEX, PROCEED THROUGH GATE ON THE BACK SIDE OF

DH3104'COMPLEX FOR 0.2 MILE. THE STATION IS A DATUM POINT FOR THE 1993

DH3104'NETWORK.

DH3104'

DH3104'THE MARK IS A STANDARD 1993 GUAM GEODETIC NETWORK DISK

DH3104'STAMPED--0001--, SET IN A CONCRETE POST.

*** retrieval complete.

Elapsed Time = 00:00:02

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

```

DATABASE = NGSIDB , PROGRAM = datasheet95, VERSION = 7.87.6
1      National Geodetic Survey,  Retrieval Date = MARCH  3, 2012
DH3017 *****
DH3017 DESIGNATION - GGN 2205
DH3017 PID - DH3017
DH3017 STATE/COUNTY- GU/GUAM
DH3017 USGS QUAD - TALOFOFO (1975)
DH3017
DH3017 *CURRENT SURVEY CONTROL
DH3017
DH3017* NAD 83(1993)- 13 18 35.92053(N) 215 14 12.13135(W) ADJUSTED
DH3017* GUVD04 - 104.971 (meters) 344.39 (feet) ADJUSTED
DH3017
DH3017 EPOCH DATE - 2004.00
DH3017 X - -5,070,597.581 (meters) COMP
DH3017 Y - 3,581,779.860 (meters) COMP
DH3017 Z - 1,458,835.072 (meters) COMP
DH3017 LAPLACE CORR- -4.18 (seconds) DEFLEC09
DH3017 ELLIP HEIGHT- 158.164 (meters) (06/10/05) ADJUSTED
DH3017 GEOID HEIGHT- 53.19 (meters) GEOID09
DH3017 HORZ ORDER - A
DH3017 VERT ORDER - FIRST CLASS II
DH3017 ELLP ORDER - THIRD CLASS II
DH3017
DH3017.The horizontal coordinates were established by GPS observations
DH3017.and adjusted by the National Geodetic Survey in June 2005.
DH3017
DH3017.The horizontal coordinates are valid at the epoch date displayed above
DH3017.which is a decimal equivalence of Year/Month/Day.
DH3017
DH3017.The orthometric height was determined by differential leveling and
DH3017.adjusted in May 2005.
DH3017
DH3017.The X, Y, and Z were computed from the position and the ellipsoidal ht.
DH3017
DH3017.The Laplace correction was computed from DEFLEC09 derived deflections.
DH3017
DH3017.The ellipsoidal height was determined by GPS observations
DH3017.and is referenced to NAD 83.
DH3017
DH3017.The geoid height was determined by GEOID09.
DH3017
DH3017; North East Units Scale Factor Converg.
DH3017;UTM 55 - 1,472,504.646 257,698.025 MT 1.00032633 -0 30 54.7
DH3017
DH3017! - Elev Factor x Scale Factor = Combined Factor
DH3017!UTM 55 - 0.99997513 x 1.00032633 = 1.00030145
DH3017
DH3017 SUPERSEDED SURVEY CONTROL
DH3017
DH3017.No superseded survey control is available for this station.
DH3017

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DH3017_U.S. NATIONAL GRID SPATIAL ADDRESS: 55PBQ5769872504 (NAD 83)

DH3017

DH3017_MARKER: DD = SURVEY DISK

DH3017_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

DH3017_STAMPING: 2205

DH3017_MARK LOGO: GUAMLM

DH3017_MAGNETIC: N = NO MAGNETIC MATERIAL

DH3017_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

DH3017+STABILITY: SURFACE MOTION

DH3017_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

DH3017+SATELLITE: SATELLITE OBSERVATIONS - May 04, 2004

DH3017

DH3017	HISTORY	- Date	Condition	Report By
--------	---------	--------	-----------	-----------

DH3017	HISTORY	- 20040504	MONUMENTED	GUAMLM
--------	---------	------------	------------	--------

DH3017

DH3017 STATION DESCRIPTION

DH3017

DH3017'DESCRIBED BY GUAM DEPARTMENT OF LAND MANAGEMENT 2004 (TJT)

DH3017'GENERAL STATION LOCATION- THE STATION IS LOCATED IN THE MUNICIPALITY

DH3017'OF INARAJAN.

DH3017'

DH3017'TO REACH NARRATIVE- TO REACH THE STATION FROM JUNCTION OF ROUTE 4 AND

DH3017'ROUTE 4A, GO SOUTH ON ROUTE 4 FOR 2.5 MILES, TO THE STATION ON THE

DH3017'EAST OF ROUTE 4. THE STATION IS A CONCRETE MONUMENT 6 INCHES BELOW

DH3017'THE SURFACE ENCASED WITH A CAST IRON HOUSING.

DH3017'

DH3017'MONUMENT DESCRIPTION AND MEASUREMENTS- THE STATION IS 7.60M EAST OF

DH3017'CENTERLINE OF ROUTE 4, 14.93M SOUTHWEST OF A CONCRETE POWER POLE AND

DH3017'7.60M NORTH, NORTHWEST OF A FIRE HYDRANT.

DH3017'

DH3017'THE MARK IS A STANDARD 1993 GUAM GEODETIC NETWORK DISK

DH3017'STAMPED--2205--, SET IN A CONCRETE POST.

*** retrieval complete.

Elapsed Time = 00:00:04

ITRF 00

USGS GUAM OBSERV (GUAM), GUAM

Retrieved from NGS DataBase on 06/15/07 at 16:38:17.

Antenna Reference Point(ARP): USGS GUAM OBSERV CORS ARP

PID = AF9627

ITRF00 POSITION (EPOCH 1997.0)

Computed in June 2007 using 214 days of data.

X =	-5071312.860 m	latitude	=	13 35 21.58493 N
Y =	3568363.544 m	longitude	=	144 52 06.10233 E
Z =	1488904.339 m	ellipsoid height	=	202.010 m

ITRF00 VELOCITY

Computed in Feb. 2007 using 832 days of data.

VX =	0.0107 m/yr	northward	=	0.0026 m/yr
VY =	0.0023 m/yr	eastward	=	-0.0080 m/yr
VZ =	0.0009 m/yr	upward	=	-0.0070 m/yr

NAD_83 (MARP00) POSITION (EPOCH 2002.0)

Transformed from ITRF00 to the fixed-Mariana-plate NAD realization in June 2007

X =	-5071311.851 m	latitude	=	13 35 21.55649 N
Y =	3568361.927 m	longitude	=	144 52 06.12701 E
Z =	1488903.015 m	ellipsoid height	=	199.992 m

NAD_83 (MARP00) VELOCITY

Transformed from ITRF00 to the fixed-Mariana-plate NAD realization in June 2007

VX =	0.0039 m/yr	northward	=	0.0004 m/yr
VY =	-0.0064 m/yr	eastward	=	0.0030 m/yr
VZ =	-0.0013 m/yr	upward	=	-0.0070 m/yr

L1 Phase Center of the current GPS antenna: USGS GUAM OBSERV CORS L1 PC C

The D/M element, REV.B, chokering antenna

(Antenna Code = ASH701945B_M) was installed on 05/22/06.

The L2 phase center is 0.019 m above the L1 phase center.

PID = DI0790

ITRF00 POSITION (EPOCH 1997.0)

Computed in June 2007 using 214 days of data.

X =	-5071312.947 m	latitude	=	13 35 21.58495 N
Y =	3568363.605 m	longitude	=	144 52 06.10234 E
Z =	1488904.365 m	ellipsoid height	=	202.119 m

The ITRF00 VELOCITY of the L1 PC is the same as that for the ARP.

NAD_83 (MARP00) POSITION (EPOCH 2002.0)

Transformed from ITRF00 to the fixed-Mariana-plate NAD realization in June 2007

X =	-5071311.938 m	latitude	=	13 35 21.55651 N
-----	----------------	----------	---	------------------

| Y = 3568361.988 m longitude = 144 52 06.12702 E
| Z = 1488903.041 m ellipsoid height = 200.101 m

| The NAD_83 (MARP00) VELOCITY of the L1 PC is the same as that for the ARP.

| Monument: GUMO

| -----

| PID = AA4397

| Inscribed: GUMO 1992

| ITRF00 POSITION (EPOCH 1997.0)

| Computed in June 2007 using 214 days of data.

| X = -5071312.812 m latitude = 13 35 21.58493 N
| Y = 3568363.510 m longitude = 144 52 06.10233 E
| Z = 1488904.324 m ellipsoid height = 201.949 m

| The ITRF00 VELOCITY of the monument is the same as that for the ARP.

| NAD_83 (MARP00) POSITION (EPOCH 2002.0)

| Transformed from ITRF00 to the fixed-Mariana-plate NAD realization in June
| 2007

| X = -5071311.802 m latitude = 13 35 21.55649 N
| Y = 3568361.893 m longitude = 144 52 06.12701 E
| Z = 1488903.001 m ellipsoid height = 199.931 m

| The NAD_83 (MARP00) VELOCITY of the monument is the same as that for the ARP

* Latitude, longitude and ellipsoid height are computed from their
corresponding cartesian coordinates using dimensions for the
GRS 80 ellipsoid: semi-major axis = 6,378,137.0 meters
flattening = 1/298.257222101...

* WARNING: Mixing of antenna types can lead to errors of up to 10 cm.
in height unless antenna-phase-center variation is properly modeled.

* For additional information about the interpretation and/or derivation
of these positions and velocities, consult
<http://www.ngs.noaa.gov/CORS/Derivation.html>.
For additional information on the relation of the GPS antenna to other
relevant points at the site and on GPS equipment, consult the
link <ftp://www.ngs.noaa.gov/cors/.html/guam.log.txt>

* The ITRF00 & NAD83 positions & velocities were revised in June 2007.

ITRF 00

U OF GUAM (GUUG), GUAM

Retrieved from NGS DataBase on 06/30/11 at 13:32:02.

Antenna Reference Point(ARP): U OF GUAM CORS ARP

PID = DF7984

ITRF00 POSITION (EPOCH 1997.0)

Computed in June 2007 using 217 days of data.

X =	-5070465.334 m	latitude	=	13 25 59.54878 N
Y =	3576460.224 m	longitude	=	144 48 09.76826 E
Z =	1472093.777 m	ellipsoid height	=	134.796 m

ITRF00 VELOCITY

Computed in Feb. 2007 using 562 days of data.

VX =	0.0101 m/yr	northward	=	0.0028 m/yr
VY =	0.0009 m/yr	eastward	=	-0.0066 m/yr
VZ =	0.0010 m/yr	upward	=	-0.0073 m/yr

NAD_83 (MARP00) POSITION (EPOCH 2002.0)

Transformed from ITRF00 to the fixed-Mariana-plate NAD realization in June 2007

X =	-5070464.327 m	latitude	=	13 25 59.52017 N
Y =	3576458.597 m	longitude	=	144 48 09.79316 E
Z =	1472092.452 m	ellipsoid height	=	132.776 m

NAD_83 (MARP00) VELOCITY

Transformed from ITRF00 to the fixed-Mariana-plate NAD realization in June 2007

VX =	0.0033 m/yr	northward	=	0.0005 m/yr
VY =	-0.0078 m/yr	eastward	=	0.0045 m/yr
VZ =	-0.0012 m/yr	upward	=	-0.0073 m/yr

L1 Phase Center of the current GPS antenna: U OF GUAM CORS L1 PC C

The Zephyr GNSS Geodetic Model 2 antenna

(Antenna Code = TRM55971.00) was installed on 06/26/11.

The L2 phase center is 0.015 m below the L1 phase center.

PID = DM8512

ITRF00 POSITION (EPOCH 1997.0)

Computed in June 2007 using 217 days of data.

X =	-5070465.402 m	latitude	=	13 25 59.54883 N
Y =	3576460.271 m	longitude	=	144 48 09.76828 E
Z =	1472093.798 m	ellipsoid height	=	134.881 m

The ITRF00 VELOCITY of the L1 PC is the same as that for the ARP.

NAD_83 (MARP00) POSITION (EPOCH 2002.0)

Transformed from ITRF00 to the fixed-Mariana-plate NAD realization in June 2007

X =	-5070464.395 m	latitude	=	13 25 59.52022 N
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|      Y =    3576458.644 m      longitude   = 144 48 09.79318 E      |
|      Z =    1472092.473 m      ellipsoid height = 132.861 m      |
|
| The NAD_83 (MARP00) VELOCITY of the L1 PC is the same as that for the ARP. |
|-----|
```

- * Latitude, longitude and ellipsoid height are computed from their corresponding cartesian coordinates using dimensions for the GRS 80 ellipsoid: semi-major axis = 6,378,137.0 meters
flattening = 1/298.257222101...
- * WARNING: Mixing of antenna types can lead to errors of up to 10 cm. in height unless antenna-phase-center variation is properly modeled.
- * For additional information about the interpretation and/or derivation of these positions and velocities, consult <http://www.ngs.noaa.gov/CORS/Coords.html>
For additional information on the relation of the GPS antenna to other relevant points at the site and on GPS equipment, consult the link <http://www.ngs.noaa.gov/cors/Logfiles.html>
- * The ITRF00 & NAD83 positions & velocities were revised in June 2007.

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

```

DATABASE = NGSIDB , PROGRAM = datasheet95, VERSION = 7.87.6
1      National Geodetic Survey,   Retrieval Date = MARCH  3, 2012
TW0389 *****
TW0389 DESIGNATION -   NCS
TW0389 PID          -   TW0389
TW0389 STATE/COUNTY-  GU/GUAM
TW0389 USGS QUAD    -
TW0389
TW0389                                *CURRENT SURVEY CONTROL
TW0389
TW0389* NAD 83(1993)-  13 34 14.74457(N)    215 09 08.79401(W)    ADJUSTED
TW0389* GUV04         -      133.167 (meters)    436.90 (feet)    ADJUSTED
TW0389
TW0389 EPOCH DATE   -      1993.62
TW0389 LAPLACE CORR-      -1.59 (seconds)          DEFLEC09
TW0389 GEOID HEIGHT-      54.62 (meters)          GEOID09
TW0389 HORZ ORDER  -   SECOND
TW0389 VERT ORDER  -   FIRST      CLASS II
TW0389
TW0389.The horizontal coordinates were established by classical geodetic methods
TW0389.and adjusted by the National Geodetic Survey in September 1999.
TW0389.
TW0389.The orthometric height was determined by differential leveling and
TW0389.adjusted in May 2005.
TW0389
TW0389.The Laplace correction was computed from DEFLEC09 derived deflections.
TW0389
TW0389.The geoid height was determined by GEOID09.
TW0389
TW0389;
TW0389;UTM  55          North      East      Units Scale Factor Converg.
TW0389!UTM  55          - 1,501,282.528  267,081.998  MT  1.00027113  -0 30 19.0
TW0389!UTM  55          - Elev Factor x Scale Factor = Combined Factor
TW0389!UTM  55          - 0.99997047 x 1.00027113 = 1.00024159
TW0389
TW0389                                SUPERSEDED SURVEY CONTROL
TW0389
TW0389 GU1963         -  13 34 09.61946(N)    215 09 17.51419(W) AD(      ) 2
TW0389
TW0389.Superseded values are not recommended for survey control.
TW0389.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
TW0389.See file dsdata.txt to determine how the superseded data were derived.
TW0389
TW0389_U.S. NATIONAL GRID SPATIAL ADDRESS: 55PBR6708101282(NAD 83)
TW0389
TW0389_MARKER: DS = TRIANGULATION STATION DISK
TW0389_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
TW0389_SP_SET: IN PREFABRICATED CONCRETE BLOCK
TW0389_STAMPING: NCS 1963
TW0389_MARK LOGO: GU
TW0389_MAGNETIC: N = NO MAGNETIC MATERIAL
TW0389_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

```

TW0389+STABILITY: SURFACE MOTION

TW0389_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

TW0389+SATELLITE: SATELLITE OBSERVATIONS - May 11, 2004

TW0389

TW0389	HISTORY	- Date	Condition	Report By
TW0389	HISTORY	- 1963	MONUMENTED	CGS
TW0389	HISTORY	- 20040511	GOOD	GUAMLM

TW0389

TW0389 STATION DESCRIPTION

TW0389

TW0389'DESCRIBED BY COAST AND GEODETIC SURVEY 1963 (NES)

TW0389'THE STATION IS 3-1/2 MILES NORTH NORTHEAST OF WETTENGEL JUNCTION, ON

TW0389'THE EAST SIDE AND JUST OUTSIDE THE BOUNDARY FENCE OF THE NAVAL

TW0389'COMMUNICATIONS STATION, ABOUT 100 YARDS SOUTHWEST OF A LARGE RED AND

TW0389'WHITE CHECKERED WATER TANK AND ON THE NORTHWEST RIGHT OF WAY OF

TW0389'HIGHWAY 3.

TW0389'

TW0389'TO REACH THE STATION FROM THE MAIN ENTRANCE TO THE NAVAL

TW0389'COMMUNICATIONS STATION, GO NORTHEAST ON HIGHWAY 3 FOR 0.4 MILE

TW0389'TO THE STATION ON THE LEFT.

TW0389'

TW0389'STATION MARK IS A STANDARD GUAM GEODETIC TRIANGULATION NET DISK

TW0389'STAMPED---NCS 1963---, ENCLOSED IN A CAST IRON HOUSING WHICH IS

TW0389'SURROUNDED BY CEMENT AND PROJECTS 2 INCHES. IT IS 37 FEET NORTHWEST

TW0389'OF THE CENTER LINE OF HIGHWAY 3 AND 13.5 FEET SOUTHEAST OF A CYCLONE

TW0389'FENCE.

TW0389

TW0389 STATION RECOVERY (2004)

TW0389

TW0389'RECOVERY NOTE BY GUAM DEPARTMENT OF LAND MANAGEMENT 2004

TW0389'RECOVERED AS DESCRIBED.

*** retrieval complete.

Elapsed Time = 00:00:03

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

```

DATABASE = NGSIDB , PROGRAM = datasheet95, VERSION = 7.87.6
1      National Geodetic Survey,  Retrieval Date = MARCH  3, 2012
TW0420 *****
TW0420 DESIGNATION - YIGO GG
TW0420 PID - TW0420
TW0420 STATE/COUNTY- GU/GUAM
TW0420 USGS QUAD - DEDEDO (1975)
TW0420
TW0420 *CURRENT SURVEY CONTROL
TW0420
TW0420* NAD 83(1993)- 13 32 14.85867(N) 215 06 40.48976(W) ADJUSTED
TW0420* GUVD04 - 140.779 (meters) 461.87 (feet) ADJUSTED
TW0420
TW0420 EPOCH DATE - 2004.00
TW0420 X - -5,073,677.827 (meters) COMP
TW0420 Y - 3,567,328.618 (meters) COMP
TW0420 Z - 1,483,324.071 (meters) COMP
TW0420 LAPLACE CORR- -3.65 (seconds) DEFLEC09
TW0420 ELLIP HEIGHT- 194.959 (meters) (06/10/05) ADJUSTED
TW0420 GEOID HEIGHT- 54.18 (meters) GEOID09
TW0420 HORZ ORDER - A
TW0420 VERT ORDER - FIRST CLASS II
TW0420 ELLP ORDER - THIRD CLASS II
TW0420
TW0420.The horizontal coordinates were established by GPS observations
TW0420.and adjusted by the National Geodetic Survey in June 2005.
TW0420
TW0420.The horizontal coordinates are valid at the epoch date displayed above
TW0420.which is a decimal equivalence of Year/Month/Day.
TW0420
TW0420.The orthometric height was determined by differential leveling and
TW0420.adjusted in May 2005.
TW0420
TW0420.No vertical observational check was made to the station.
TW0420
TW0420.The X, Y, and Z were computed from the position and the ellipsoidal ht.
TW0420
TW0420.The Laplace correction was computed from DEFLEC09 derived deflections.
TW0420
TW0420.The ellipsoidal height was determined by GPS observations
TW0420.and is referenced to NAD 83.
TW0420
TW0420.The geoid height was determined by GEOID09.
TW0420
TW0420; North East Units Scale Factor Converg.
TW0420;UTM 55 - 1,497,558.469 271,509.806 MT 1.00024586 -0 29 39.9
TW0420
TW0420! - Elev Factor x Scale Factor = Combined Factor
TW0420!UTM 55 - 0.99996934 x 1.00024586 = 1.00021519
TW0420
TW0420 SUPERSEDED SURVEY CONTROL
TW0420

```

TW0420 NAD 83(1993)- 13 32 14.86643(N) 215 06 40.47353(W) AD(1993.62) 2
 TW0420 GU1963 - 13 32 09.73318(N) 215 06 49.19517(W) AD() 2
 TW0420

TW0420.Superseded values are not recommended for survey control.

TW0420.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

TW0420.[See file dsdata.txt](#) to determine how the superseded data were derived.

TW0420

TW0420_U.S. NATIONAL GRID SPATIAL ADDRESS: 55PBQ7150997558(NAD 83)

TW0420

TW0420_MARKER: DD = SURVEY DISK

TW0420_SETTING: 0 = UNSPECIFIED SETTING

TW0420_SP_SET: CAST IRON HOUSING

TW0420_STAMPING: YIGO

TW0420_MARK LOGO: GU

TW0420_MAGNETIC: N = NO MAGNETIC MATERIAL

TW0420_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY

TW0420_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

TW0420+SATELLITE: SATELLITE OBSERVATIONS - December 04, 2004

TW0420

HISTORY	Date	Condition	Report By
HISTORY	1963	MONUMENTED	CGS
HISTORY	20041204	GOOD	GUAMLM

TW0420 HISTORY - 1963 MONUMENTED CGS

TW0420 HISTORY - 20041204 GOOD GUAMLM

TW0420

TW0420 STATION DESCRIPTION

TW0420

TW0420'DESCRIBED BY COAST AND GEODETIC SURVEY 1963 (NES)

TW0420'THE STATION IS LOCATED 4-1/2 MILES EAST NORTHEAST OF THE WETTENGEL

TW0420'JUNCTION, 0.1 MILE NORTH OF YIGO JUNCTION AND ON THE NORTHWEST

TW0420'SIDE OF ROUTE 1.

TW0420'

TW0420'TO REACH THE STATION FROM WETTENGEL SCHOOL AND JUNCTION, GO EASTERLY

TW0420'ON ROUTE 1 FOR 3.35 MILES TO THE ASATDAS JUNCTION, CONTINUE NORTHEAST

TW0420'ON ROUTE 1 FOR 2.35 MILES TO YIGO JUNCTION, CONTINUE FOR 0.05 MILE

TW0420'TO A TRACK ROAD LEFT, TURN LEFT AND FOLLOW ROAD UP ALONG TOP OF

TW0420'ROADSIDE BANK FOR 0.05 MILE TO THE STATION ON THE RIGHT.

TW0420'

TW0420'THE STATION MARK IS A STANDARD GUAM GEODETIC TRIANGULATION DISK,

TW0420'STAMPED---YIGO 1963---, SET IN CONCRETE IN A 8 INCH IRON HOUSING WITH

TW0420'CAP AND FLUSH WITH THE GROUND SURFACE. IT IS 59 FEET WEST OF THE

TW0420'CENTER OF ROUTE 1 AND 15 FEET NORTH NORTHEAST OF POWER LINE POLE

TW0420'NO A 728.

TW0420

TW0420 STATION RECOVERY (2004)

TW0420

TW0420'RECOVERY NOTE BY GUAM DEPARTMENT OF LAND MANAGEMENT 2004 (TJT)

TW0420'GENERAL STATION LOCATION- THE STATION IS LOCATED IN THE MUNICIPALITY

TW0420'OF YIGO.

TW0420'

TW0420'TO REACH NARRATIVE- TO REACH THE STATION FROM THE INTERSECTION OF

TW0420'MARINE CORP DRIVE (ROUTE 1) AND MAIN GATE AAFB, GO SOUTH ON ROUTE 1

TW0420'FOR 1.8 MILE TO THE STATION ON THE RIGHT SIDE OF ROUTE 1. (NOTE THIS

TW0420'IS A HARN'S STATION).

TW0420'

TW0420'MONUMENT DESCRIPTION AND MEASUREMENTS- THE STATION IS 4.30M NORTH OF A

TW0420'CONCRETE POWER POLE (PQ-112, DC/YP 45-6000), 26.70M SOUTH OF A

TW0420'CONCRETE POWER POLE (PBY-018) AND 14.82 SOUTH OF TELEPHONE BOX

TW0420'(1A1-5).

TW0420'

TW0420'THE MARK IS A STANDARD 1963 GUAM GEODETIC TRIANGULATION NET DISK

TW0420'STAMPED--YIGO--, SET IN A CONCRETE IN AN IRON CASING.

*** retrieval complete.
Elapsed Time = 00:00:03

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

H + V Plr 10

PROJECT 111105
OPERATOR MB
DATE 2.29.12

SITE NUMBER 9
SITE NAME 1

TRACKING TIMES (LOCAL) MEASURE
START 2:09 p
STOP 2:37 p

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

OBSTRUCTIONS: trees w

HEIGHT READINGS MTS FT
1.365 _____

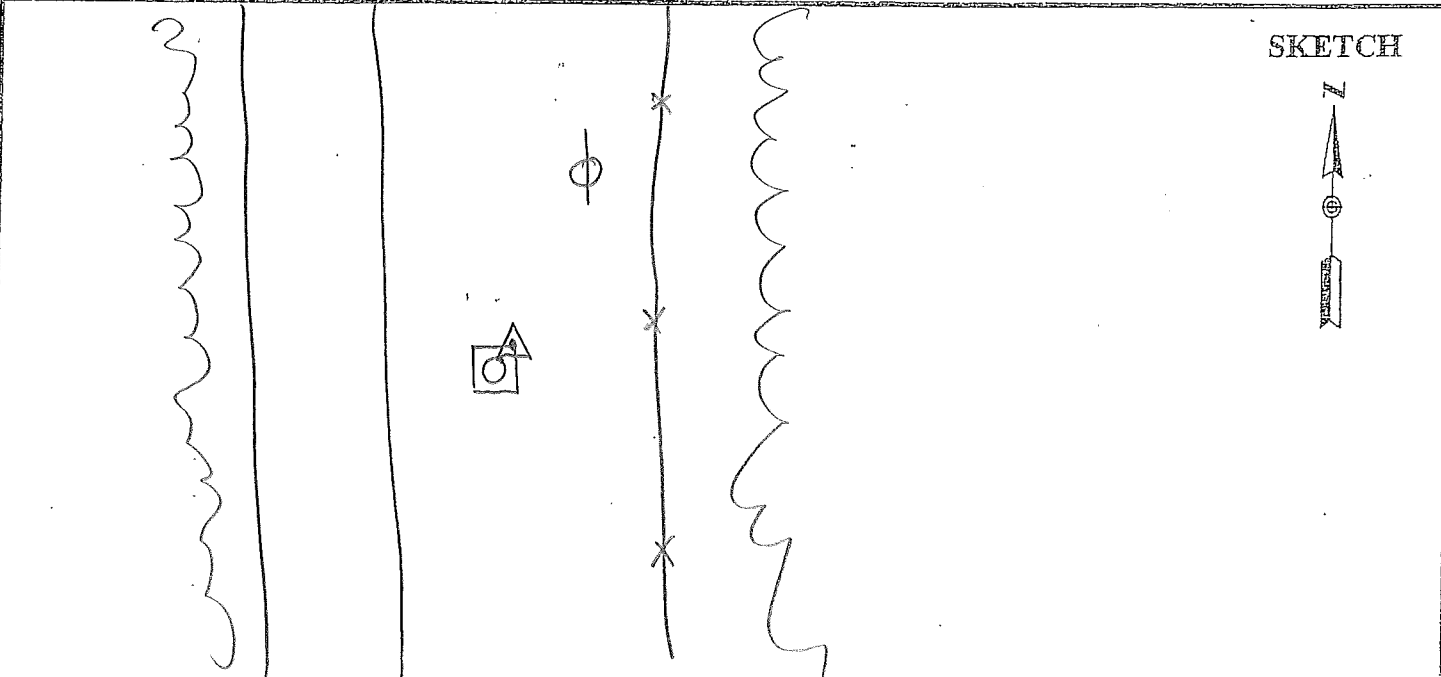
STATION DESCRIPTIONS NE corner
of conc. slab w/MH in center

1725

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
2309	2.4	8/9
2337		



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

USGS

H + V Ph. 10.

PROJECT 111105
 OPERATOR MB
 DATE 3.1.12

SITE NUMBER 5
 SITE NAME 2

TRACKING TIMES (LOCAL) MEASURE

START 11:58 a
 STOP 12:22 p

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: trees N.

HEIGHT READINGS MTS FT
1.485

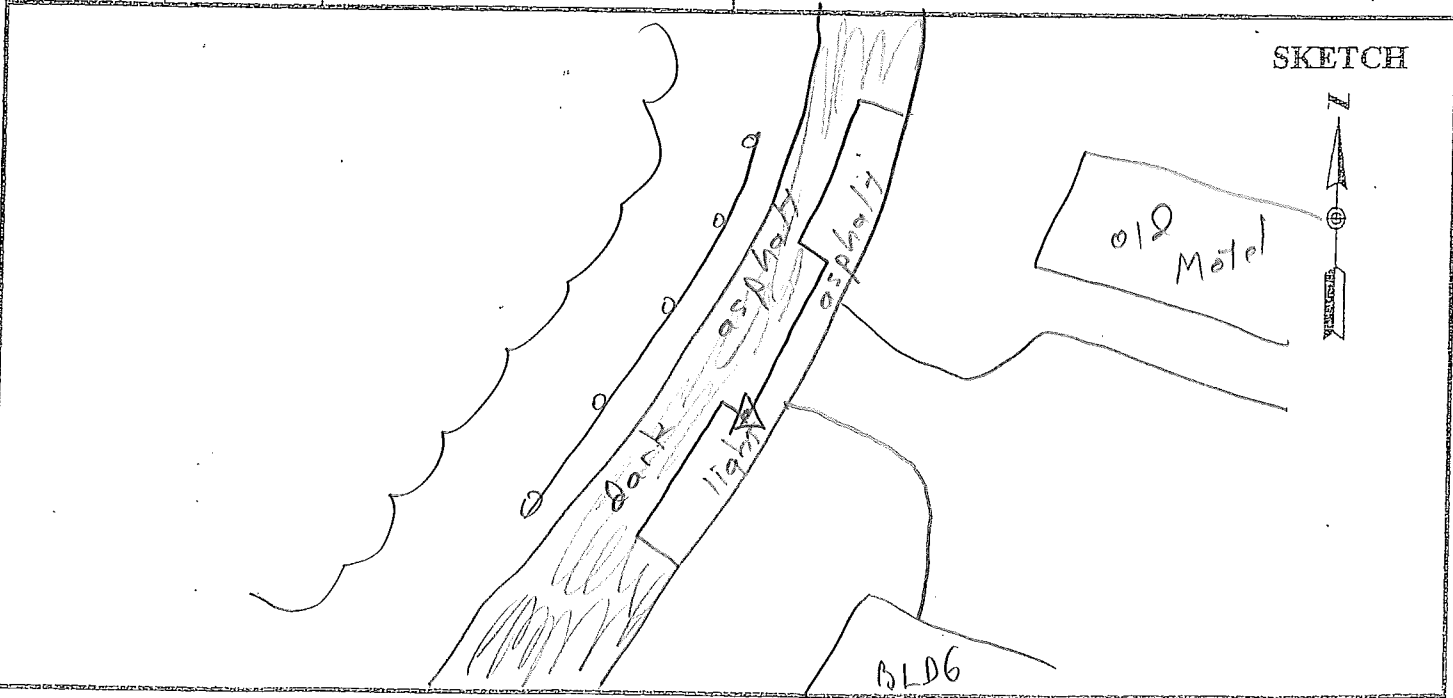
STATION DESCRIPTIONS SE tip of dark asphalt

1.785

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0152	4.8	8/9
0222		



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

USGS

H+V Pb. 10.

PROJECT 111105
 OPERATOR MB
 DATE 3.2.12

SITE NUMBER 2
 SITE NAME 3

TRACKING TIMES (LOCAL) MEASURE _____
 START 8:53 a.
 STOP 9:38 a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 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 _____
 1.717

OBSTRUCTIONS: None
 STATION DESCRIPTIONS center of light gravel spot

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
2253	5.3	5/5
2338		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

SKETCH



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

USGS
H + V Ph ID

PROJECT 111105
OPERATOR ND
DATE 3.2.12

SITE NUMBER 8
SITE NAME 4

TRACKING TIMES (LOCAL) MEASURE _____
START 2:36p
STOP 3:21p

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

OBSTRUCTIONS: trees S + NW

HEIGHT READINGS MTS FT
1.294 _____

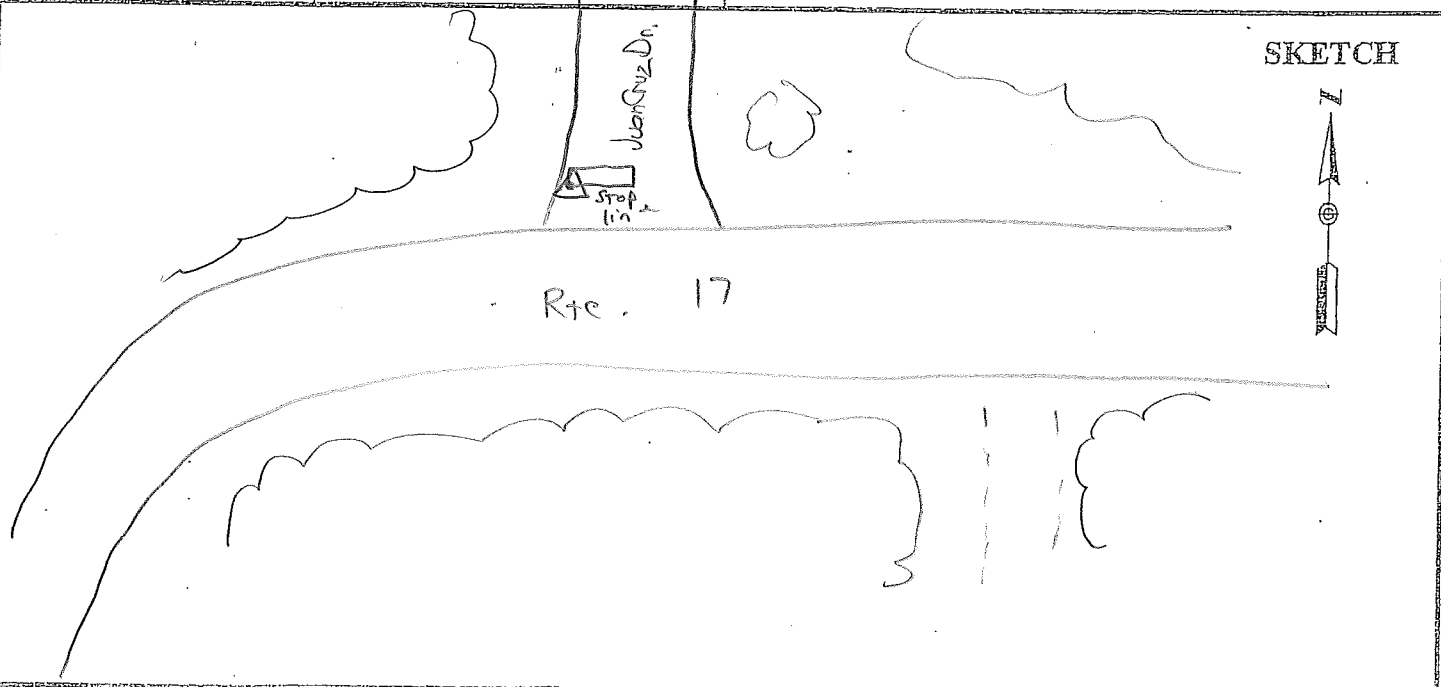
STATION DESCRIPTIONS SW corner of "Stop" line

1654

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0436	2.6	7/7
0521		



AERO-METRIC, INC.
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 SHEBOYGAN, WISCONSIN 53083

USGS

H+V Ph. 10

PROJECT 111105
 OPERATOR MB
 DATE 3.3.12

SITE NUMBER 5
 SITE NAME 5

TRACKING TIMES (LOCAL) MEASURE

START 11:19 a.

STOP 12:04 p.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: trees N.

HEIGHT READINGS MTS FT
1.365 _____

STATION DESCRIPTIONS center of MH

1725

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

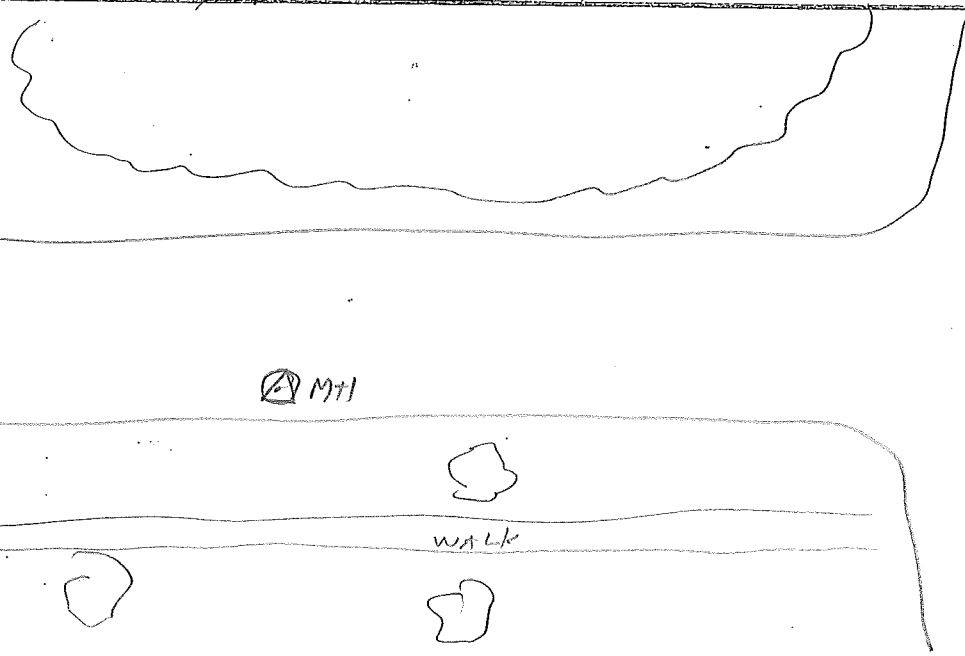
TIME	GDOP	SATELLITES
0119	2.6	8/8
0204	2.2	8/8

SKETCH



⊙ MH

walk



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

USGS

H + V ph 1D

PROJECT 111105
 OPERATOR NB
 DATE 3.5.12

SITE NUMBER 4
 SITE NAME 6

TRACKING TIMES (LOCAL) MEASURE
 START 11:51 a.
 STOP 12:36 p.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: none

HEIGHT READINGS MTS FT
1.386 _____

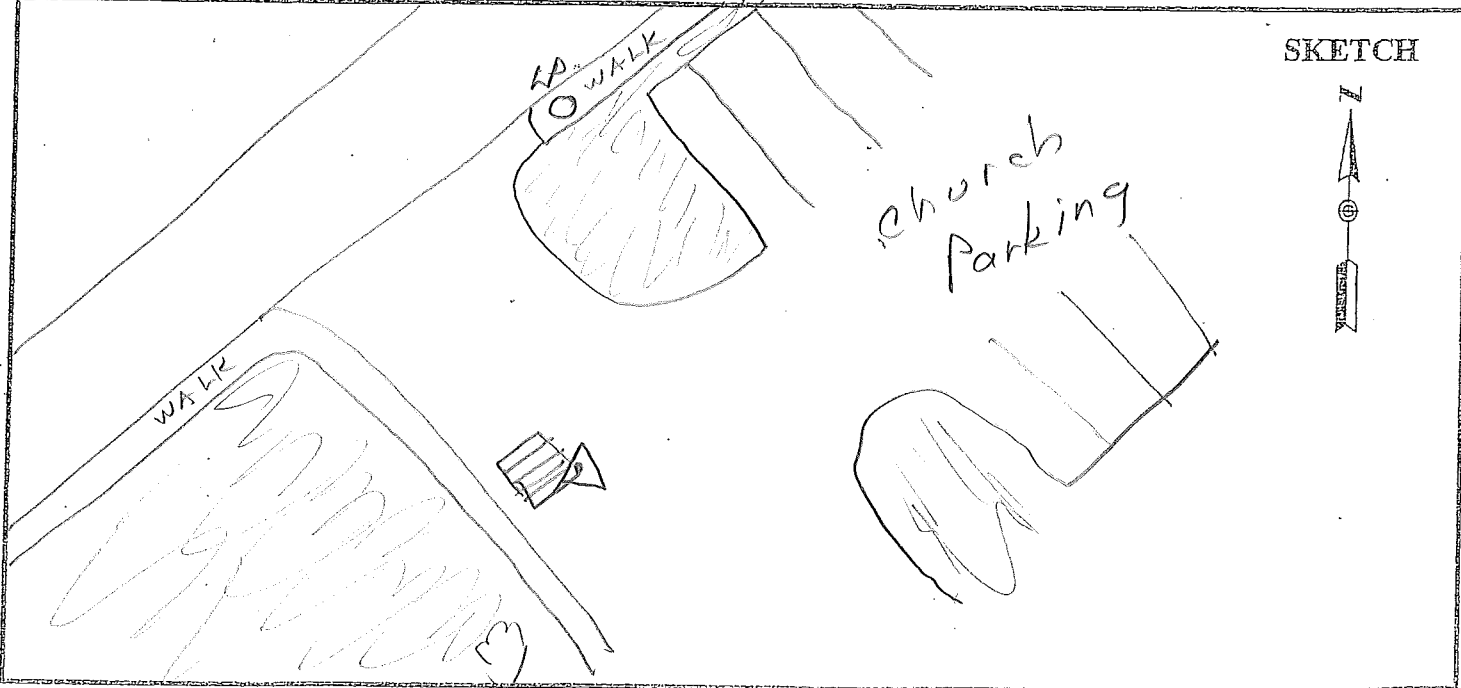
STATION DESCRIPTIONS NE corner of
gate

1746

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0151	2.3	8/8
0236		



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

USGS

H + V Ph 10

PROJECT 111105
 OPERATOR NA
 DATE 3.6.12

SITE NUMBER 5
 SITE NAME 7

TRACKING TIMES (LOCAL) MEASURE
 START 11:39 a.
 STOP 12:24 p

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. 00
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: trees NE

HEIGHT READINGS MTS FT
1.360 _____

STATION DESCRIPTIONS SE corner of grate

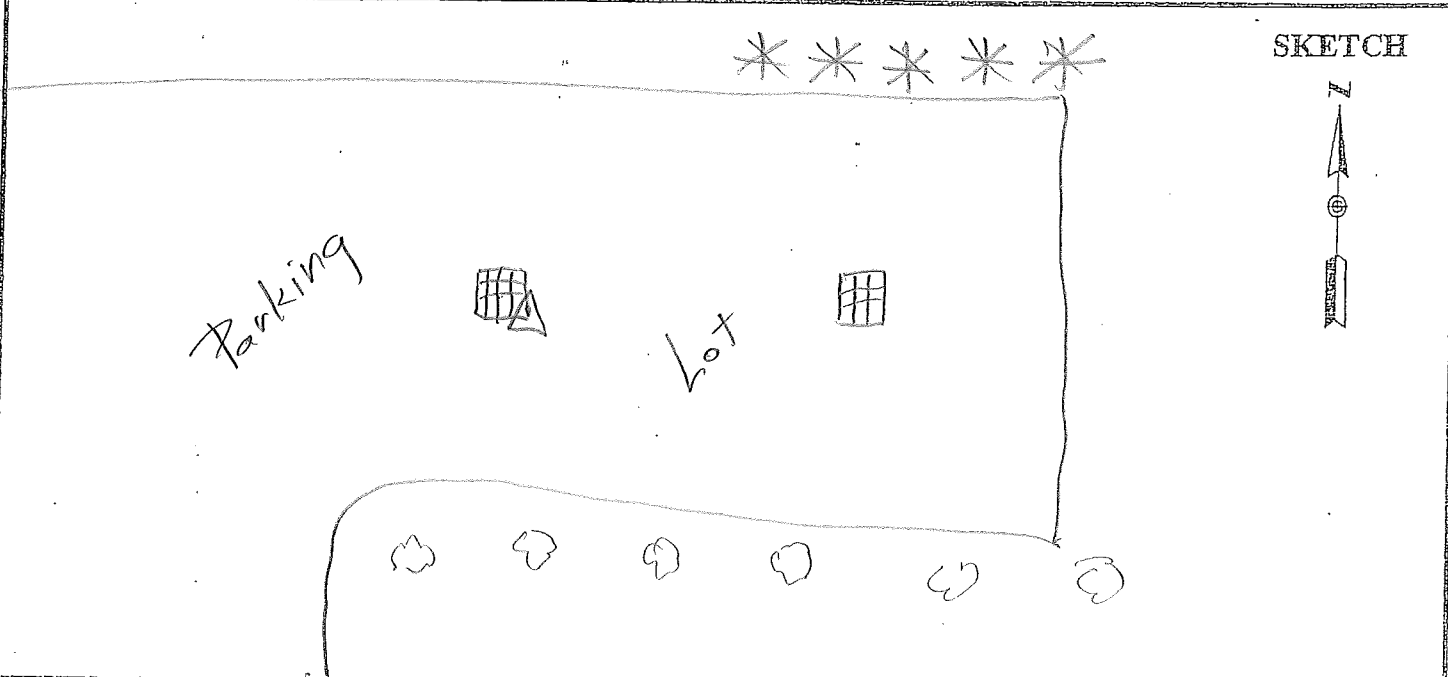
1.720

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0149	0.3	8/8
0204		

photo - W



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

USGS

H+V Ph. 10

PROJECT 111105
 OPERATOR NB
 DATE 3.7.12

SITE NUMBER 8
 SITE NAME 8

TRACKING TIMES (LOCAL) MEASURE
 START 2:21 p
 STOP 3:06 p

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: tree SE

HEIGHT READINGS MTS FT
1.380 _____
 1.740

STATION DESCRIPTIONS NW corner of blue asphalt

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
0421	1.7	9/9
0506		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
photo - W



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

USGS

H + V Ph. 10

PROJECT 111105
 OPERATOR MB
 DATE 3.8.12

SITE NUMBER 2
 SITE NAME 9

TRACKING TIMES (LOCAL) MEASURE
 START 8:44 a.
 STOP 9:29 a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: tree N.
bdg S.

HEIGHT READINGS MTS FT
1.410 _____

STATION DESCRIPTIONS SE corner
of grate

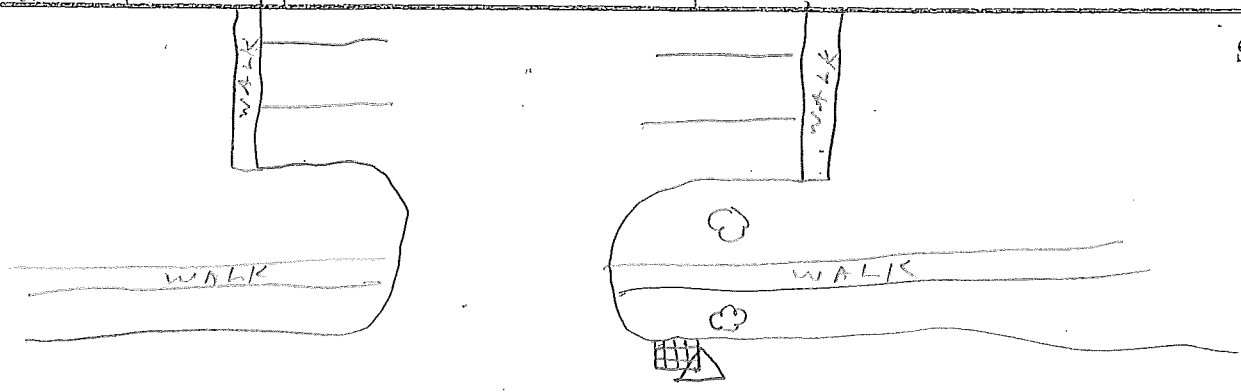
1.770

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

photo - N

TIME	GDOP	SATELLITES
2244	3.4	6/6
2329		



SKETCH



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

U S G S

H+V Ph 10

PROJECT 111105
 OPERATOR MB
 DATE 3.8.12

SITE NUMBER 4
 SITE NAME 10

TRACKING TIMES (LOCAL) MEASURE
 START 10:37 a.
 STOP 11:22 a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: tree w-

HEIGHT READINGS MTS FT
1.416

STATION DESCRIPTIONS center of MH

1.776

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0037	4.2	7/7
0127		

photo - W

SKETCH

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

H+V

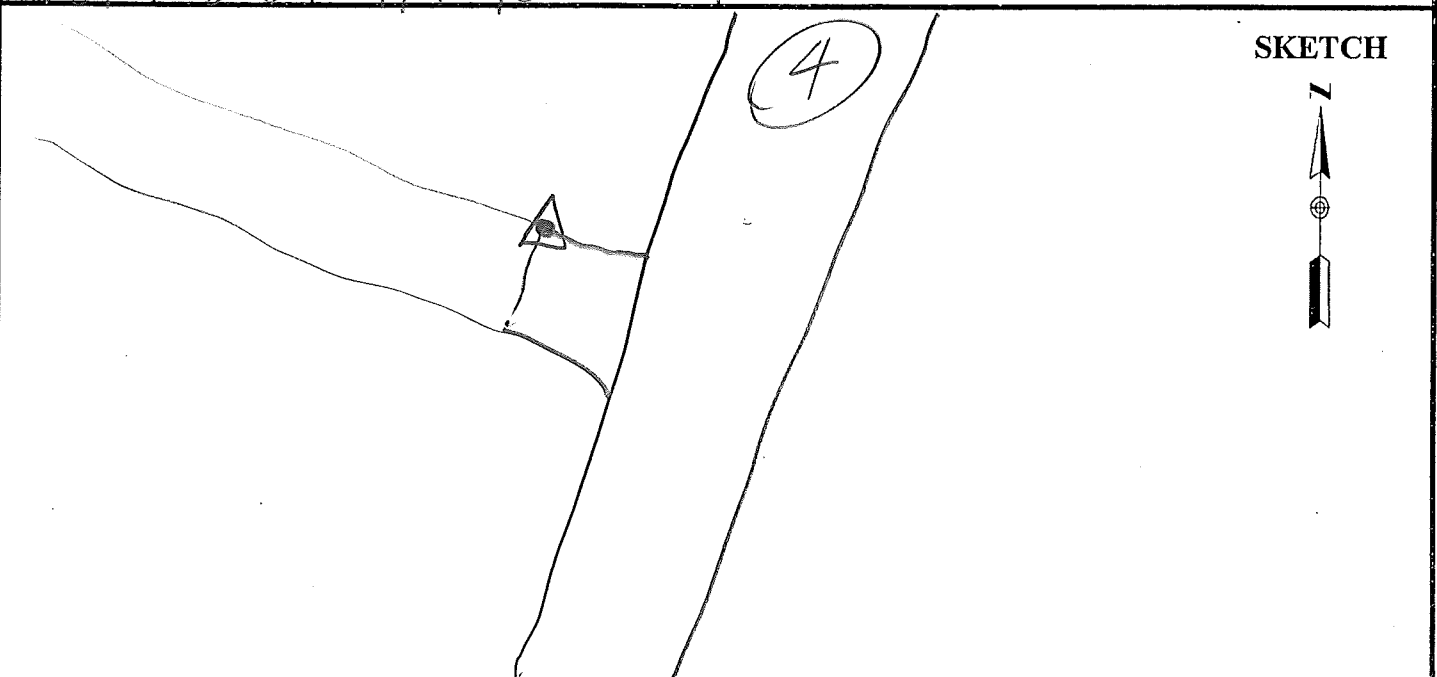
PROJECT <u>111105</u>	SITE NUMBER <u>8</u>
OPERATOR <u>WJN</u>	SITE NAME <u>1601</u>
DATE <u>2/29/12</u>	

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE <u>500</u> 9500 399 299
START <u>13:38</u>	MEMORY CARD <u>14</u>
STOP <u>14:01</u>	BATTERY NO. _____
	CONTROLLER NO. _____
	SENSOR NO. _____

SENSOR CONSTANT 299/399 0.441 399E/9500 0.389 500 <u>0.360</u>	OBSTRUCTIONS: <u>TREES ALL</u> <u>QUAD</u>
HEIGHT READINGS MTS FT <u>1270</u> _____	STATION DESCRIPTIONS <u>NW COR</u> <u>END OF ASPHALT</u>

SATELLITE OBSERVATIONS	WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
------------------------	---

TIME	GDOP	SATELLITES
<u>03:38</u>	<u>2.8</u>	<u>7/7-11</u>
<u>04:01</u>	<u>2.8</u>	<u>7/7-10</u>



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

H

PROJECT 111105
OPERATOR WIN
DATE 2/29/12

SITE NUMBER 11
SITE NAME 1602

TRACKING TIMES (LOCAL) MEASURE GMT+10
START 1522
STOP 1540

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
1-100 _____

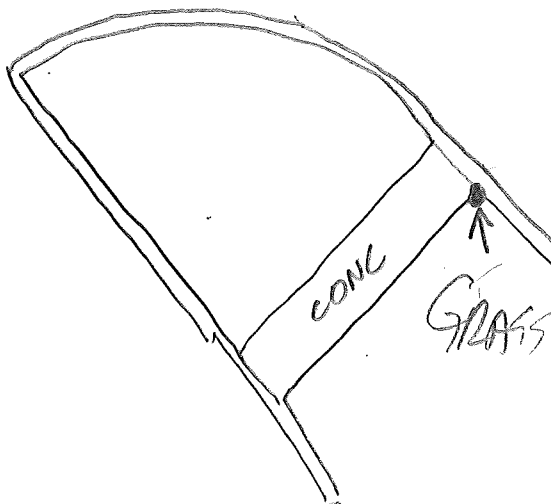
STATION DESCRIPTIONS IN COR
GRASS @ NE COR
END OF CONC WALK

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
5:22	2.2	8/8-8
5:40	POWERED OFF	

SKETCH



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

H+V
 QTHO

PROJECT 111105
 OPERATOR WJN
 DATE 3/01/12

SITE NUMBER 4
 SITE NAME 1603

TRACKING TIMES (LOCAL) MEASURE CMT+10
 START 11:48
 STOP 12:22

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 E, S

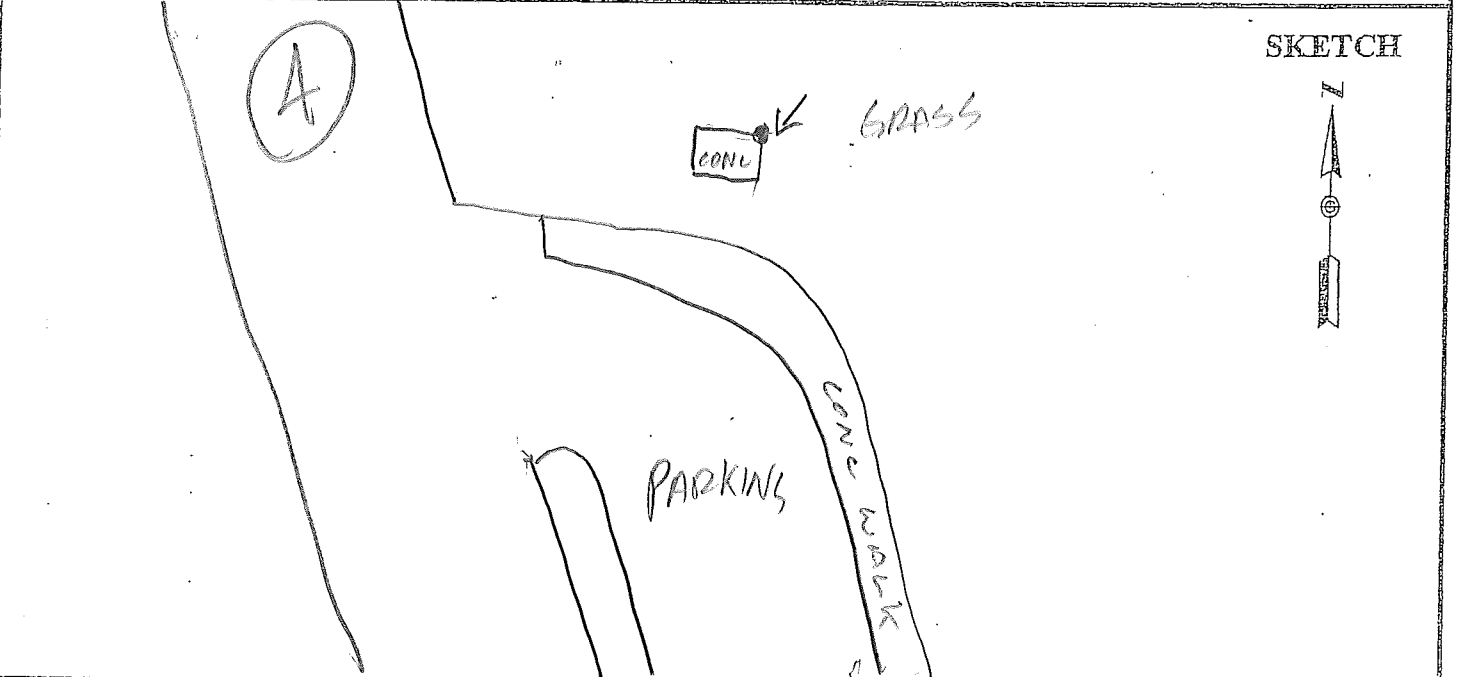
HEIGHT READINGS MTS FT
1.196 _____

STATION DESCRIPTIONS NE COR
CONC.

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>01:48</u>	<u>2.0</u>	<u>9/9-9</u>
<u>02:22</u>	<u>1.9</u>	<u>9/9-9</u>



SKETCH

X

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

H + V

PROJECT <u>111105</u>	SITE NUMBER <u>3</u>
OPERATOR <u>WN</u>	SITE NAME <u>1604</u>
DATE <u>3/02/12</u>	

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE <u>500</u> 9500 399 299
START <u>10:57</u>	MEMORY CARD <u>14</u>
STOP <u>11:47</u>	BATTERY NO. _____
	CONTROLLER NO. _____
	SENSOR NO. _____

SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	<u>0.360</u>

HEIGHT READINGS	MTS	FT
	<u>1.141</u>	

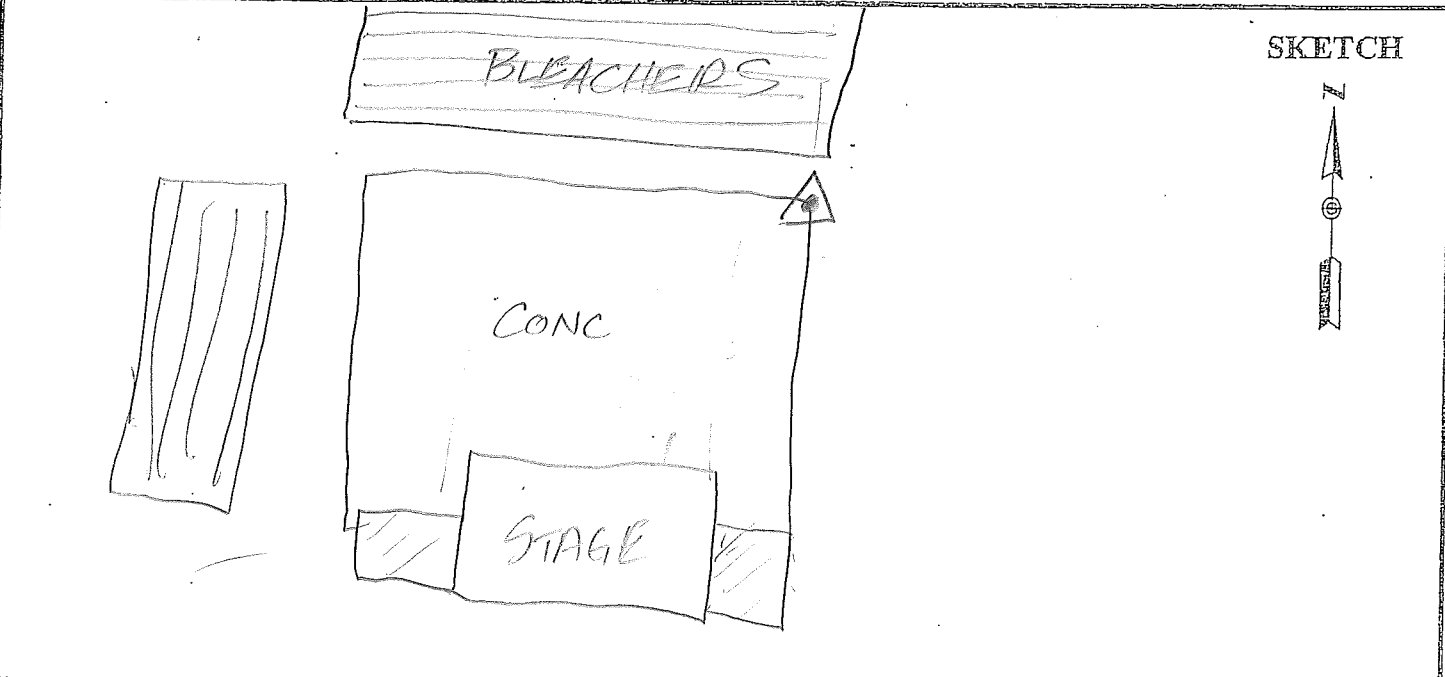
OBSTRUCTIONS: TREES S.

STATION DESCRIPTIONS NE COR
CONCRETE

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
RAIN

TIME	GDOP	SATELLITES
<u>00:57</u>	<u>4.1</u>	<u>8/8-8</u>
<u>01:47</u>		



paul.santos@dum.suam.gov

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

H+V

PROJECT	<u>111105</u>	SITE NUMBER	<u>2</u>
OPERATOR	<u>WIN</u>	SITE NAME	<u>1605</u>
DATE	<u>3/3/12</u>		

TRACKING TIMES (LOCAL) MEASURE <u>GMT +10</u>	SENSOR TYPE	<u>500</u>	9500	399	299
START	MEMORY CARD	<u>603</u>			
STOP	BATTERY NO.				
	CONTROLLER NO.				
	SENSOR NO.				

SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	<u>0.360</u>
HEIGHT READINGS	MTS	FT
	<u>1.192</u>	

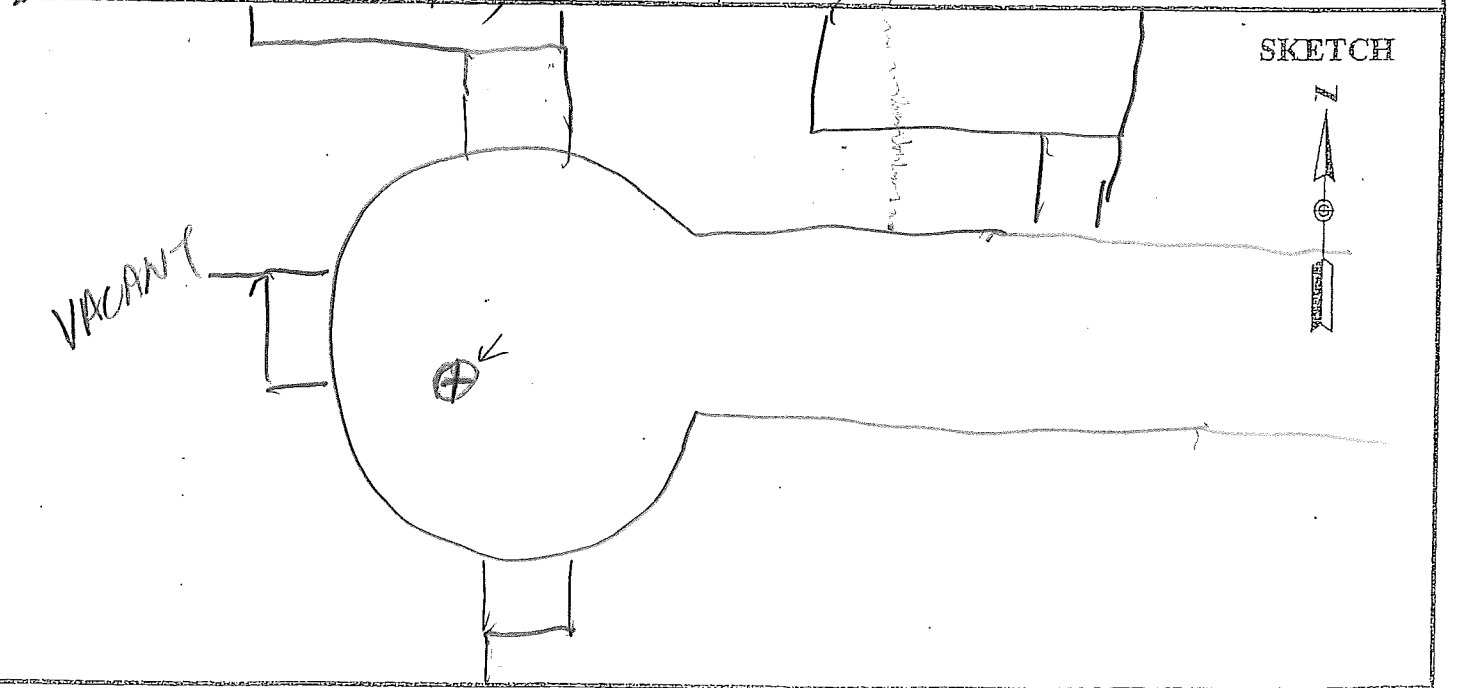
OBSTRUCTIONS: NO

STATION DESCRIPTIONS CENTER OF MANHOLE

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
<u>00:32</u>	<u>3.1</u>	<u>9/9-9</u>
<u>01:05</u>	<u>2.7</u>	<u>9/9-9</u>

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC



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

4+V

PROJECT <u>111105</u>	SITE NUMBER <u>6</u>
OPERATOR <u>WJN</u>	SITE NAME <u>1606</u>
DATE <u>3/4/12</u>	

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE <u>500</u> 9500 399 299
START <u>12:31</u>	MEMORY CARD <u>14</u>
STOP <u>13:15</u>	BATTERY NO. _____
	CONTROLLER NO. _____
	SENSOR NO. _____

SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	<u>0.360</u>

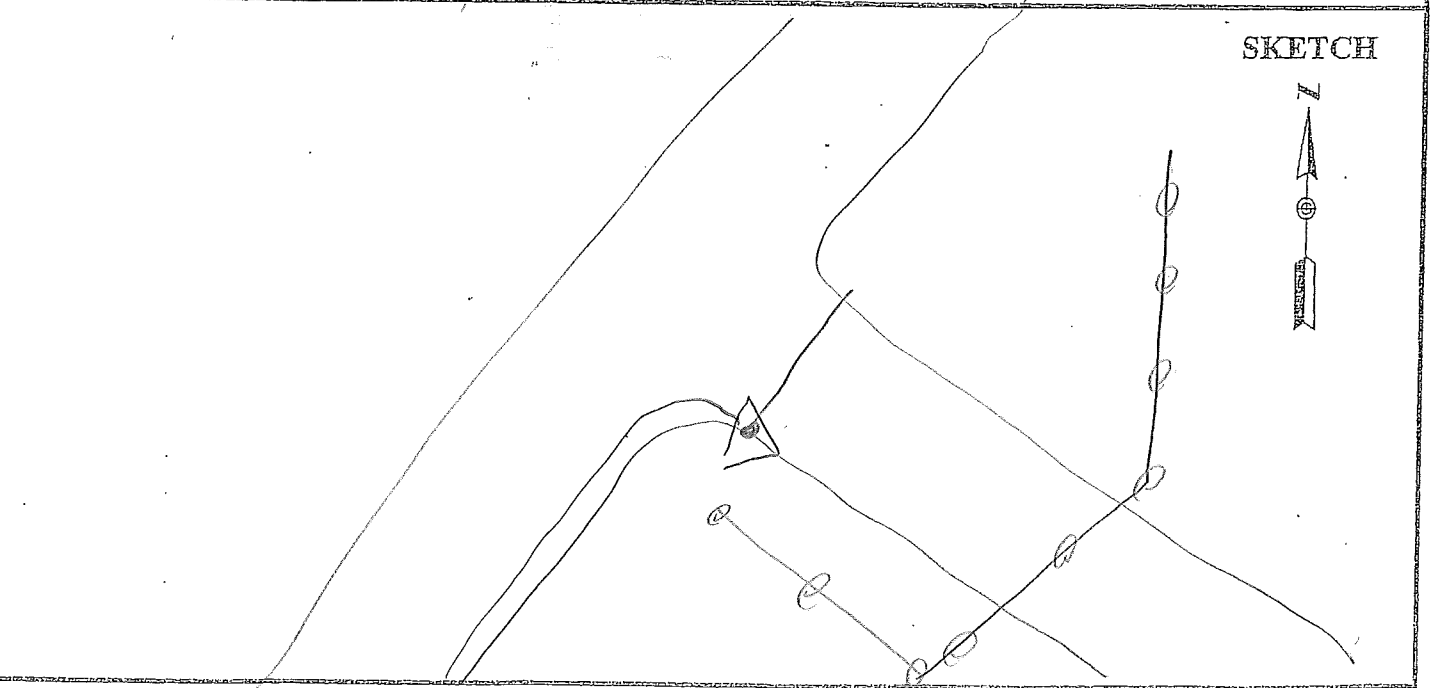
OBSTRUCTIONS: TREES N, W

HEIGHT READINGS	MTS	FT
	<u>1.205</u>	_____

STATION DESCRIPTIONS SW EDGE OF PAVEMENT @ CHANGE OF PAVEMENT AND FOGLINE

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
231	2.8	8/8-8
315	2.8	8/8-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
RAIN



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

02140
 NGS
 H+U

PROJECT 111105
 OPERATOR UJN
 DATE 3/5/12

SITE NUMBER 3
 SITE NAME 1607

TRACKING TIMES (LOCAL) MEASURE GMT +10
 START 10:15
 STOP 11:00

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: STOP SIGN SE

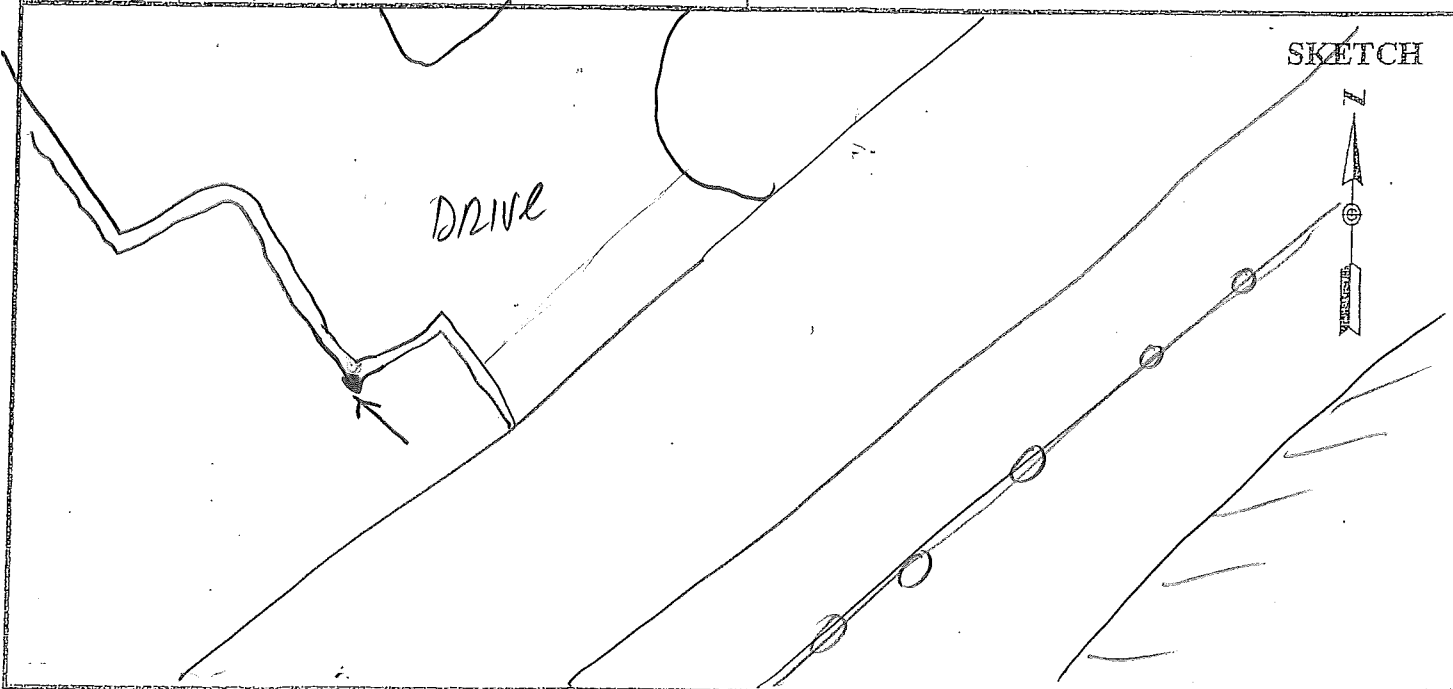
HEIGHT READINGS MTS FT
1.130 _____

STATION DESCRIPTIONS S. COR
OF T.B.O.C

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0015	2.3	
0100	2.2	



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

WFO
NGS

PROJECT 111105
OPERATOR WJN
DATE 3/5/12

SITE NUMBER 7
SITE NAME 1608

TRACKING TIMES (LOCAL) MEASURE GMT+10
START 14:34
STOP 15:19

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: _____

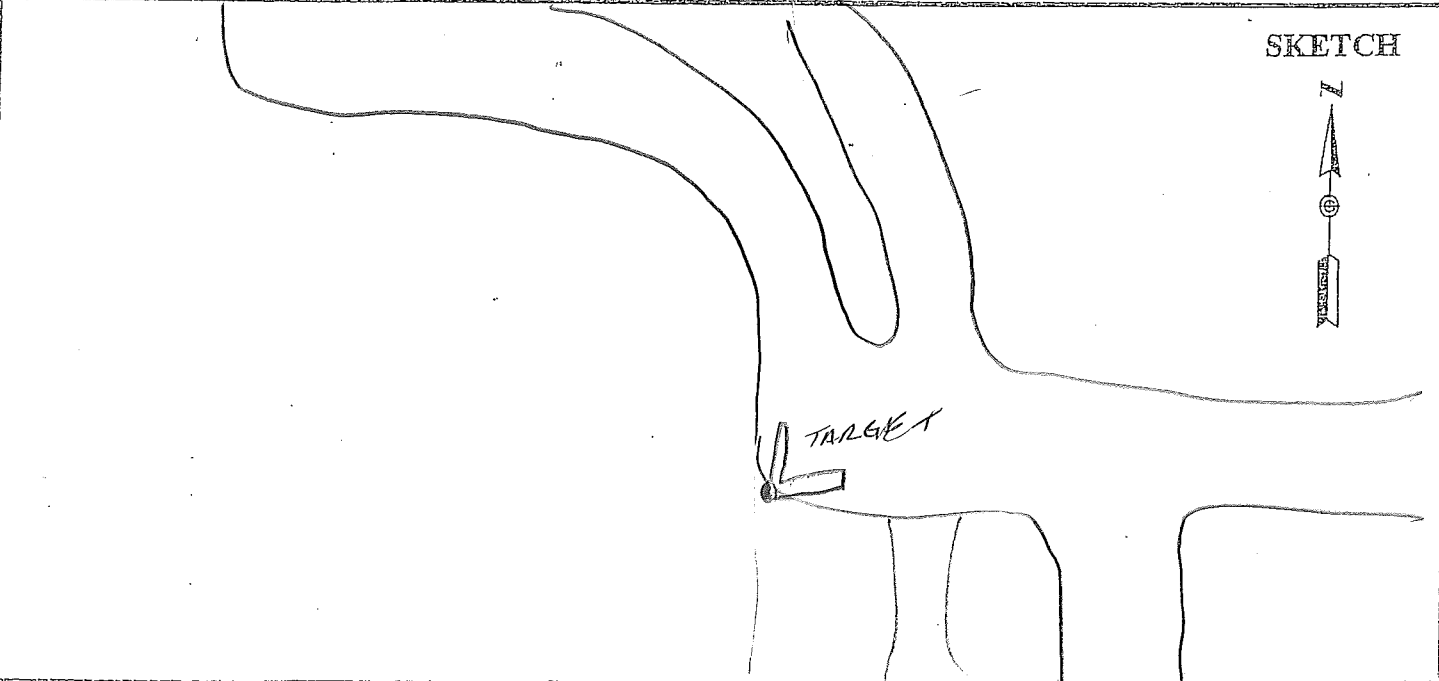
HEIGHT READINGS MTS FT
1.202 _____

STATION DESCRIPTIONS WHITE
"L" TARGET

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>434</u>	<u>2.0</u>	<u>9/9-9</u>
<u>510</u>	<u>2.8</u>	<u>8/8-8</u>



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

H+V
 USGS
 ORTHOS

PROJECT 111105
 OPERATOR WVN
 DATE 3/10/12

SITE NUMBER 6
 SITE NAME 1609

TRACKING TIMES (LOCAL) MEASURE GMT+11
 START 12:02
 STOP 12:34

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

OBSTRUCTIONS: TREES ALL
QUADRANTS

HEIGHT READINGS MTS FT
1.252 _____

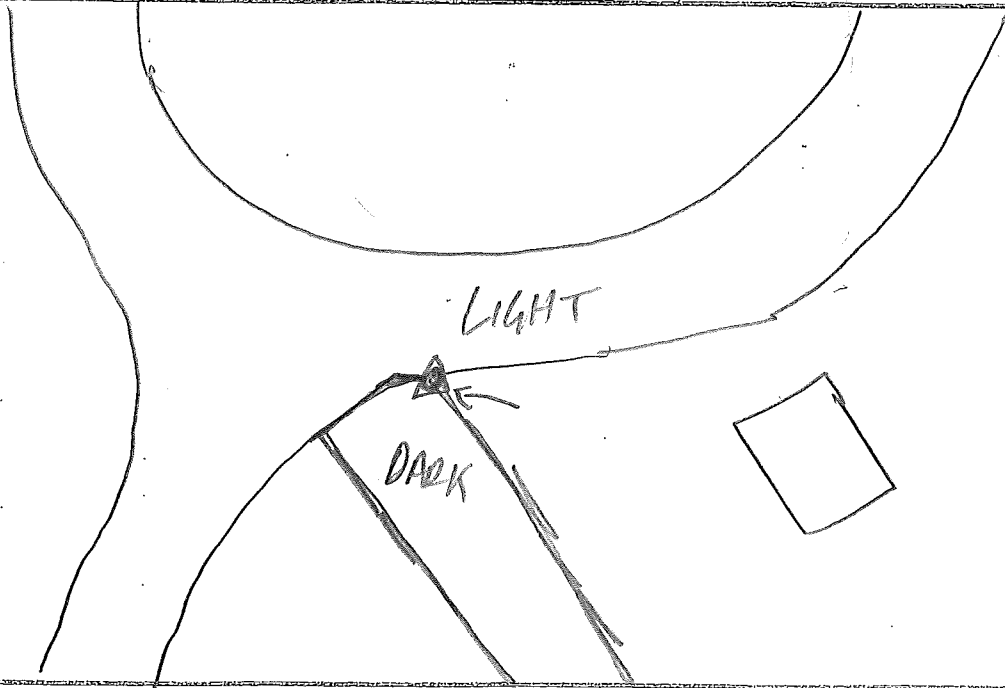
STATION DESCRIPTIONS NE COR
DARK DOME @ S. EDGE
LIGHT PAVEMENT

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
2:02	2.3	8/8-8
2:34	2.8	8/8-8

SKETCH



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

PROJECT <u>111105</u>	SITE NUMBER <u>11</u>
OPERATOR <u>WJN</u>	SITE NAME <u>1610</u>
DATE <u>3/6/12</u>	

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE <u>500</u> 9500 399 299
START <u>16 10</u>	MEMORY CARD <u>14</u>
STOP _____	BATTERY NO. _____
	CONTROLLER NO. _____
	SENSOR NO. _____

SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	<u>0.360</u>

OBSTRUCTIONS: _____

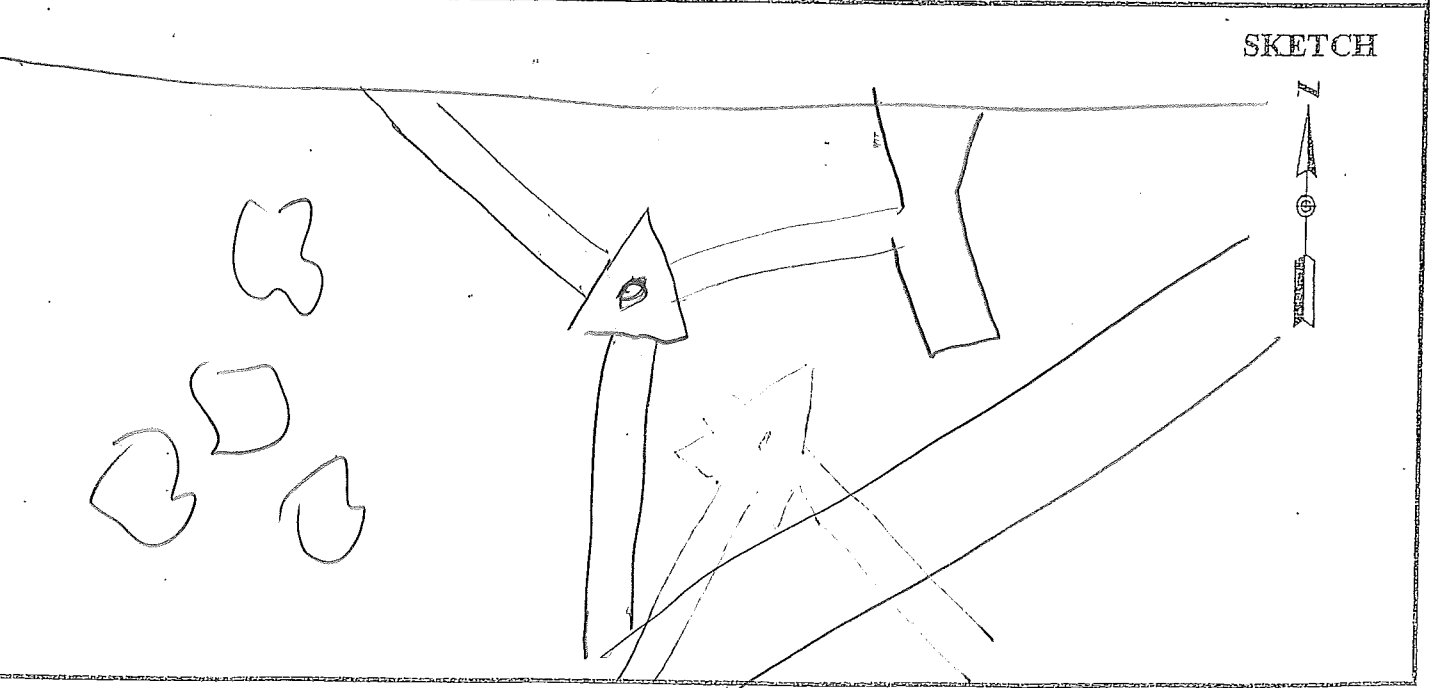
HEIGHT READINGS	MTS	FT
	<u>1.255</u>	_____

STATION DESCRIPTIONS G E INT
WALKS @ T'DIA BRASS
MON FOR GGN 0001

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>6:10</u>		



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

urban PT

PROJECT 111105
OPERATOR MB
DATE 2-29-12

SITE NUMBER 12
SITE NAME 101

TRACKING TIMES (LOCAL) MEASURE
START 3:54 p
STOP 4:19 p

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

HEIGHT READINGS MTS FT
 1.395 _____

OBSTRUCTIONS: tree NE

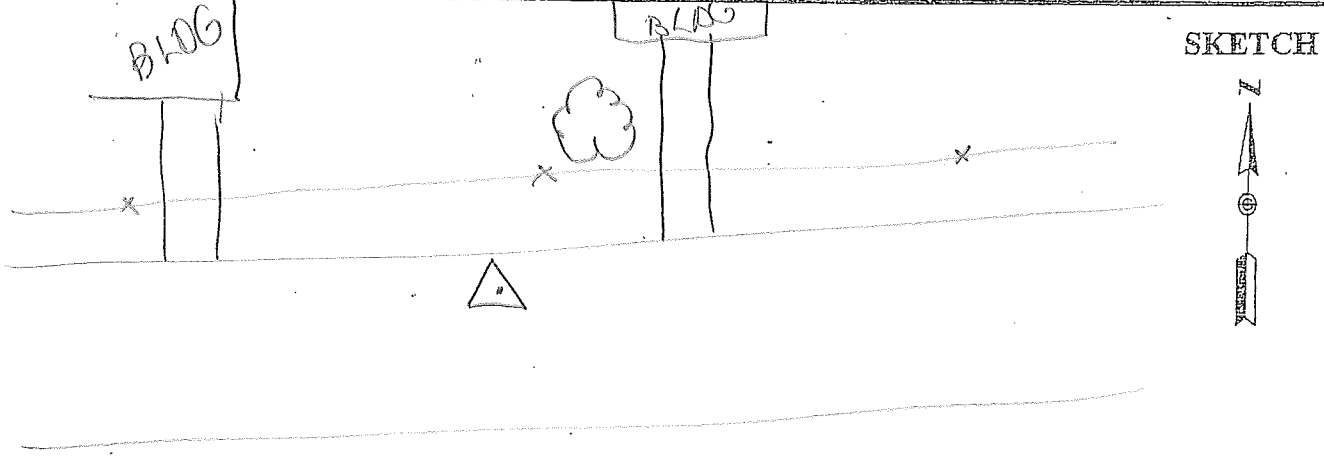
STATION DESCRIPTIONS N. side street

1755

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0054	2.6	8/8
0119		



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

urban PT

PROJECT 111105
 OPERATOR MB
 DATE 3.1.12

SITE NUMBER ~~4~~
 SITE NAME ~~102~~

TRACKING TIMES (LOCAL) MEASURE
 START 11:11 a.
 STOP 11:41 a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

HEIGHT READINGS MTS FT
1.396 _____

1756

OBSTRUCTIONS: trees W ← NE

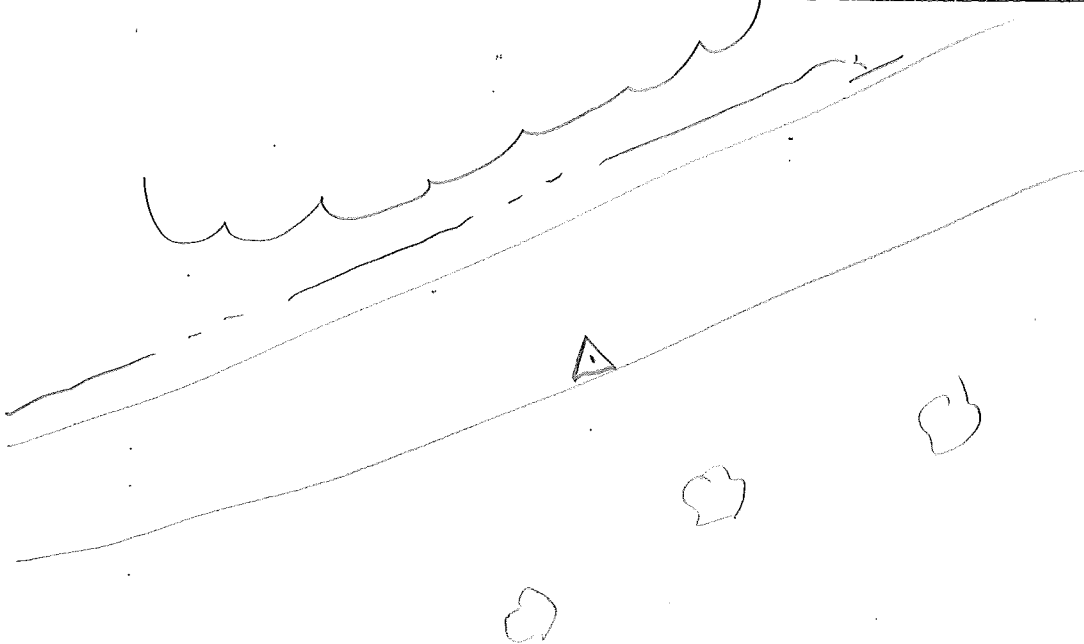
STATION DESCRIPTIONS

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0111	3.8	7/7
0141		

SKETCH



Not processed.

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

urban PT

PROJECT 111105
 OPERATOR MB
 DATE 3.2.12

SITE NUMBER 3
 SITE NAME 103

TRACKING TIMES (LOCAL) MEASURE
 START 9:42 a.
 STOP 10:27 a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: none

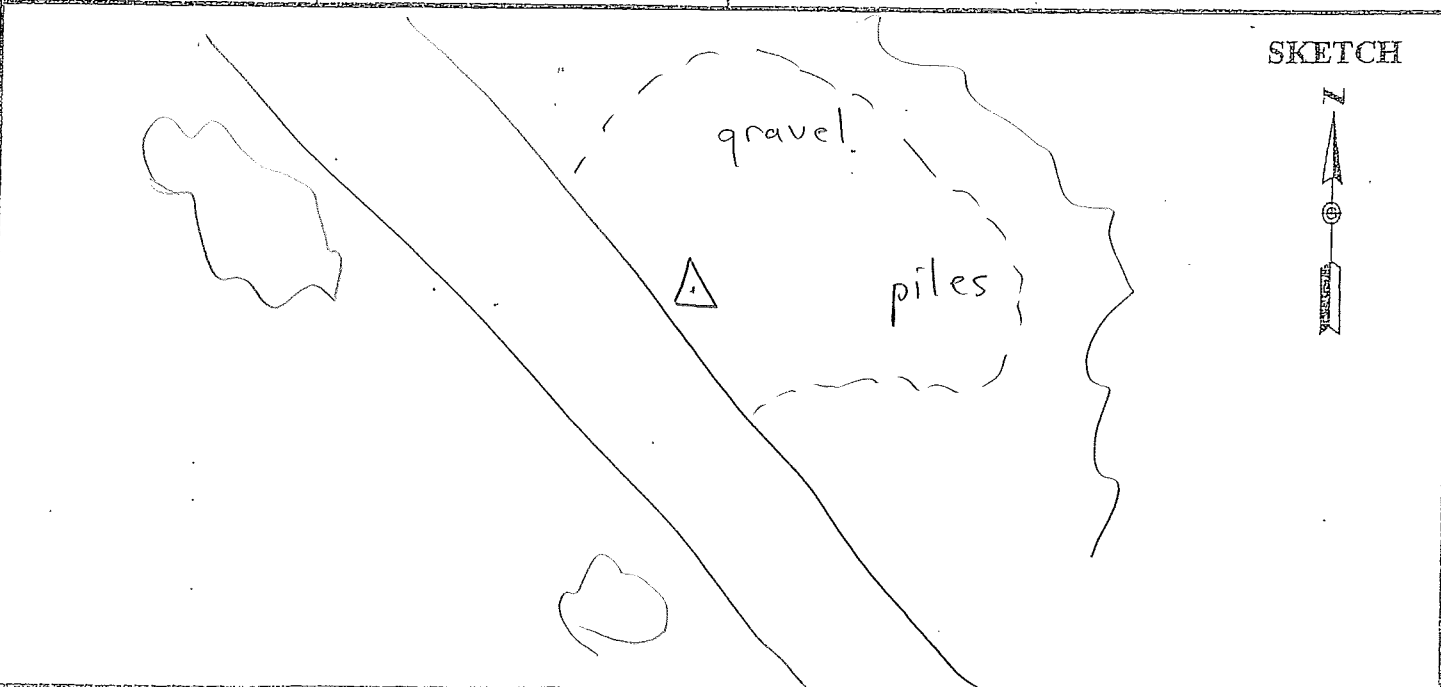
HEIGHT READINGS MTS FT
1.412 _____
 1.772

STATION DESCRIPTIONS NE of road

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
2342	1.8	10/10
0027		



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

urban PT

PROJECT 111105
 OPERATOR NB
 DATE 3.3.12

SITE NUMBER 6
 SITE NAME 104

TRACKING TIMES (LOCAL) MEASURE

START 12:11 p
 STOP 12:56 p

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: tree W + SE

HEIGHT READINGS MTS FT
1.390 _____

STATION DESCRIPTIONS E. side of road

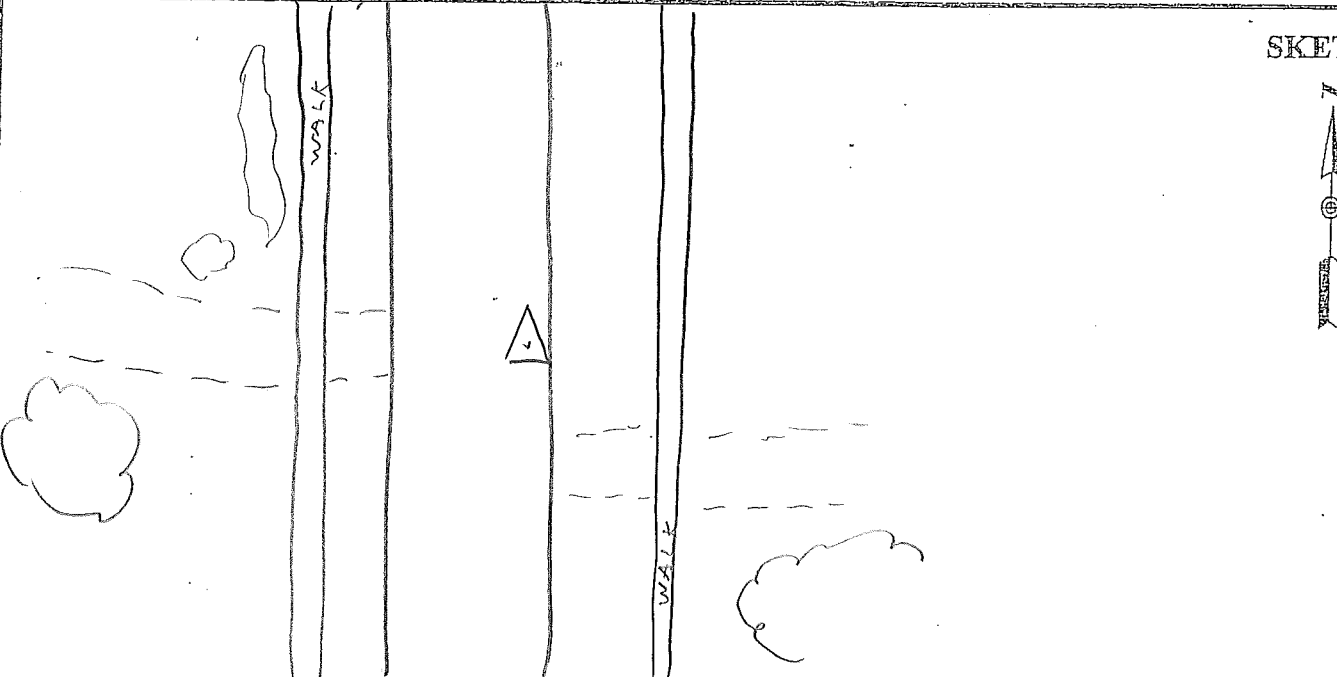
1.750

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0211	1.9	9/9
0256	1.9	10/10

SKETCH



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

urban PT

PROJECT 111105
OPERATOR MS
DATE 3.3.12

SITE NUMBER 10
SITE NAME 105

TRACKING TIMES (LOCAL) MEASURE
START 3:44 p
STOP 4:29 p

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. QB
CONTROLLER NO. _____
SENSOR NO. _____

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

HEIGHT READINGS MTS FT
 1.355 _____

1715

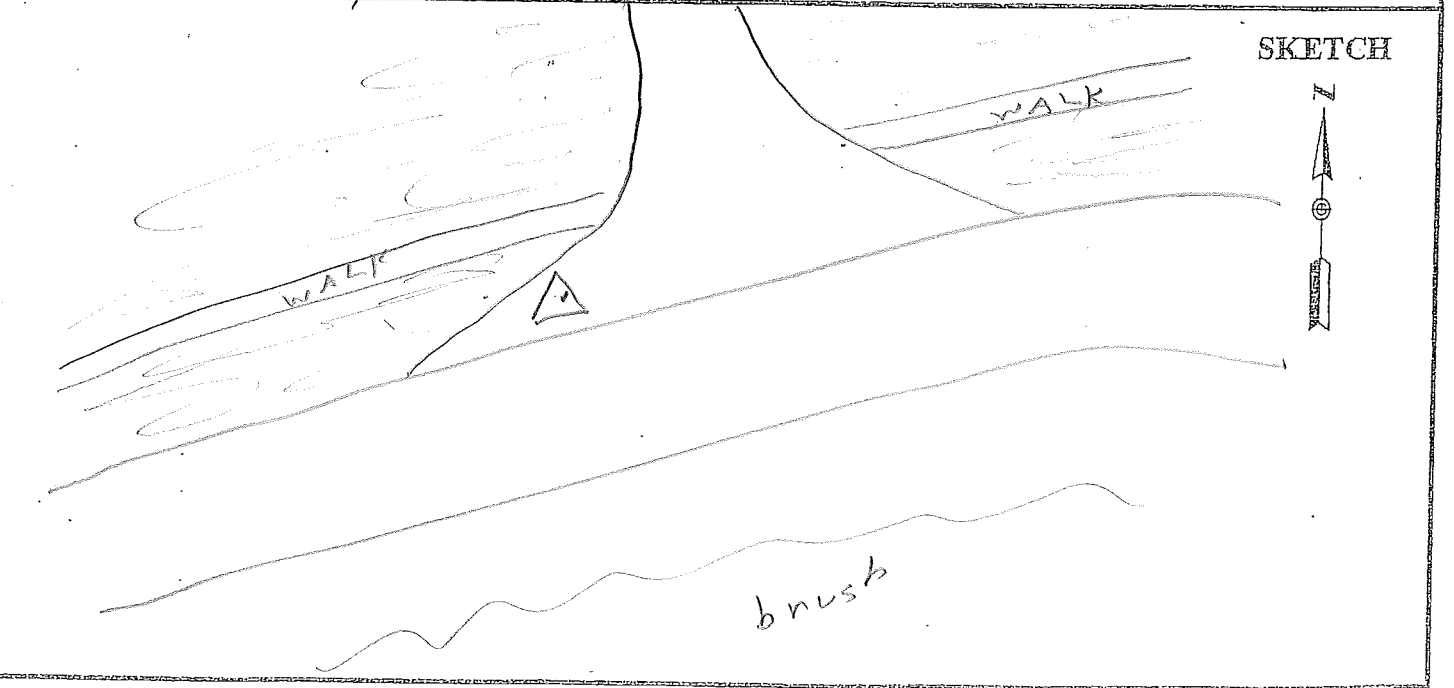
OBSTRUCTIONS: none

STATION DESCRIPTIONS on N shoulder

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
0544	2.0	9/9
0629	2.6	9/9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

urban PT

PROJECT <u>111105</u>	SITE NUMBER <u>3</u>
OPERATOR <u>NB</u>	SITE NAME <u>106</u>
DATE <u>3.3.12</u>	

TRACKING TIMES (LOCAL) MEASURE <input checked="" type="checkbox"/>	SENSOR TYPE <u>500</u> <u>9500</u> <u>399</u> <u>299</u>
START <u>9:28 a.</u>	MEMORY CARD <u>704</u>
STOP <u>10:13 a.</u>	BATTERY NO. <u>CB</u>
	CONTROLLER NO. _____
	SENSOR NO. _____

SENSOR CONSTANT	299/399 <u>0.441</u>	
	399E/9500 <u>0.389</u>	
	500 <u>0.360</u>	
HEIGHT READINGS	MTS	FT
	<u>1.414</u>	
		<u>1.774</u>

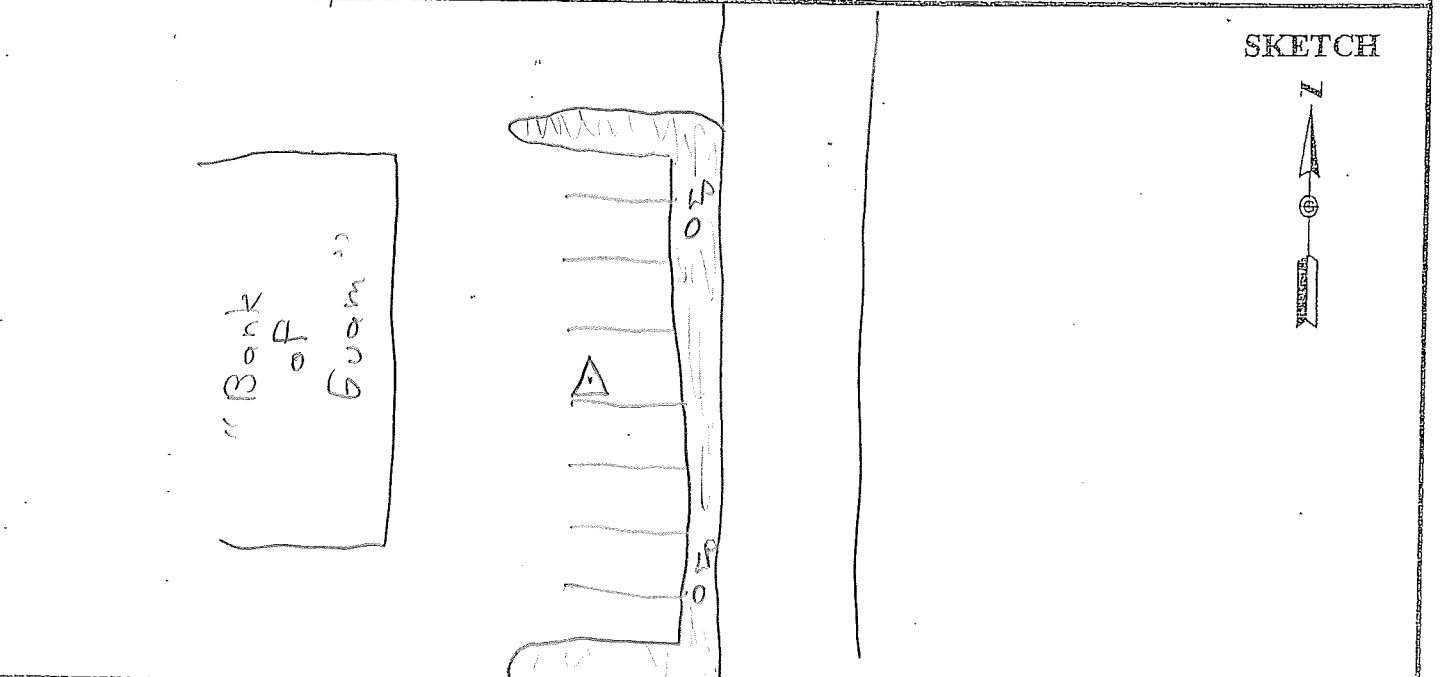
OBSTRUCTIONS: bdg w.

STATION DESCRIPTIONS in bank

parking lot

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
2328	2.1	7/9
0013	3.1	9/9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

AME
hard VPT

PROJECT <u>111105</u>	SITE NUMBER <u>5</u>
OPERATOR <u>MB</u>	SITE NAME <u>107</u>
DATE <u>3.5.12</u>	

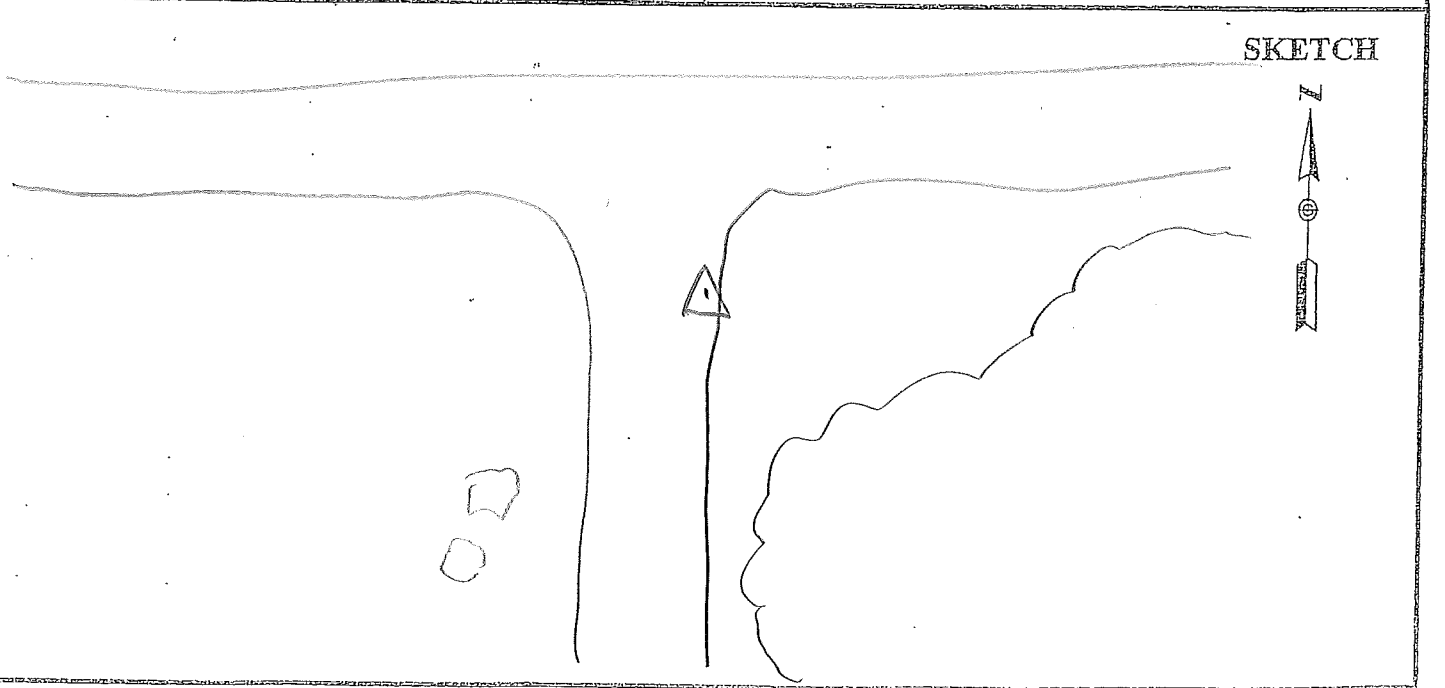
TRACKING TIMES (LOCAL) MEASURE <input checked="" type="checkbox"/>	SENSOR TYPE <u>500</u> 9500 399 299
START <u>12:45 p</u>	MEMORY CARD <u>704</u>
STOP <u>1:30 p</u>	BATTERY NO. <u>CB</u>
	CONTROLLER NO. _____
	SENSOR NO. _____

SENSOR CONSTANT	299/399 0.441	
	399E/9500 0.389	
	<u>500</u> <u>0.360</u>	
HEIGHT READINGS	MTS	FT
	<u>1.400</u>	
		<u>1.760</u>

OBSTRUCTIONS: <u>trees SE</u>
STATION DESCRIPTIONS <u>E side road</u>

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
0245	2.3	8/8
0330	1.8	10/10

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

urban

PROJECT 111105
OPERATOR NB
DATE 3-6-12

SITE NUMBER 7
SITE NAME 108

TRACKING TIMES (LOCAL) MEASURE
START 2:13 p
STOP 2:58 p

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

OBSTRUCTIONS: trees S.

HEIGHT READINGS MTS FT
1.382 _____

STATION DESCRIPTIONS E shoulder

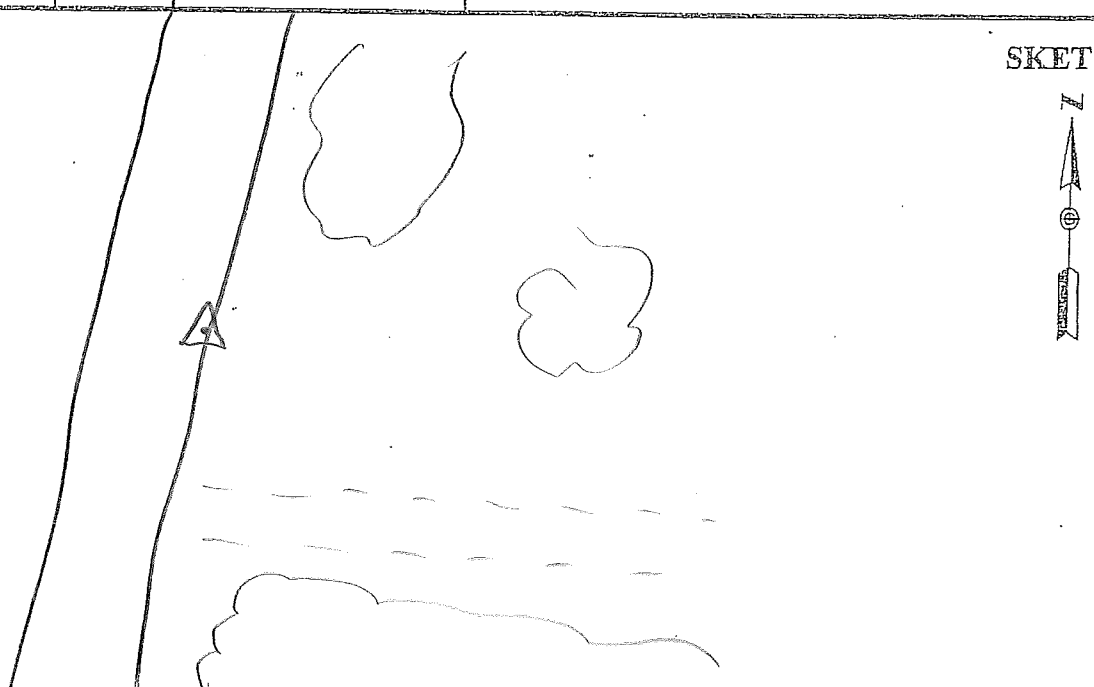
1740

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0413	2.8	7/7
0458		

SKETCH



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

urban PT

PROJECT 111105
OPERATOR MB
DATE 3.7.12

SITE NUMBER 2
SITE NAME 109

TRACKING TIMES (LOCAL) MEASURE
START 8:14 a.
STOP 8:59 a.

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

OBSTRUCTIONS: tree SE

HEIGHT READINGS MTS FT
1.415 _____

STATION DESCRIPTIONS S. of road
in gravel area

1.775

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
2214	1.9	7/8
2259		

STORE

SKETCH



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

urban JPT

PROJECT 111105
 OPERATOR NB
 DATE 3.7.12

SITE NUMBER 7
 SITE NAME 110

TRACKING TIMES (LOCAL) MEASURE

START 1:18 p
 STOP 2:03 p

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: tree SE

HEIGHT READINGS MTS FT
 1.364 _____

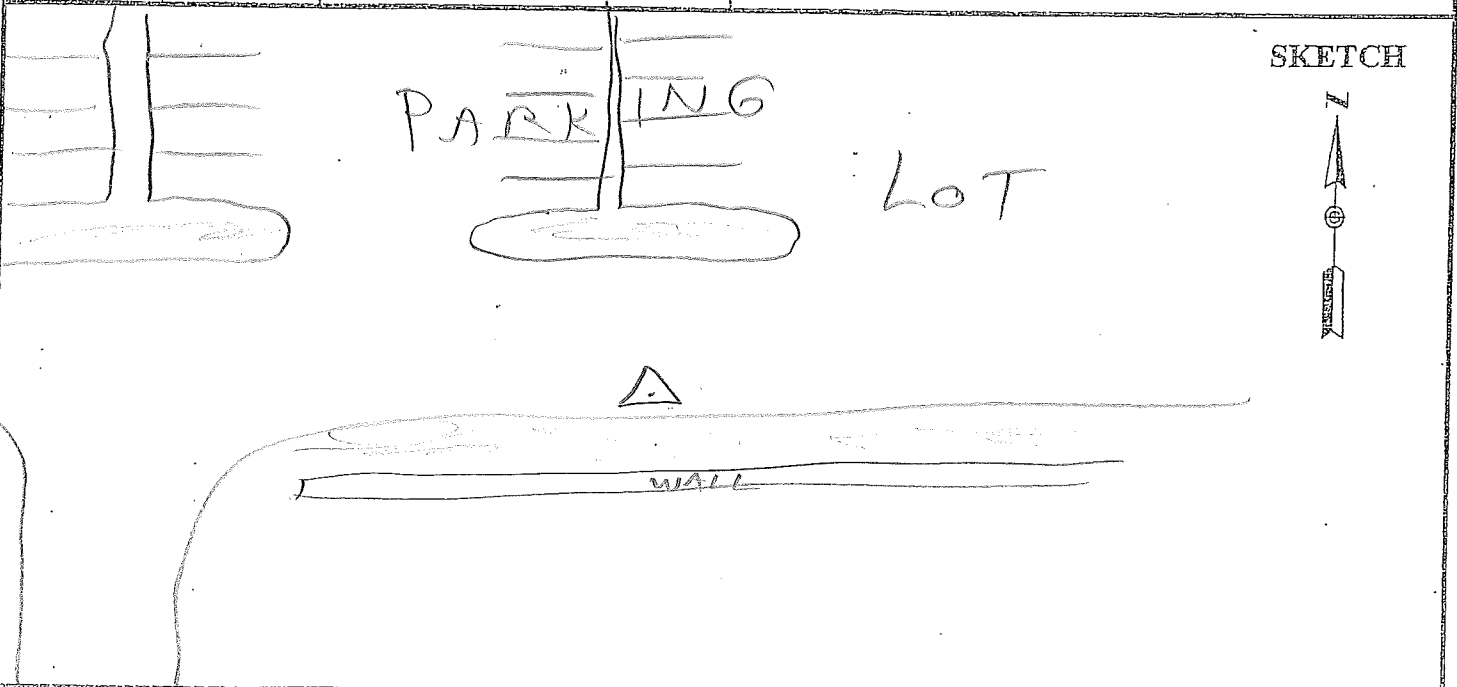
STATION DESCRIPTIONS S. side page

1724

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0318	2.4	10/10
0403		



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

urban PT

PROJECT 111105
OPERATOR MB
DATE 3.8.12

SITE NUMBER 5
SITE NAME 111

TRACKING TIMES (LOCAL) MEASURE

START 11:33 a
STOP 12:18 p

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

OBSTRUCTIONS: none

HEIGHT READINGS MTS FT
1.402 _____

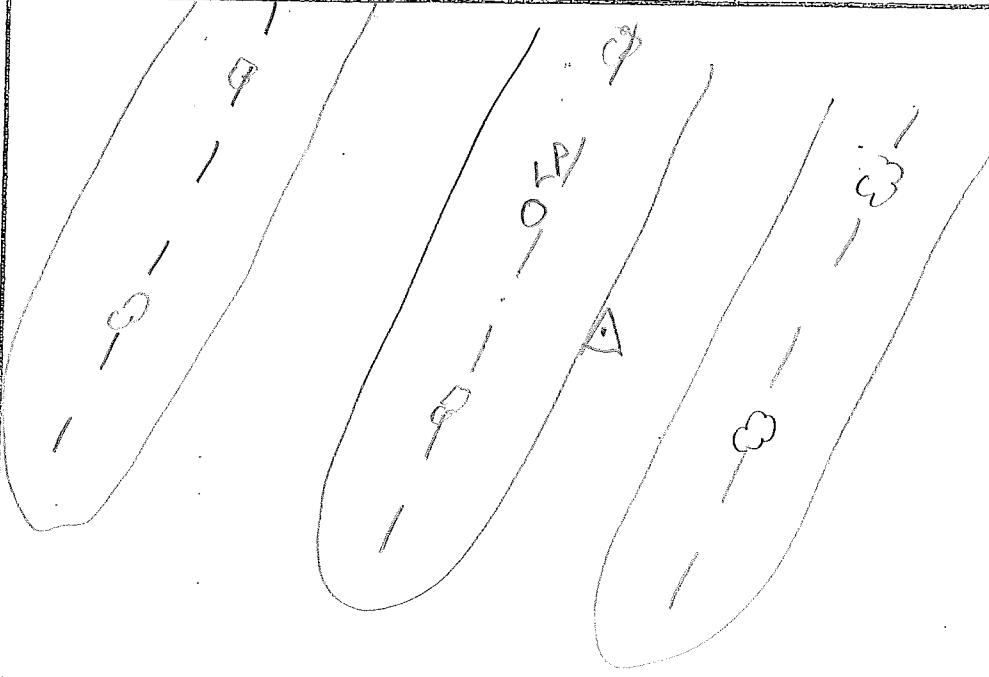
STATION DESCRIPTIONS NW side
of parking aisle

1.762

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0133	2.5	8/8
0218		



SKETCH



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

URBAN

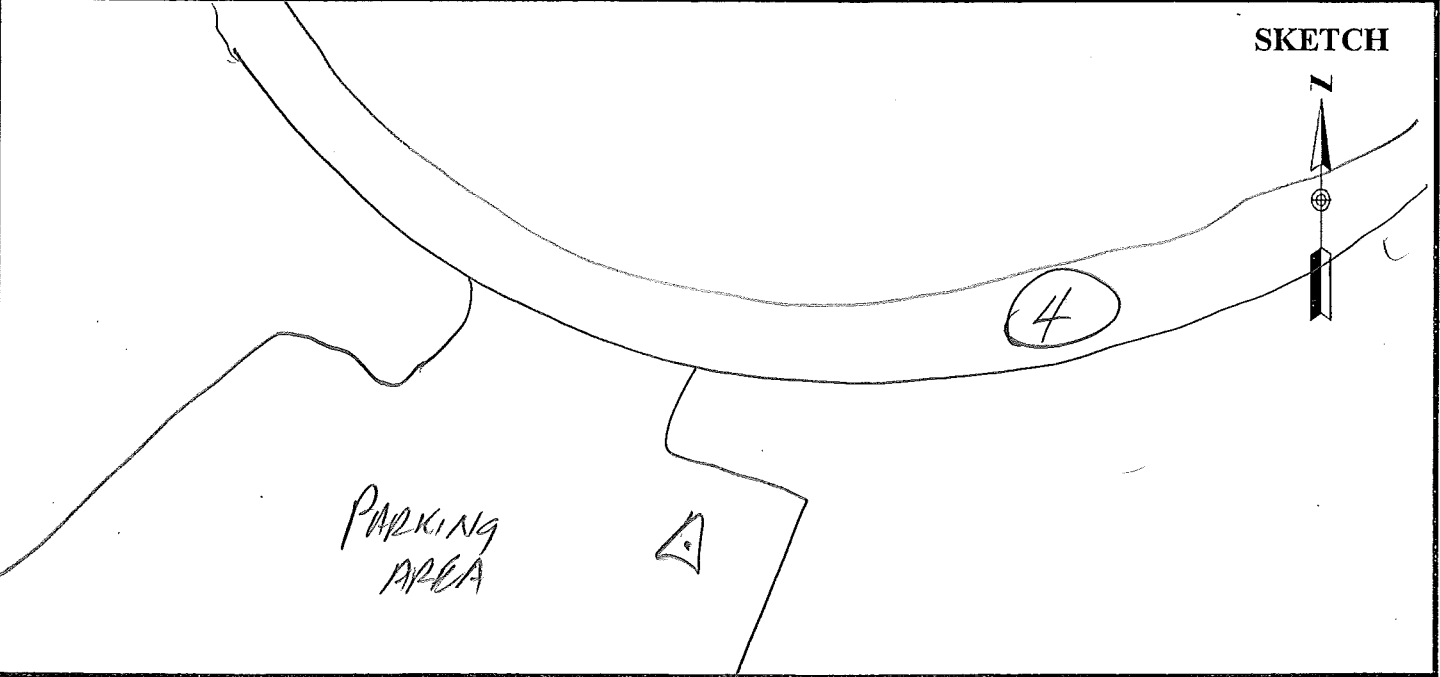
PROJECT	<u>111105</u>	SITE NUMBER	<u>5</u>
OPERATOR	<u>WJN</u>	SITE NAME	<u>1101</u>
DATE	<u>2/29/12</u>		

TRACKING TIMES (LOCAL) MEASURE	<u>GMT+10</u>	SENSOR TYPE	<u>500</u> 9500 399 299
START	<u>12:12</u>	MEMORY CARD	<u>14</u>
STOP	<u>12:33</u>	BATTERY NO.	
		CONTROLLER NO.	
		SENSOR NO.	

SENSOR CONSTANT	299/399	0.441	OBSTRUCTIONS:
	399E/9500	0.389	
	500	<u>0.360</u>	
HEIGHT READINGS	MTS	FT	STATION DESCRIPTIONS
	<u>1.281</u>		<u>POINT IN</u>
			<u>NE COR LARGE PARKING</u>
			<u>LOT</u>

SATELLITE OBSERVATIONS	WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
	<u>CLEARING, WINDY</u>

TIME	GDOP	SATELLITES
<u>0212</u>	<u>1.9</u>	<u>9/9-9</u>
<u>0233</u>	<u>1.9</u>	<u>9/9-9</u>



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

URBAN

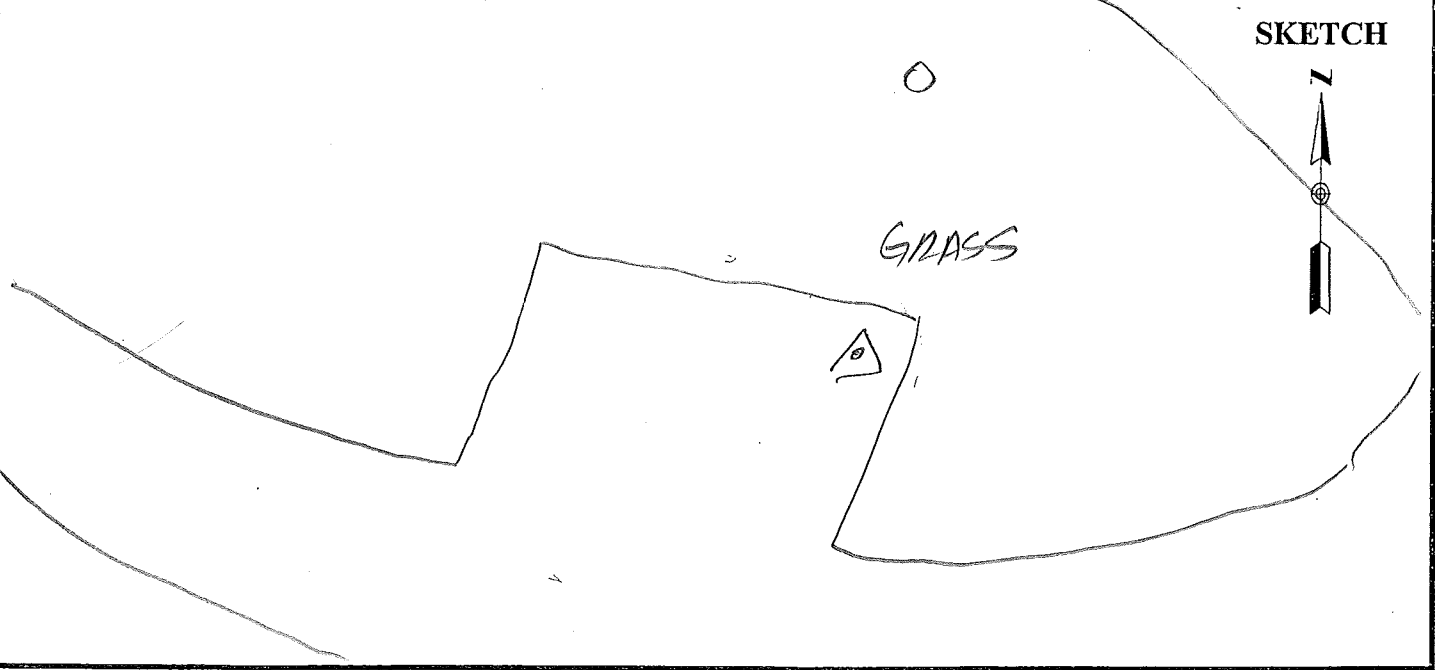
PROJECT	<u>11105</u>	SITE NUMBER	<u>10</u>
OPERATOR	<u>WJN</u>	SITE NAME	<u>1102</u>
DATE	<u>2/29/12</u>		

TRACKING TIMES (LOCAL) MEASURE <u>GMT +10</u>	SENSOR TYPE	<u>500</u>	9500	399	299
START <u>14:43</u>	MEMORY CARD	<u>14</u>			
STOP <u>15:07</u>	BATTERY NO.				
	CONTROLLER NO.				
	SENSOR NO.				

SENSOR CONSTANT	299/399	0.441	OBSTRUCTIONS: <u>CHURCH S.</u>
	399E/9500	0.389	
	500	<u>0.360</u>	
HEIGHT READINGS	MTS	FT	STATION DESCRIPTIONS <u>POINT S'</u>
	<u>1.267</u>		<u>SW OF NE COR</u>
			<u>ASPHALT PARKING</u>
			<u>AREA</u>

SATELLITE OBSERVATIONS	WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
	<u>RAIN</u>

TIME	GDOP	SATELLITES
<u>04:43</u>	<u>2.8</u>	<u>8/8-10</u>
<u>05:07</u>		



Not processed.

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

URBAN

PROJECT <u>111105</u>	SITE NUMBER <u>6</u>
OPERATOR <u>WJN</u>	SITE NAME <u>1103</u>
DATE <u>3/01/12</u>	

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE <u>(500)</u> 9500 399 299
START <u>13:29</u>	MEMORY CARD <u>14</u>
STOP <u>13:59</u>	BATTERY NO. _____
	CONTROLLER NO. _____
	SENSOR NO. _____

SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	<u>0.360</u>
HEIGHT READINGS	MTS	FT
	<u>1.274</u>	_____

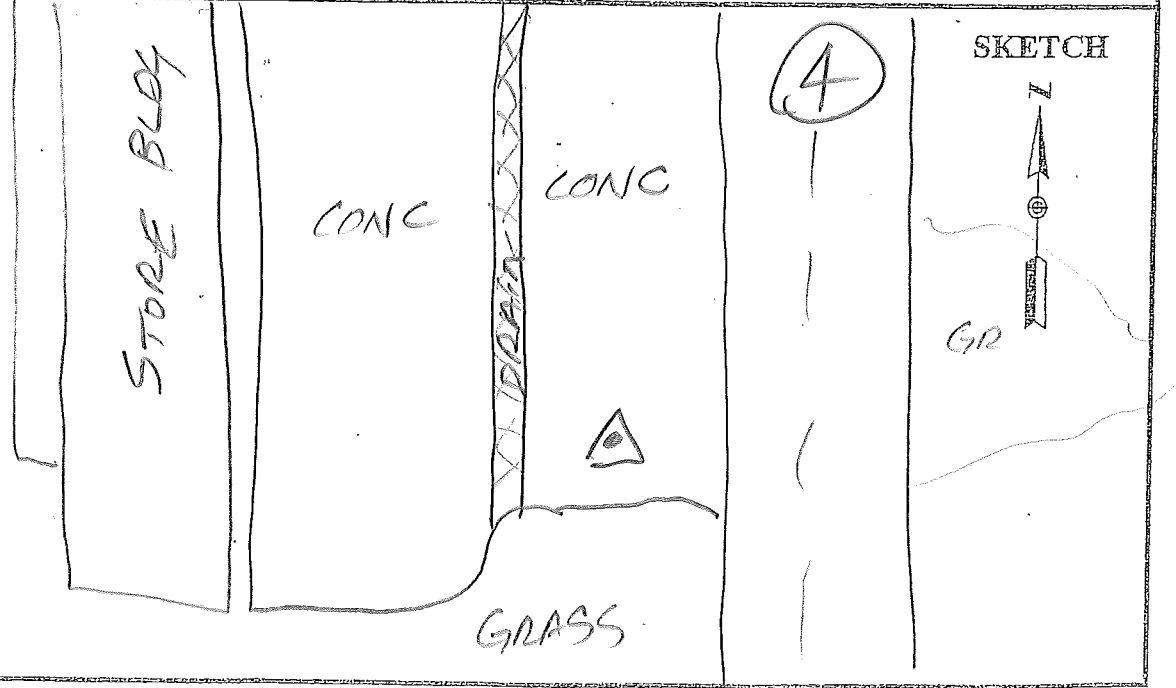
OBSTRUCTIONS: TREES S, W

STATION DESCRIPTIONS POINT IN CONC PARKING LOT

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
03:29	3.1	8/8-10
03:59		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

PC



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

URBAN

PROJECT 111105
 OPERATOR MJN
 DATE 3/5/11

SITE NUMBER 4
 SITE NAME 1104

TRACKING TIMES (LOCAL) MEASURE GMT+11
 START 11:16
 STOP 12:01

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 ALL QUADS

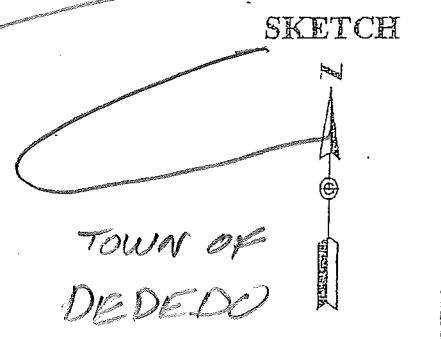
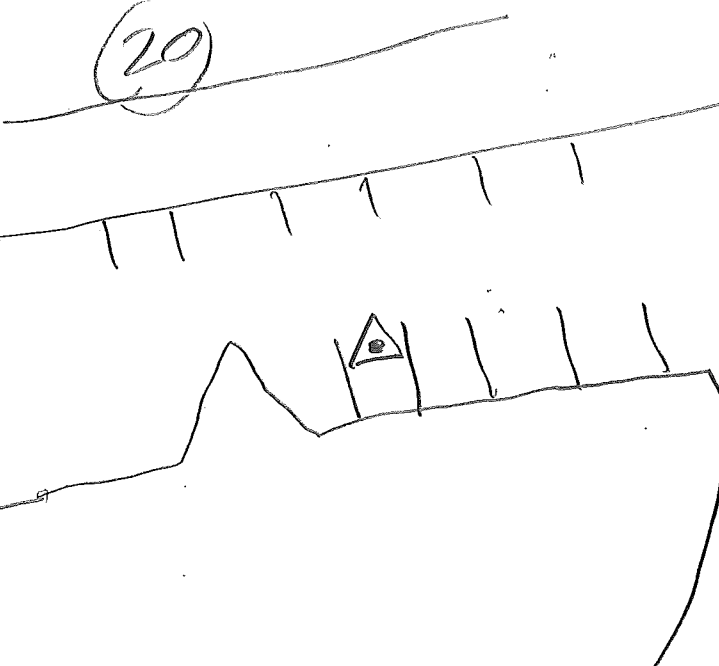
HEIGHT READINGS MTS FT
1.275 _____

STATION DESCRIPTIONS POINT IN LARGE PARKING AREA

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
01:16	2.1	9/9-9
2:01	2.4	9/9-19



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

URBAN

PROJECT <u>111105</u>	SITE NUMBER <u>5</u>
OPERATOR <u>UNIN</u>	SITE NAME <u>1105</u>
DATE <u>3/5/12</u>	

TRACKING TIMES (LOCAL) MEASURE <u>GMT +11</u>	SENSOR TYPE <u>500</u> 9500 399 299
START <u>12:30</u>	MEMORY CARD <u>14</u>
STOP <u>13:15</u>	BATTERY NO. _____
	CONTROLLER NO. _____
	SENSOR NO. _____

SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	<u>0.360</u>

OBSTRUCTIONS: TREES

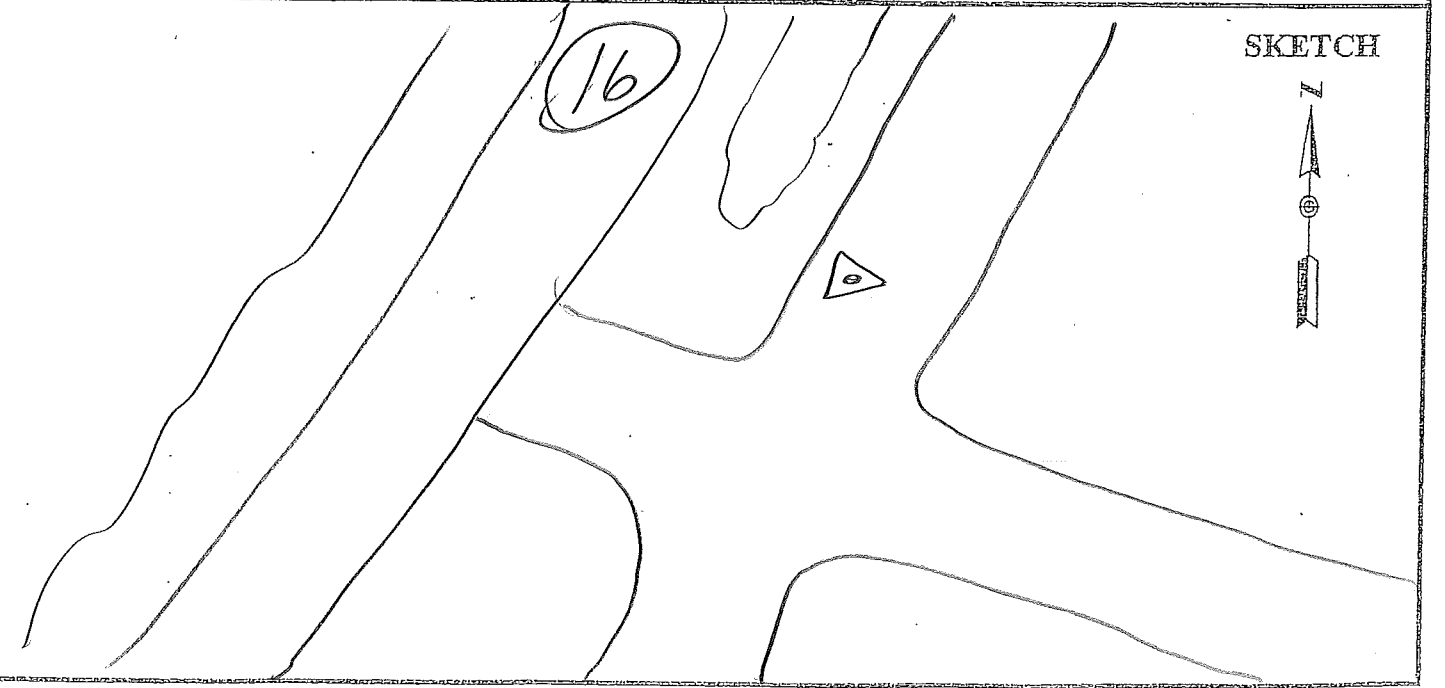
HEIGHT READINGS	MTS	FT
	<u>1.249</u>	_____

STATION DESCRIPTIONS E S BND
LANE OPP END OF
HEDGE

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>0230</u>	<u>2.6</u>	<u>8/8-8</u>
<u>0315</u>	<u>2.8</u>	<u>8/8-8</u>



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

URBAN

PROJECT	111105	SITE NUMBER	2
OPERATOR	WJN	SITE NAME	1106
DATE	3/6/12		

TRACKING TIMES (LOCAL) MEASURE	GMT+10	SENSOR TYPE	500 9500 399 299
START	8:44	MEMORY CARD	14
STOP	9:14	BATTERY NO.	
		CONTROLLER NO.	
		SENSOR NO.	

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

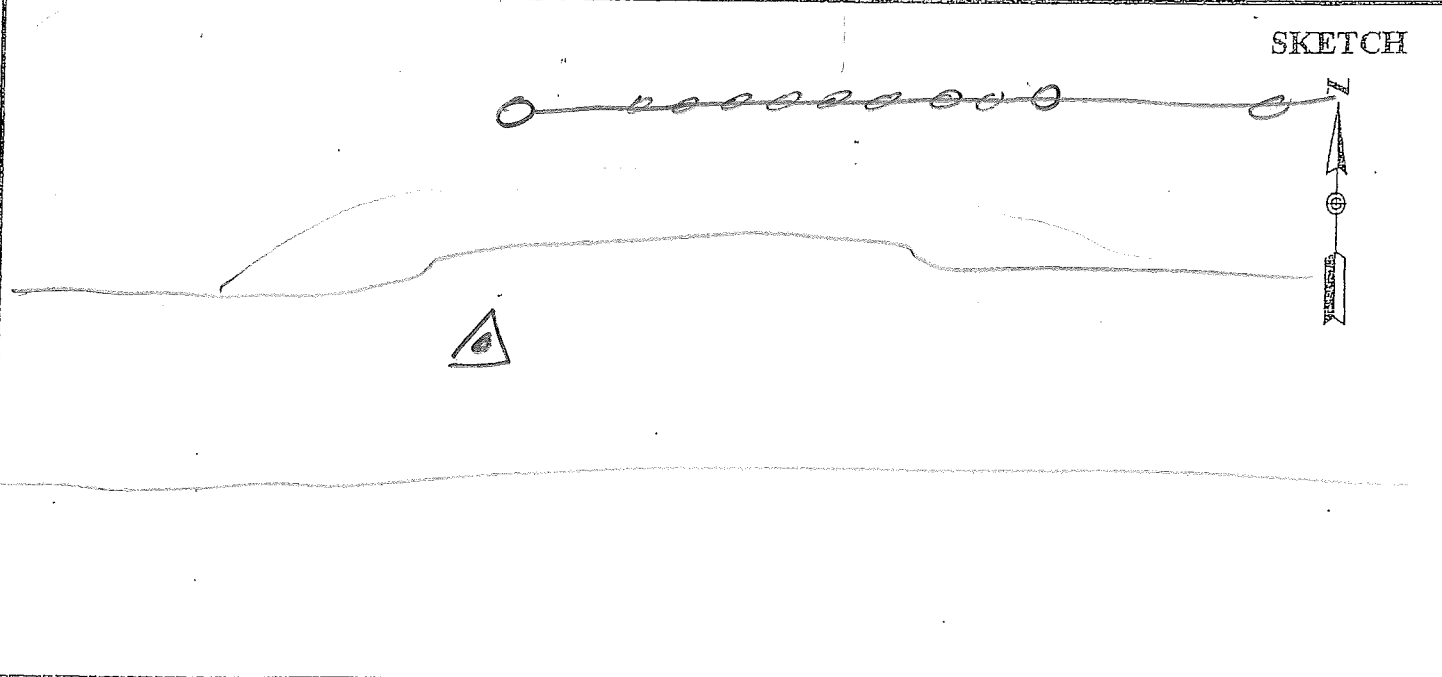
HEIGHT READINGS	MTS	FT
	1.229	

OBSTRUCTIONS: TREES SE,
 SW, NE, NW

STATION DESCRIPTIONS N'ly EDGE
 RD OPP W. END
 FENCE N.

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
2104	2.6	8/8-9
2114	2.8	8/8-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
 MC



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

URBAN

PROJECT	<u>111105</u>	SITE NUMBER	<u>4</u>
OPERATOR	<u>WJN</u>	SITE NAME	<u>1107</u>
DATE	<u>3/6/12</u>		

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE	<u>500</u>	9500	399	299
START	MEMORY CARD	_____			
STOP	BATTERY NO.	_____			
	CONTROLLER NO.	_____			
	SENSOR NO.	_____			

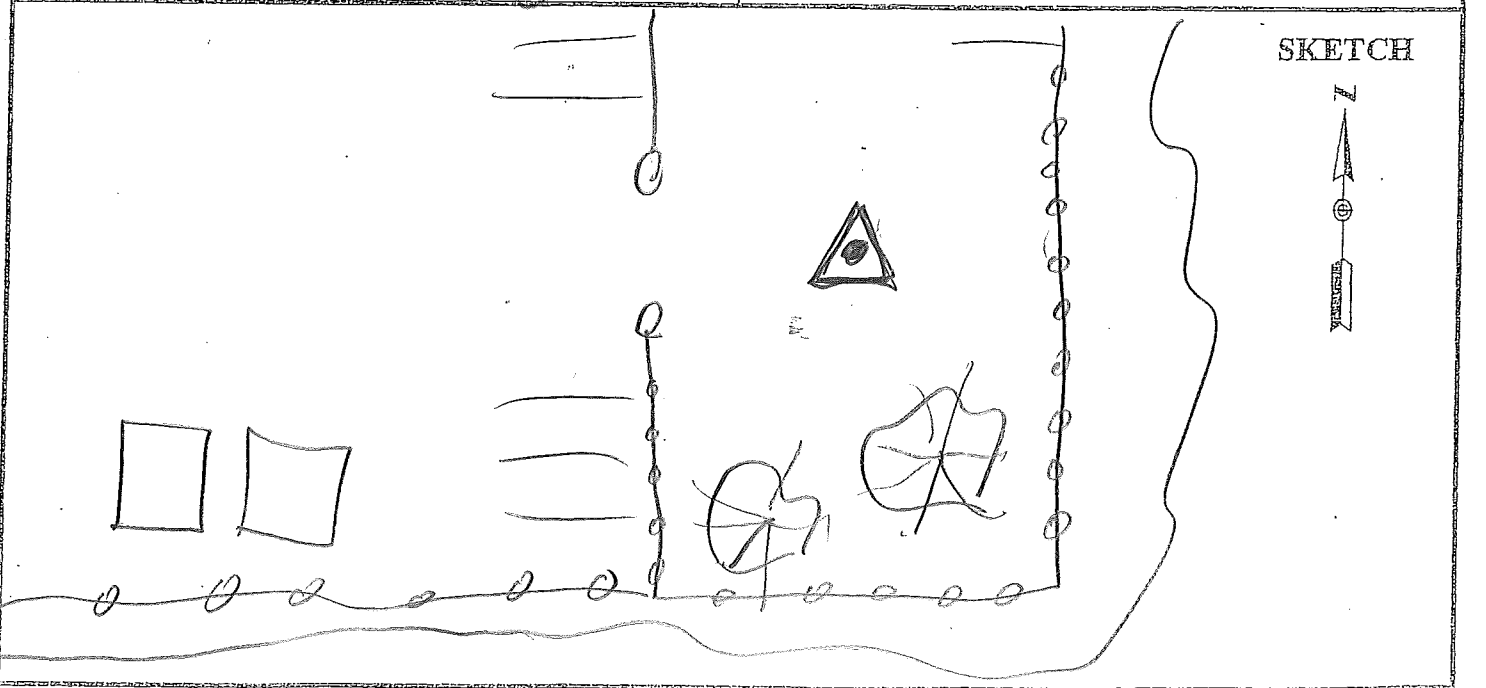
SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	<u>0.360</u>
HEIGHT READINGS	MTS	FT
	<u>1.260</u>	_____

OBSTRUCTIONS: TREES

STATION DESCRIPTIONS 4 PARKING LOT (THIN N-S LOT) @ G ENT TO ADJ. PARKING AREA

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
<u>00:22</u>	<u>2.7</u>	<u>9/9-9</u>
<u>00:55</u>	<u>2.8</u>	<u>8/8-8</u>

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

H+V
 URBAN

PROJECT	<u>111105</u>	SITE NUMBER	<u>9</u>
OPERATOR	<u>WIN</u>	SITE NAME	<u>1108</u>
DATE	<u>3/6/12</u>		

TRACKING TIMES (LOCAL) MEASURE <u>SMT+10</u>	SENSOR TYPE	<u>(500)</u> 9500 399 299
START <u>14:21</u>	MEMORY CARD	<u>14</u>
STOP <u>14:50</u>	BATTERY NO.	
	CONTROLLER NO.	
	SENSOR NO.	

SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	<u>0.360</u>

OBSTRUCTIONS: TREE ALL QUADRANTS

HEIGHT READINGS	MTS	FT
	<u>1.243</u>	

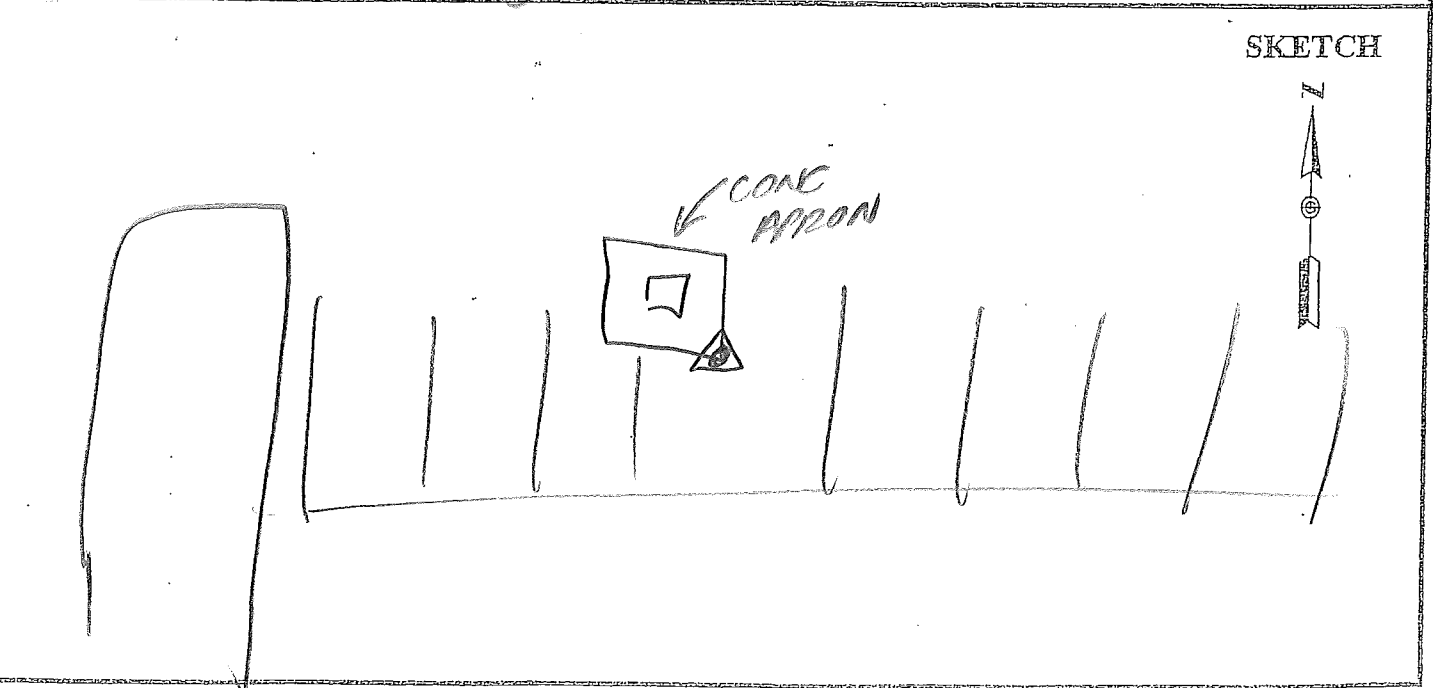
STATION DESCRIPTIONS SW COR CONC APRON FOR DRAIN IN PARKING LOT

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>4:21</u>	<u>2.4</u>	<u>8/8-8</u>
<u>4:50</u>	<u>2.8</u>	<u>8/8-8</u>

CAN BE ALSO USE AS ORTHO ✓



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

URBAN

PROJECT 111105
 OPERATOR WIN
 DATE 3/7/12

SITE NUMBER 2
 SITE NAME 1109

TRACKING TIMES (LOCAL) MEASURE GMT
 START 8:41
 STOP 9:18

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: TREES, TRAFFIC
BUILDINGS N. LIGHT
POST S.

HEIGHT READINGS MTS FT
1.280 _____

STATION DESCRIPTIONS E MANHOLE

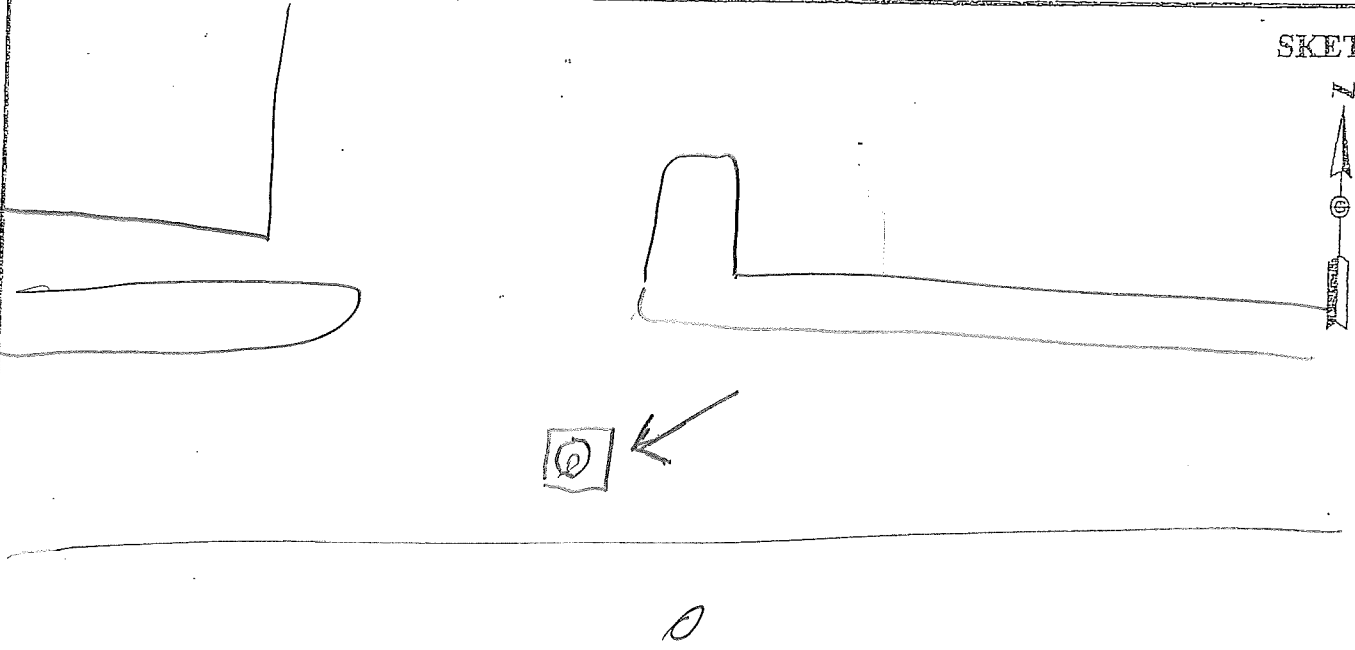
SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

Pc

TIME	GDOP	SATELLITES
2241	2.6	8/8-8
2318	2.1	10/10-10

SKETCH



AERO-METRIC, INC.
 4020 TECHNOLOGY PARKWAY
 SHEBOYGAN, WISCONSIN 53085

URBAN

PROJECT 111105
 OPERATOR WJN
 DATE 3/7/12

SITE NUMBER 6
 SITE NAME 1110

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 12:25
 STOP 13:10

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
1.296 _____

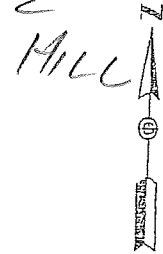
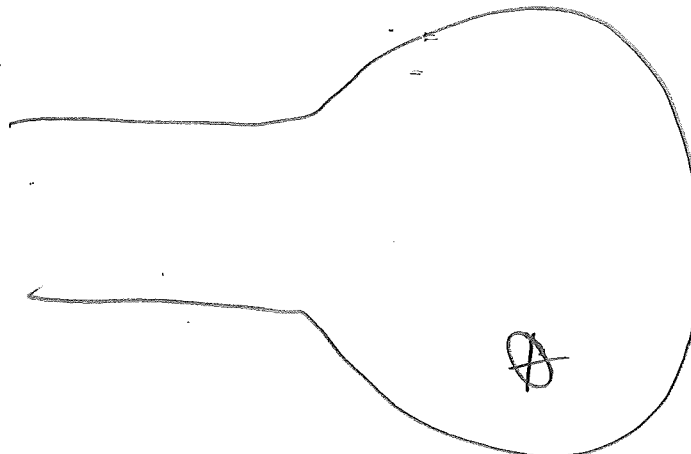
STATION DESCRIPTIONS ♀ MANHOLE
CENTER - SOUTH OF
CVL-DC-SAC

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>2:25</u>	<u>2.2</u>	<u>9/9-9</u>
<u>3:10</u>	<u>2.0</u>	<u>9/9-9</u>

TOWN OF NIMITZ SKETCH



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

URBAN

PROJECT	111105	SITE NUMBER	5
OPERATOR	WJN	SITE NAME	1111
DATE	3/8/12		

TRACKING TIMES (LOCAL) MEASURE	GMT +10	SENSOR TYPE	500 9500 399 299
START	12:44	MEMORY CARD	14
STOP	13:14	BATTERY NO.	
		CONTROLLER NO.	
		SENSOR NO.	

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

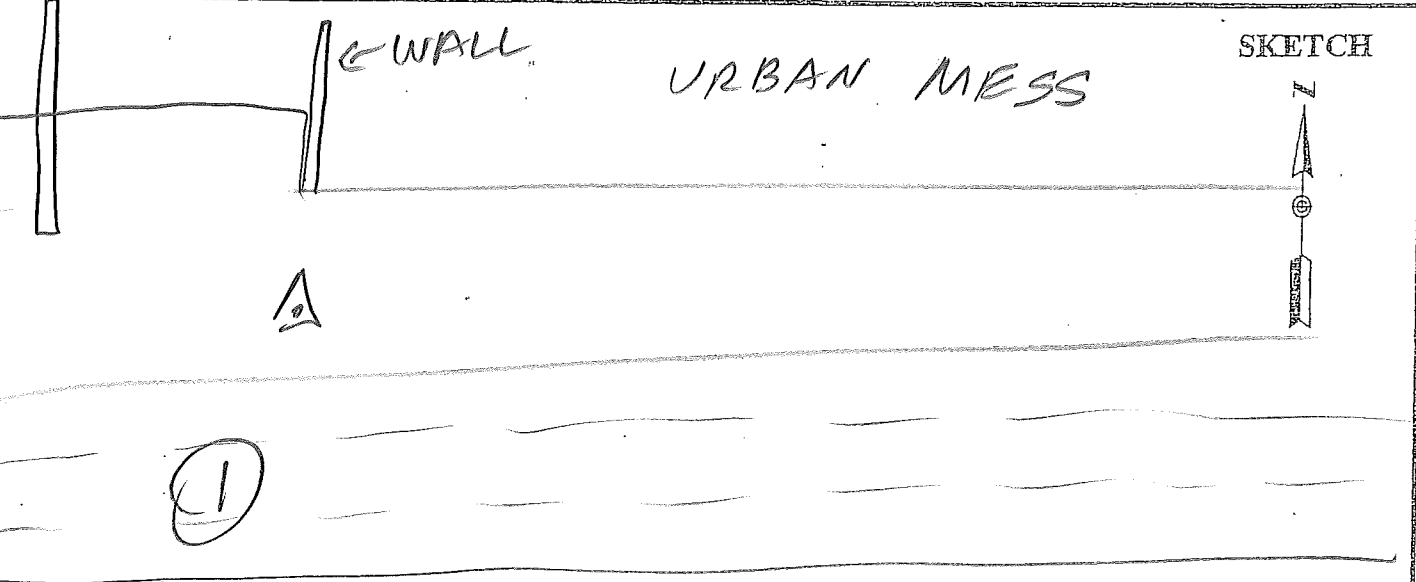
HEIGHT READINGS	MTS	FT
	1.245	

OBSTRUCTIONS: PPLS, BLDGS
 E-W-S.

STATION DESCRIPTIONS CENTER
 OK WIDE CONCRETE
 SHOULDER OPP WALL
 N.

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
2:44	1.9	11/11-11
3:14		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



City of ASHANA

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

short press

PROJECT 111105
OPERATOR MB
DATE 2.29.12

SITE NUMBER 4
SITE NAME 201

TRACKING TIMES (LOCAL) MEASURE
START 10:58 a.
STOP 11:28 a.

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

HEIGHT READINGS MTS FT
1.398 _____

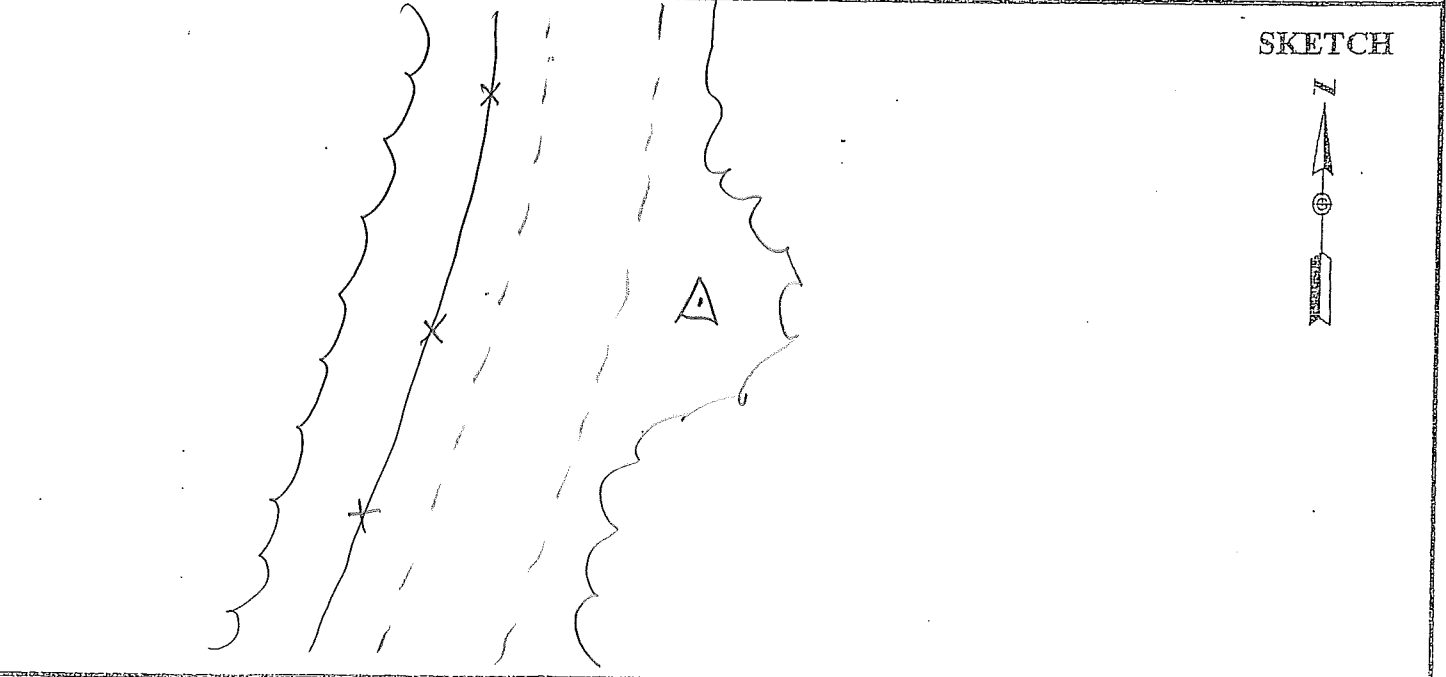
1758

OBSTRUCTIONS: trees E

STATION DESCRIPTIONS in clearing
E side road

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
1958	2.9	9/9
2028		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

short grass AT

PROJECT 111105
 OPERATOR NB
 DATE 2.29.12

SITE NUMBER 10
 SITE NAME 202

TRACKING TIMES (LOCAL) MEASURE
 START 2:51 p
 STOP 3:16 p

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

SENSOR CONSTANT 299/399 0.441
 399E/9500 0.389
 (500) (0.360)
 HEIGHT READINGS MTS FT
1.305 _____
 _____ 1.665

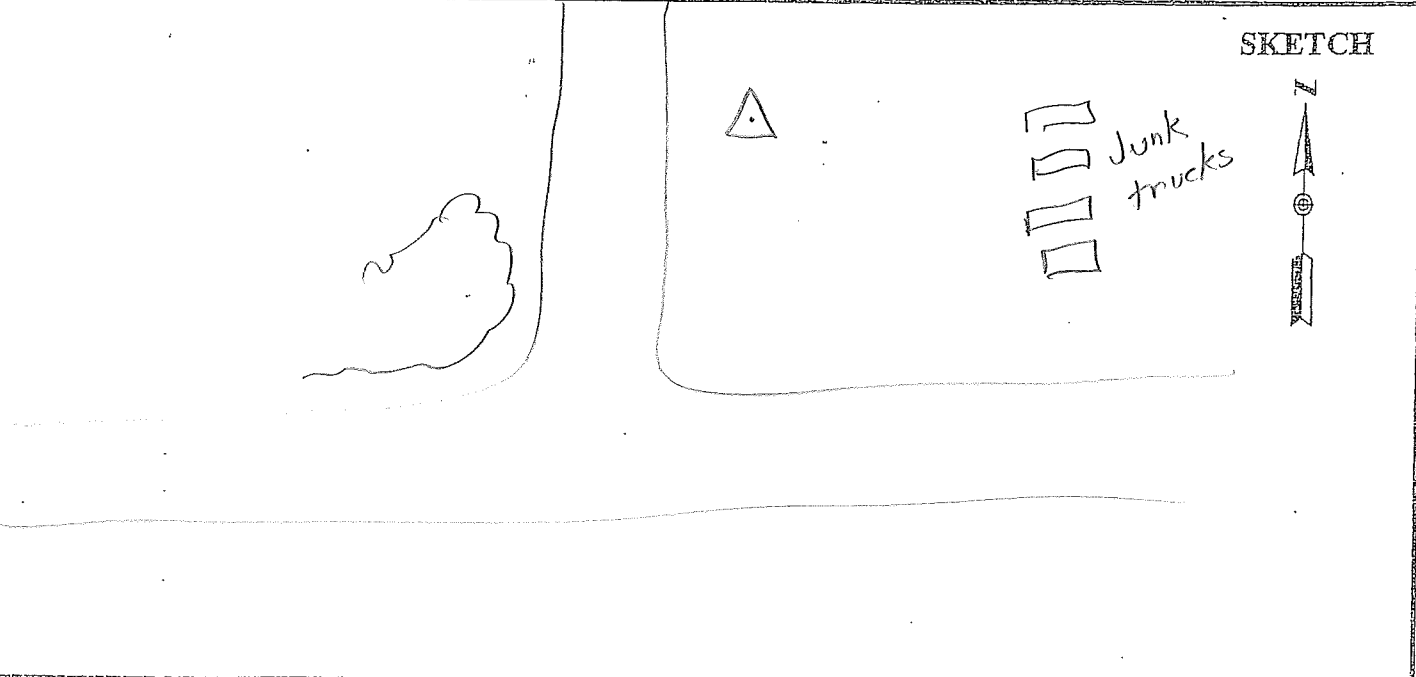
OBSTRUCTIONS: trees SW

 STATION DESCRIPTIONS E of road

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
2351	2.5	7/7
0006		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

short ✓PT

PROJECT 111105
 OPERATOR MB
 DATE 3.1.12

SITE NUMBER 7
 SITE NAME 203

TRACKING TIMES (LOCAL) MEASURE _____
 START 1:08 P
 STOP 1:38 P

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: none

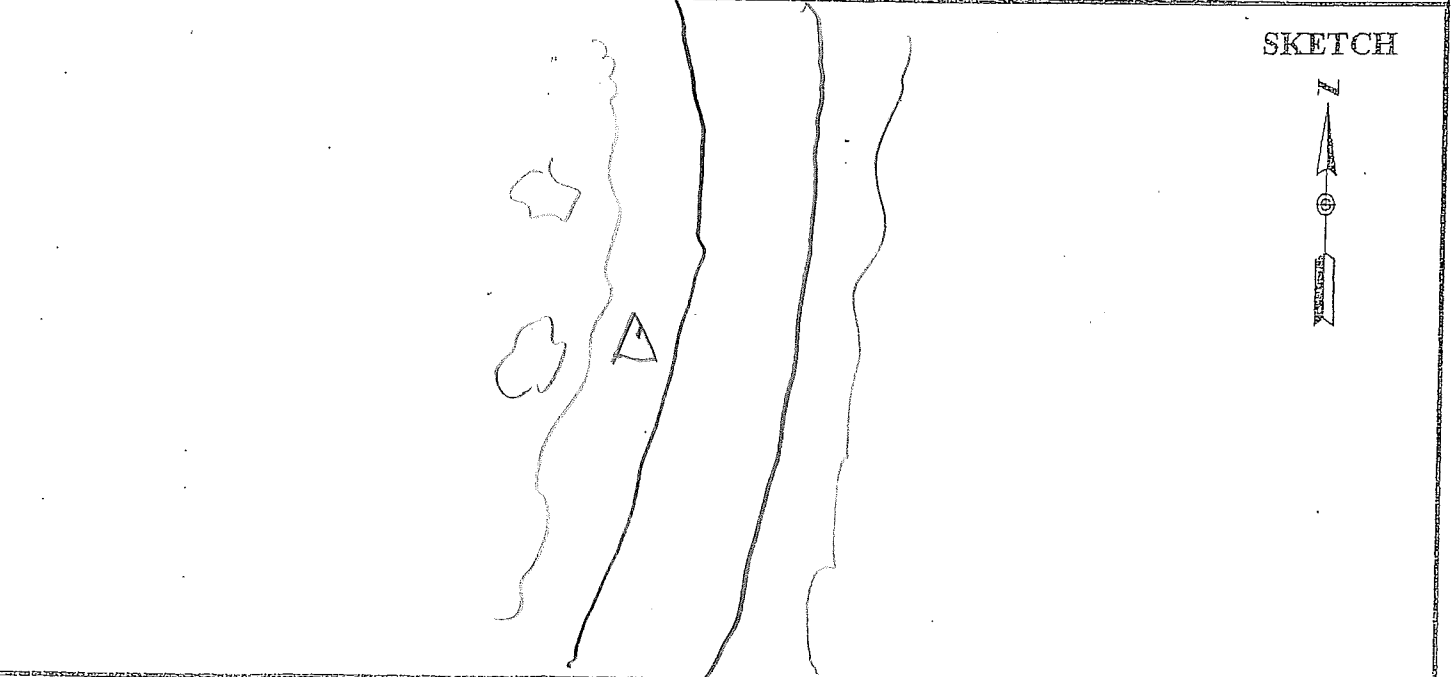
HEIGHT READINGS MTS FT
1.357 _____
 1717

STATION DESCRIPTIONS short grass W. of street

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
0308	1.9	10/10
0338		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

short PT

PROJECT <u>111105</u>	SITE NUMBER <u>1</u>
OPERATOR <u>NR</u>	SITE NAME <u>204</u>
DATE <u>3.2.12</u>	

TRACKING TIMES (LOCAL) MEASURE <input checked="" type="checkbox"/>	SENSOR TYPE <u>500</u> <u>9500</u> <u>399</u> <u>299</u>
START <u>7:51a</u>	MEMORY CARD <u>704</u>
STOP <u>8:31a</u>	BATTERY NO. <u>CB</u>
	CONTROLLER NO. _____
	SENSOR NO. _____

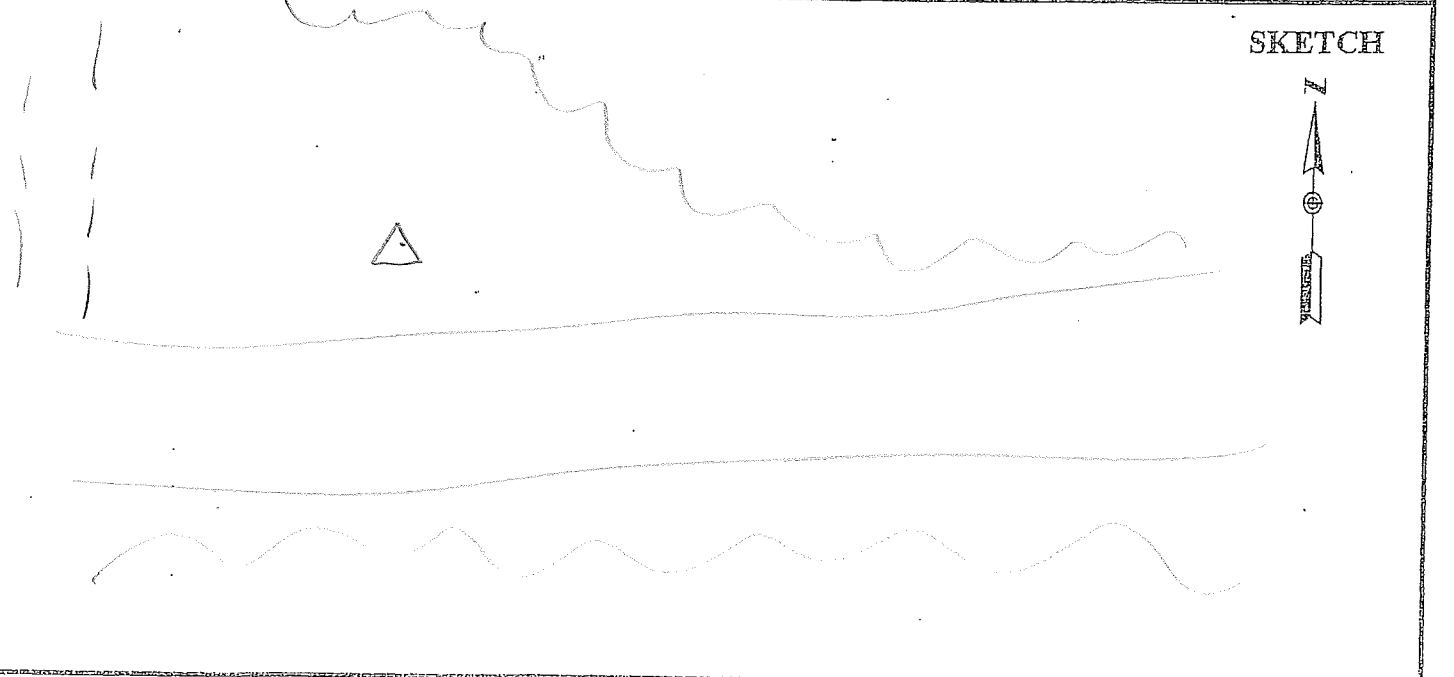
SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	0.360
HEIGHT READINGS	MTS	FT
	1.345	
		1705

OBSTRUCTIONS: trees N + S

STATION DESCRIPTIONS N. of road

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
2151	5.9	6/6
2231		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

short
 9/12/08 ✓PT

PROJECT 111105
 OPERATOR NB
 DATE 3.3.12

SITE NUMBER 7
 SITE NAME 205

TRACKING TIMES (LOCAL) MEASURE
 START 1:02 p
 STOP 1:47 p

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

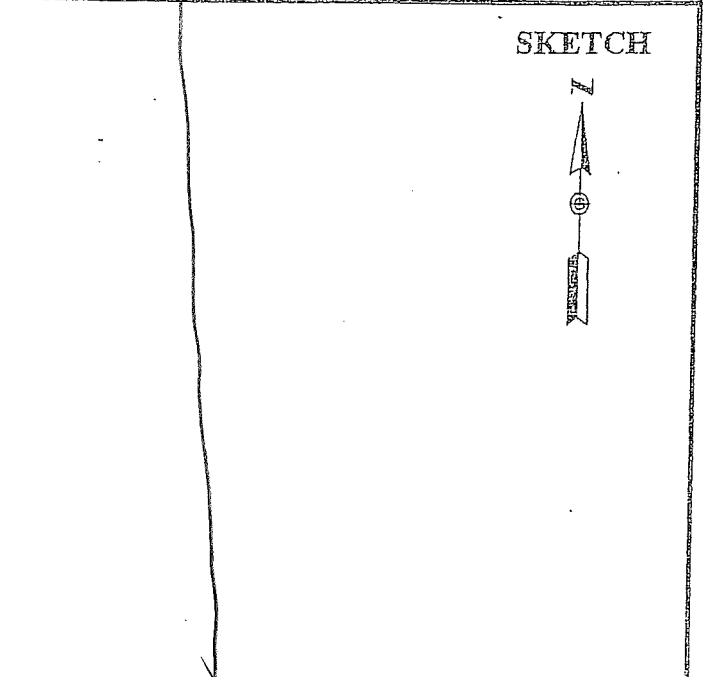
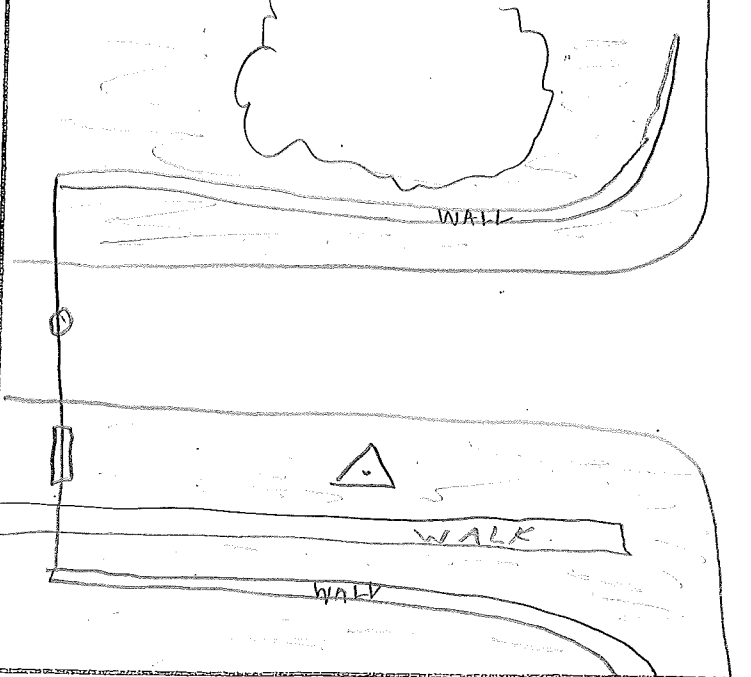
SENSOR CONSTANT 299/399 0.441
 399E/9500 0.389
 500 0.360
 HEIGHT READINGS MTS FT
1.363
 1723

OBSTRUCTIONS: tree + WT north
 STATION DESCRIPTIONS S. of road

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
0302	1.9	10/10
0347	1.6	11/11

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

short grass ✓/PT

PROJECT 111105
 OPERATOR MB
 DATE 3.4.12

SITE NUMBER 1
 SITE NAME 206

TRACKING TIMES (LOCAL) MEASURE
 START 7:01 a.
 STOP 7:54 a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

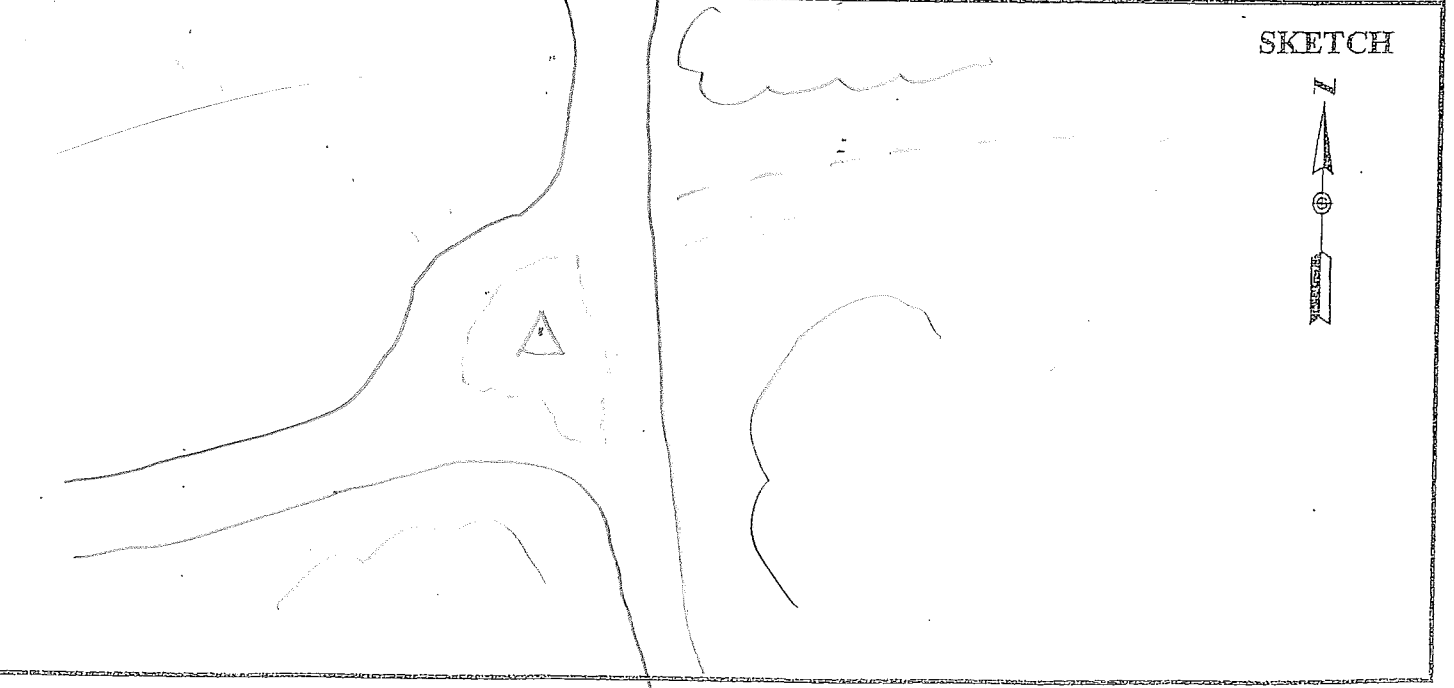
SENSOR CONSTANT 299/399 0.441
 399E/9500 0.389
500 0.360
 HEIGHT READINGS MTS FT
1.350 _____
 1.710

OBSTRUCTIONS: Trees E
 STATION DESCRIPTIONS short grass - middle of crossroads

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
2101	2.1	9/9
2154	2.5	7/8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

Base ^{short} grass PT

PROJECT 111105
 OPERATOR MB
 DATE 3.4.12

SITE NUMBER 6
 SITE NAME ~~206~~ 207

TRACKING TIMES (LOCAL) MEASURE
 START 1:00 p
 STOP 2:00 p

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: trees E

HEIGHT READINGS MTS FT
1.362 _____

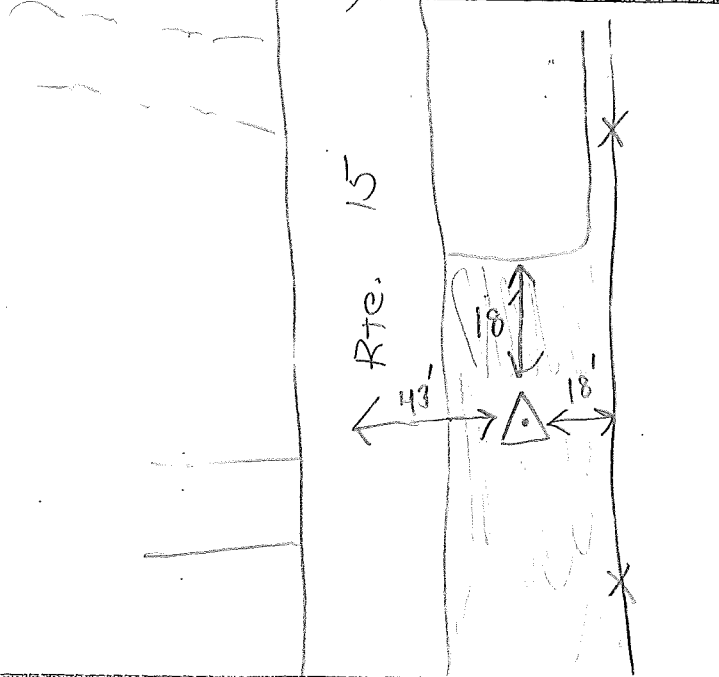
STATION DESCRIPTIONS set wall plug
in short grass under rock

1.722

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
 13 27 40.5
 144 50 00.2

TIME	GDOP	SATELLITES
0300	1.7	11/11
0400	2.4	9/9



"Rock Products"

SKETCH



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

short
9/19/85 ✓/PT

PROJECT 111105
OPERATOR MB
DATE 3.6.12

SITE NUMBER 1
SITE NAME 208

TRACKING TIMES (LOCAL) MEASURE
START 8:00 a
STOP 8:45 a

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

OBSTRUCTIONS: trees NE ↔ SE

HEIGHT READINGS MTS FT
1.370 _____

STATION DESCRIPTIONS E of road

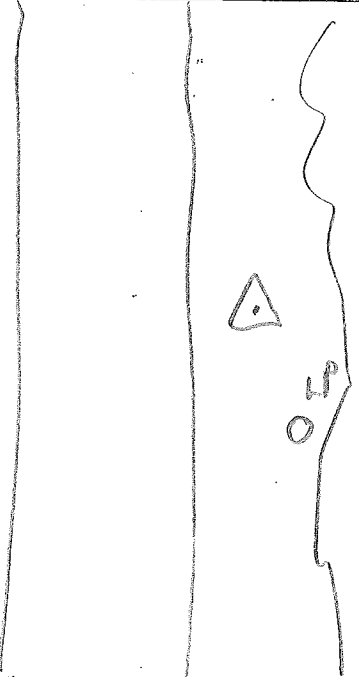
1.730

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
2200	3.0	7/7
2245	2.8	6/6

SKETCH



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

short grass VPT

PROJECT 111105
 OPERATOR NB
 DATE 3.6.12
 SITE NUMBER 8
 SITE NAME 209

TRACKING TIMES (LOCAL) MEASURE
 START 3:14 p
 STOP 3:59 p
 SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

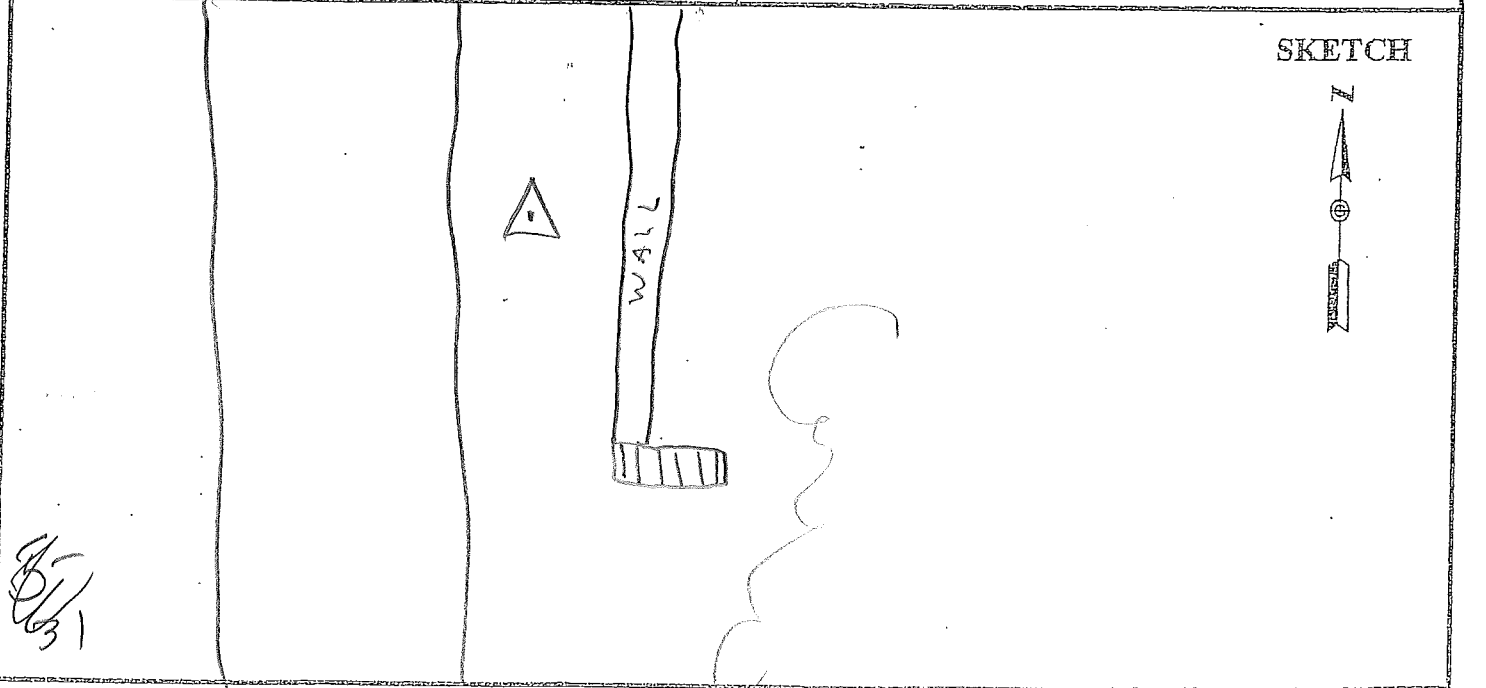
SENSOR CONSTANT 299/399 0.441
 399E/9500 0.389
500 0.360
 HEIGHT READINGS MTS FT
1.385 _____
 1745

OBSTRUCTIONS: wall east
 STATION DESCRIPTIONS E. of road

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
514	2.3	7/8
559		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



85
 209

~~24~~ ~~27~~ ~~9-10-11~~ ~~12-3-6-7-8-9-15-22-23~~ ~~13-14-18-21~~
 1-2-3-9-13-14-16-17-18-19-23

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

short
grass PT

PROJECT 111105
 OPERATOR MS
 DATE 3-7-12

SITE NUMBER 4
 SITE NAME 210

TRACKING TIMES (LOCAL) MEASURE
 START 10:25 a.
 STOP 11:10 a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: none

HEIGHT READINGS MTS FT
1.354

STATION DESCRIPTIONS E. of road

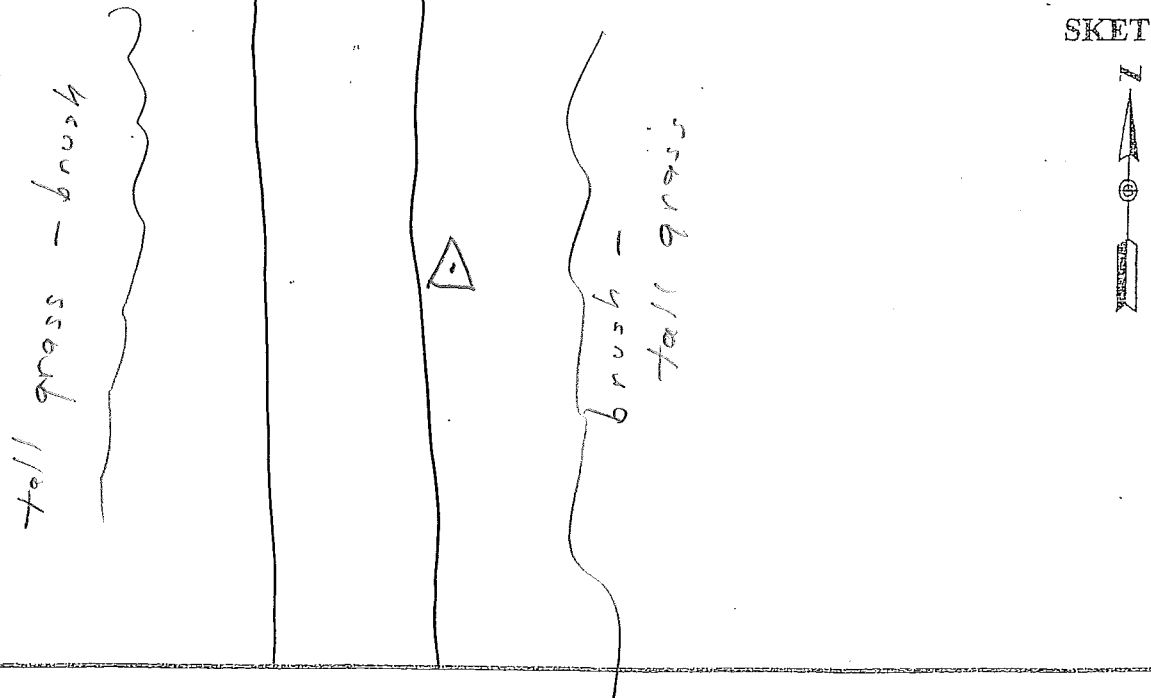
1714

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0025	4.5	7/7
0110		

SKETCH



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

SHORT G.
 BASE

PROJECT 11/1/05
 OPERATOR _____
 DATE 2/29/12

SITE NUMBER 1
 SITE NAME 1201

TRACKING TIMES (LOCAL) MEASURE UTM +16
 START 8:45
 STOP _____

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 603
 BATTERY NO. _____
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: POLE N, W
TREE E.

HEIGHT READINGS MTS FT
1.213 _____

STATION DESCRIPTIONS SET ALTI
ANCHOR (6" PLASTIC
SCREW) W / STEEL BOLT
IN SHORT GRASS

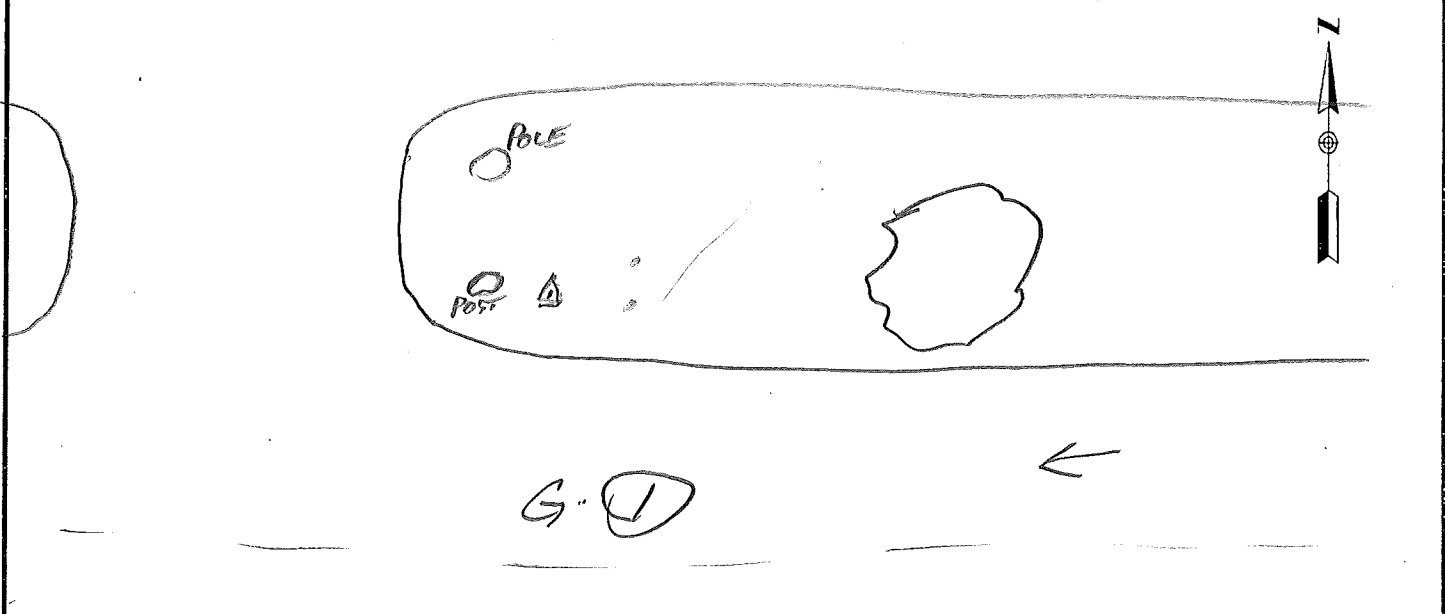
1.573

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
RAIN

TIME	GDOP	SATELLITES
<u>2:45</u>	<u>2.1</u>	<u>7/8-9</u>

SKETCH



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

BASE

PROJECT 111105
 OPERATOR WJN
 DATE 3/01/12

SITE NUMBER 1
 SITE NAME 1201

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 8:36 8:36
 STOP 16:24

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 603
 BATTERY NO. _____
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: PPLS

HEIGHT READINGS MTS FT
1.214 _____
1.574 _____

STATION DESCRIPTIONS HILTI
BOLT SET 2/29/12

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
PC

TIME	GDOP	SATELLITES
<u>2322</u>	<u>1.9</u>	<u>9/9-10</u>
<u>0:24</u>		

AS BEFORE DESCRIBED

SKETCH



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

BASE

PROJECT 111105
OPERATOR WJN
DATE 3/10/12
2

SITE NUMBER 1
SITE NAME 1201

TRACKING TIMES (LOCAL) MEASURE GNT+10
START 7:38
STOP 17:19

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

HEIGHT READINGS MTS FT
1.174 _____

STATION DESCRIPTIONS POINT
set 2/29/12

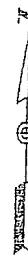
SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
21:38	2.4	9/8-9

AS BEFORE DESCRIBED

SKETCH



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

SHORT
GRASS

PROJECT 111105
 OPERATOR WIN
 DATE 3/01/12

SITE NUMBER 5
 SITE NAME 1202

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 12:36
 STOP 13:11

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: FPL NW

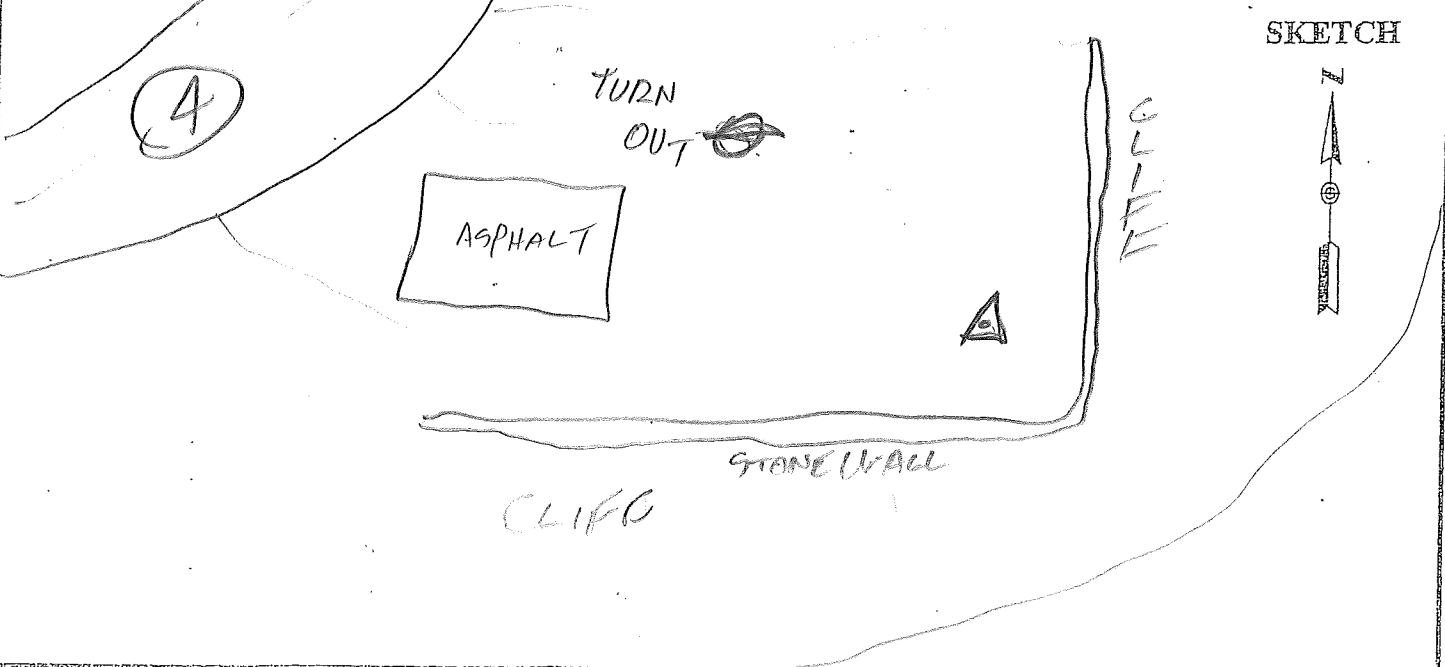
HEIGHT READINGS MTS FT
1.215 _____

STATION DESCRIPTIONS SOT HILT
ROCK ± 10' NW OF
SW COR STONE WALL
OVERLOOK
SHORT GRASS

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0236	2.4	9/9-9
0311	2.2	9/9-9



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

SHORT
GRASS

PROJECT	111105	SITE NUMBER	2
OPERATOR	WJW	SITE NAME	1203
DATE	3/01/12		

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE	500	9500	399	299
START	MEMORY CARD	14			
STOP	BATTERY NO.				
	CONTROLLER NO.				
	SENSOR NO.				

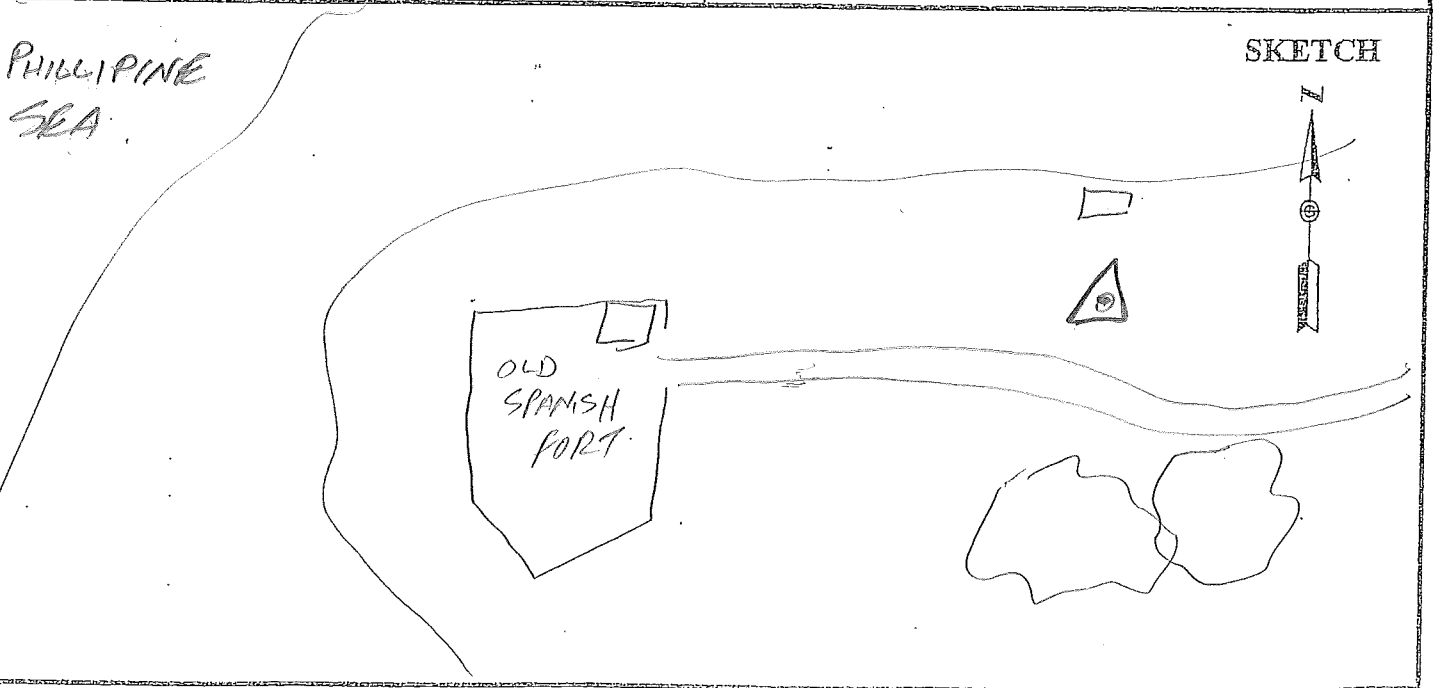
SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	0.360
HEIGHT READINGS	MTS	FT
	1.290	

OBSTRUCTIONS: TREES S.

STATION DESCRIPTIONS: POINT IN
 WIDEST GRASS AREA IN
 OLD SPANISH FORT PARK

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
23:49	2.3	8/8-9
00:40	5.0	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

PROJECT 111105
 OPERATOR WJN
 DATE 3/3/12
2

SITE NUMBER 1
 SITE NAME 1204

TRACKING TIMES (LOCAL) MEASURE CMZ 110
 START 7:16
 STOP 16:29

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

OBSTRUCTIONS: PPLS E-W

HEIGHT READINGS MTS FT
1.185 _____

STATION DESCRIPTIONS Set HILTY
BOLT w/ SCREW

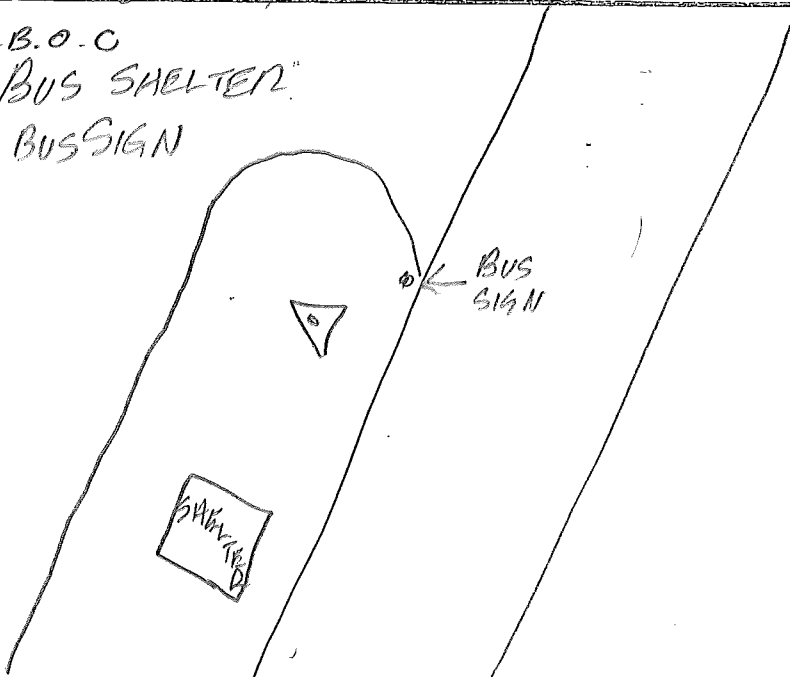
SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
2116	2.0	11/11-11
06:29	2.6	8/8-9

ML

13' W. OF T.B.O.C
 24' N. OF BUS SHELTER
 13' SW OF BUSSIGN



SKETCH



top of 103 to 516

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

SKOIST GR.

BASE

PROJECT 111105
 OPERATOR WJN
 DATE 3/3/12

SITE NUMBER 1
 SITE NAME 1204

TRACKING TIMES (LOCAL) MEASURE GMT +10
 START 7:43
 STOP 9:43

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: PPL &

HEIGHT READINGS MTS FT
1.041 _____

STATION DESCRIPTIONS WALL
HILTI PLUG AND SCREW
Set 3/2/12

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC

TIME	GDOP	SATELLITES
<u>2143</u>	<u>2.8</u>	<u>918-8</u>
<u>2243</u>	<u>2.4</u>	<u>919-9</u>

AS BEFORE DESCRIBED

SKETCH



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

BASE

PROJECT	<u>111105</u>	SITE NUMBER	<u>✓</u>
OPERATOR	<u>W.J.N</u>	SITE NAME	<u>1204</u>
DATE	<u>3/4/12</u>		

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE	<u>(500)</u>	9500	399	299
START	MEMORY CARD	_____			
STOP	BATTERY NO.	_____			
	CONTROLLER NO.	_____			
	SENSOR NO.	_____			

SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	<u>0.360</u>
HEIGHT READINGS	MTS	FT
	<u>1.139</u>	_____

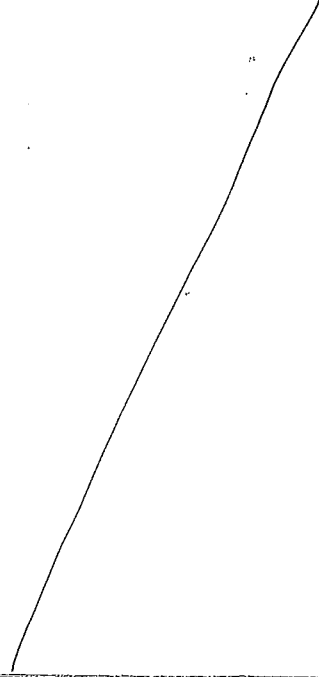
OBSTRUCTIONS: TREES S, E, W
PPLS N.

STATION DESCRIPTIONS P

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
<u>21:09</u>	<u>2.7</u>	<u>9/9-9</u>
<u>5:52</u>	<u>2.8</u>	<u>8/8-8</u>

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
RAIN THRU-OUT DAY

AS BEFORE DESCRIBED SKETCH



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

Sweet

PROJECT 111105
 OPERATOR WIN
 DATE 3/3/12

SITE NUMBER 7 Sweet Grass
 SITE NAME 1205

TRACKING TIMES (LOCAL) MEASURE GUT +10
 START 14:09
 STOP _____

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

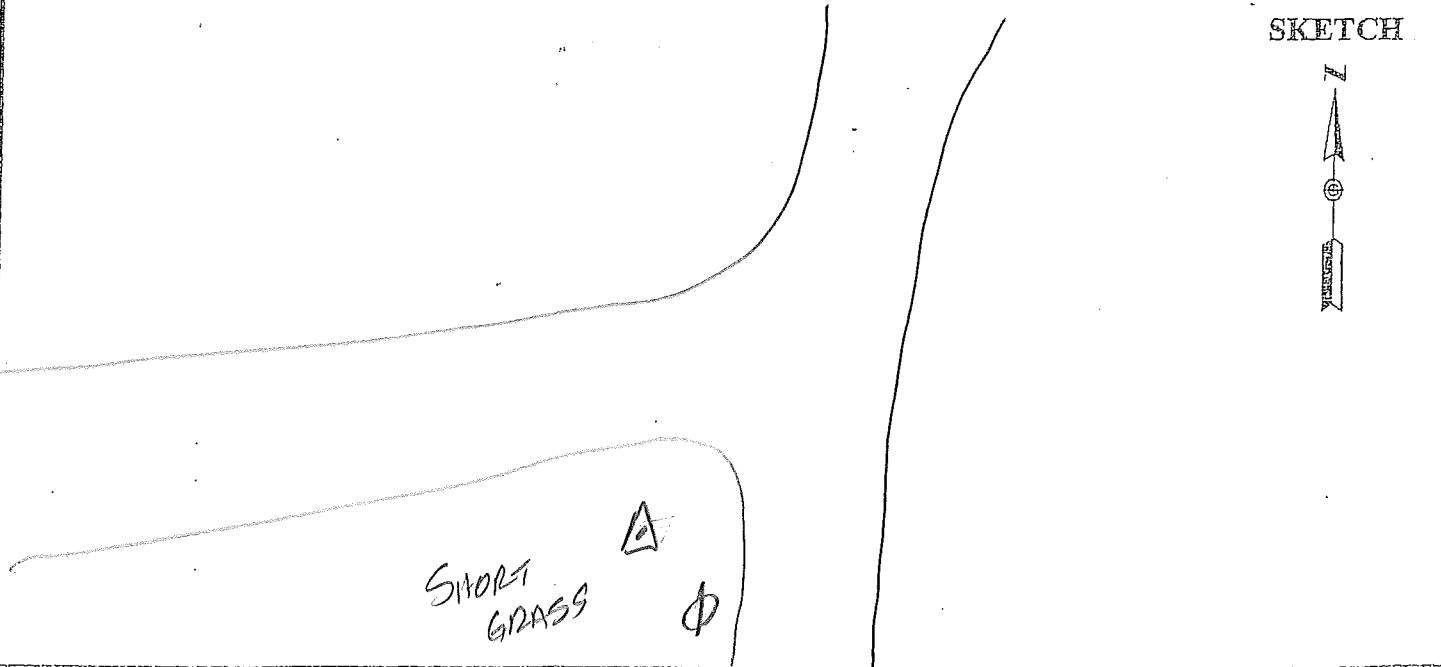
OBSTRUCTIONS: TREES

HEIGHT READINGS MTS FT
1.189 _____

STATION DESCRIPTIONS POINT IN
SHORT GRASS

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
<u>4:09</u>	<u>2.9</u>	<u>8/8-8</u>

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

SHORT GRASS

PROJECT 111105
 OPERATOR WJN
 DATE 3/4/12

SITE NUMBER 4
 SITE NAME 1206

TRACKING TIMES (LOCAL) MEASURE GMT +70
 START 10:21
 STOP 11:04

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

OBSTRUCTIONS: TREES ALL QUADRANTS

HEIGHT READINGS MTS FT
 1.228 _____

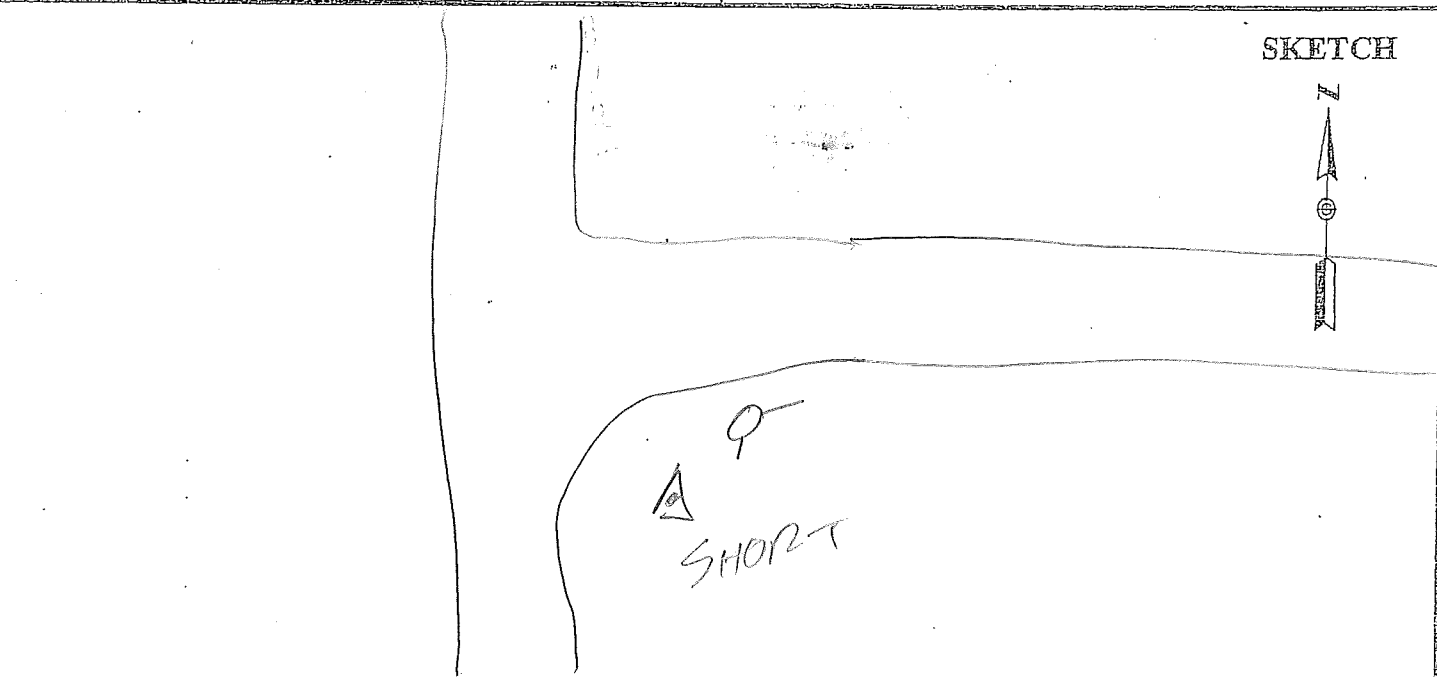
STATION DESCRIPTIONS POINT IN SHORT GRASS

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>0021</u>	<u>3.2</u>	<u>8/8-9</u>
<u>0104</u>	<u>2.8</u>	<u>8/8-9</u>

MC



2004 107000 517

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

PROJECT <u>111105</u>	SITE NUMBER <u>8</u>
OPERATOR <u>WJN</u>	SITE NAME <u>1207</u>
DATE <u>3/5/12</u>	

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE <u>500</u> 9500 399 299
START <u>15:26</u>	MEMORY CARD <u>14</u>
STOP <u>16:13</u>	BATTERY NO. _____
	CONTROLLER NO. _____
	SENSOR NO. _____

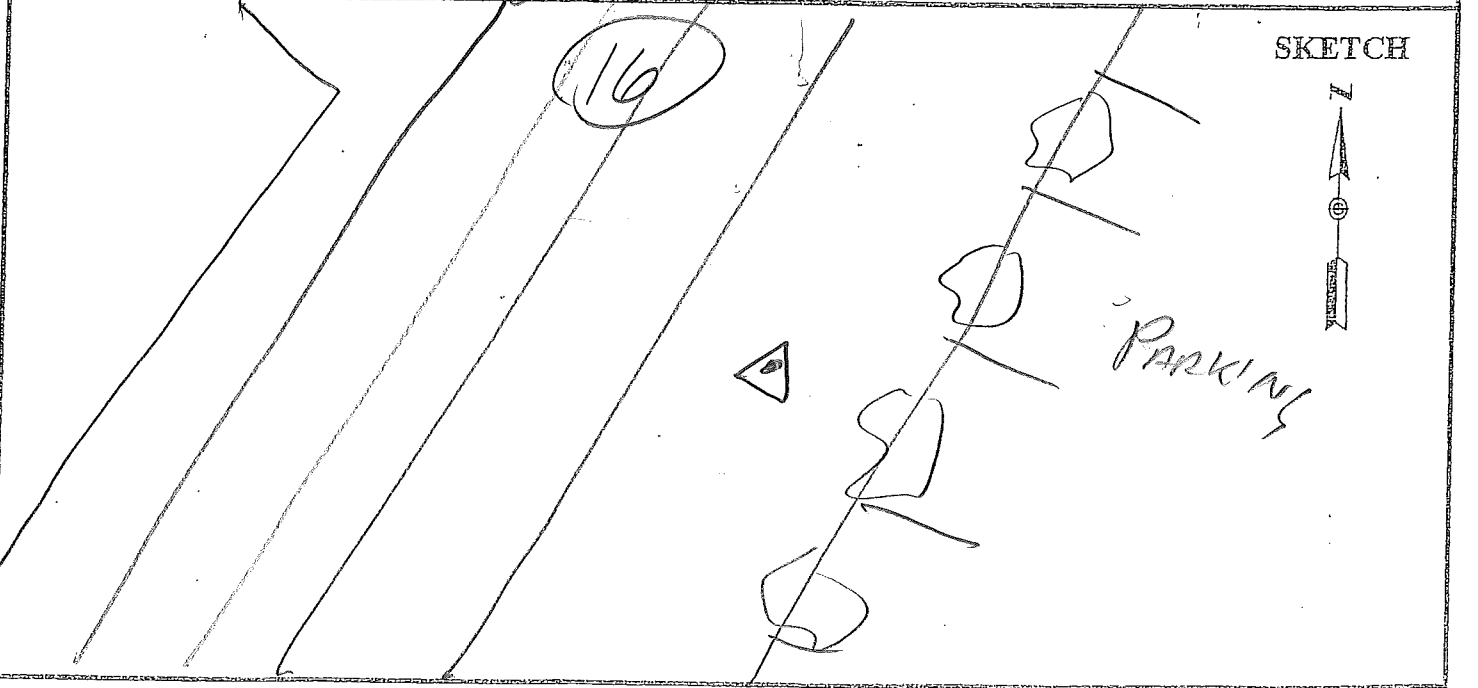
SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	<u>0.360</u>
HEIGHT READINGS	MTS	FT
	<u>1.222</u>	_____

OBSTRUCTIONS: PPL3 N-S
BLOGS E.

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

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
5:26	2.8	818-8
6:11	2.6	818-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

SHORT
GRASS

PROJECT 111105
 OPERATOR WJN
 DATE 3/6/12

SITE NUMBER 1
 SITE NAME 1208

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 7:32
 STOP _____

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 603
 BATTERY NO. _____
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: NO

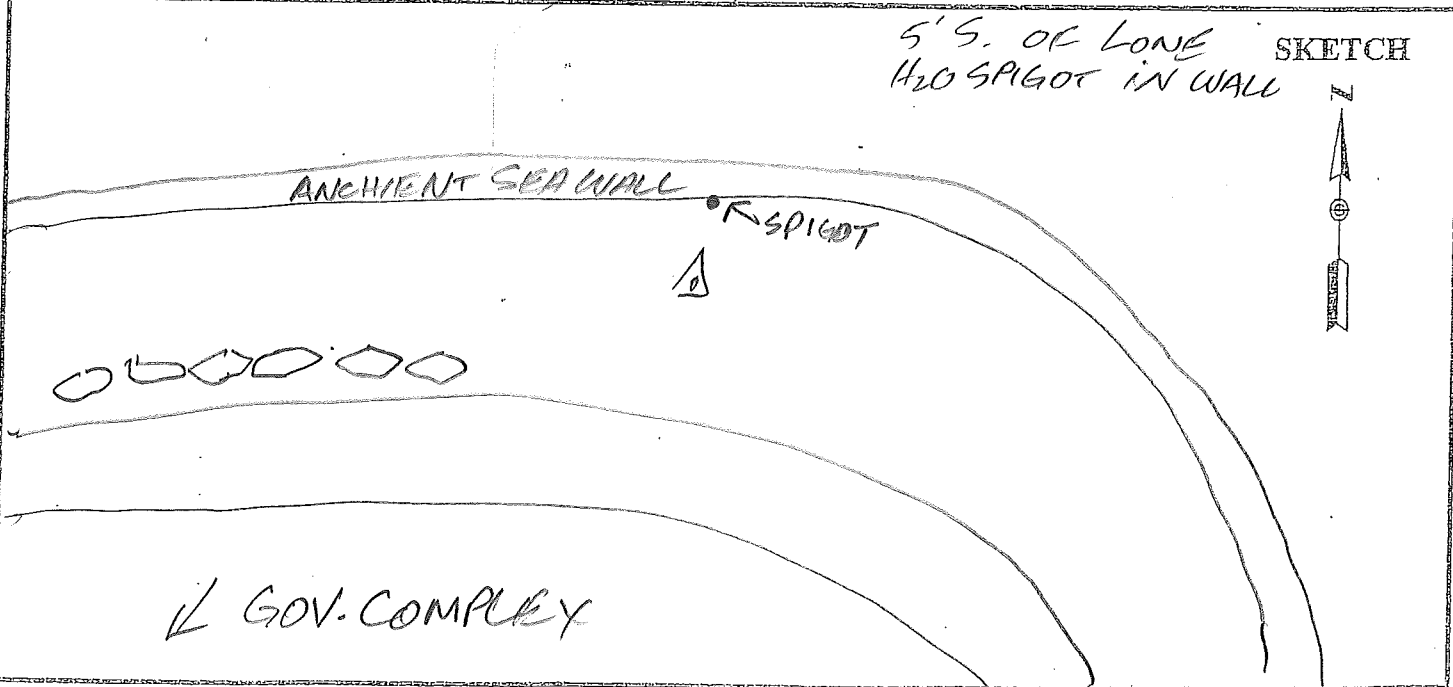
HEIGHT READINGS MTS FT
1.216 _____

STATION DESCRIPTIONS 50' WALL
PLUG AND SCREEN INTO
FORTRESS STRIP OF
GRASS @ THE GUAM
GOVERNOR COMPLEX

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
21:32	2.4	9/9-9



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

BASE

PROJECT 111105
OPERATOR W. W.
DATE 3/7/12

SITE NUMBER 1
SITE NAME 1208

TRACKING TIMES (LOCAL) MEASURE GMT+10
START 7.25
STOP _____

SENSOR TYPE 500 9500 399 299
MEMORY CARD 603
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
1.162 _____

STATION DESCRIPTIONS WALL PLUG
AND SCREW SET

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

PC

TIME	GDOP	SATELLITES
<u>2125</u>	<u>2.5</u>	<u>9/9-9</u>

AS BEFORE DESCRIBED

SKETCH



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

BASE

PROJECT 141105
OPERATOR WJN
DATE 3/8/12

SITE NUMBER 1
SITE NAME 1208

TRACKING TIMES (LOCAL) MEASURE GMT+10
START 7:39
STOP 14:44

SENSOR TYPE 500 9300 399 299
MEMORY CARD 1
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

STATION DESCRIPTIONS WALL
PLUG AND SCREW SET
PREVIOUSLY

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>21:39</u>	<u>2.2</u>	<u>9/9-9</u>
<u>4:44</u>	<u>2.8</u>	<u>9/8-9</u>

RAIN

As Before Described

SKETCH



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

SMART
GRASS

PROJECT	<u>111105</u>	SITE NUMBER	<u>7</u>
OPERATOR	<u>WJN</u>	SITE NAME	<u>1709</u>
DATE	<u>3/6/12</u>		

TRACKING TIMES (LOCAL) MEASURE <u>GMT+11</u>	SENSOR TYPE	<u>(500)</u>	9500	399	299
START	MEMORY CARD	<u>14</u>			
STOP	BATTERY NO.				
	CONTROLLER NO.				
	SENSOR NO.				

SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	<u>0.360</u>

OBSTRUCTIONS: No

HEIGHT READINGS	MTS	FT
	<u>1.170</u>	

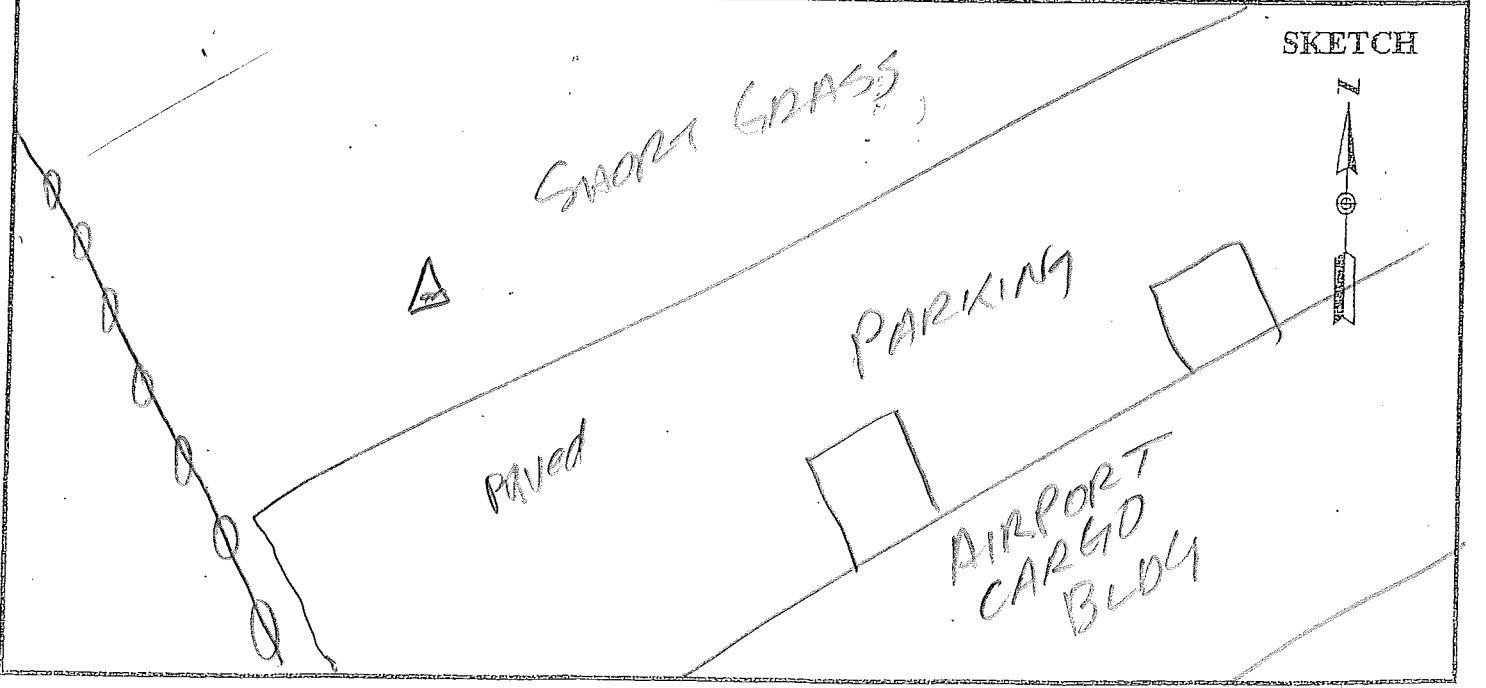
STATION DESCRIPTIONS POINT IN
±15' NW OF PAVEMENT
±30' NE OF NW COR
PARKING AREA.

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>2:54</u>	<u>2.0</u>	<u>9/9-9</u>
<u>3:24</u>	<u>1.8</u>	<u>11/11-11</u>

MC



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

SHORT
GRASS

PROJECT 111105
 OPERATOR WJW
 DATE 3/7/12

SITE NUMBER 5
 SITE NAME 1210

TRACKING TIMES (LOCAL) MEASURE SMT+11
 START 11:09
 STOP _____

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: PPLS N-S

HEIGHT READINGS MTS FT
1.246 _____

STATION DESCRIPTIONS POINT IN
SHORT GRASS OPP
N EDGE FENCE E AND
PPLS N-S

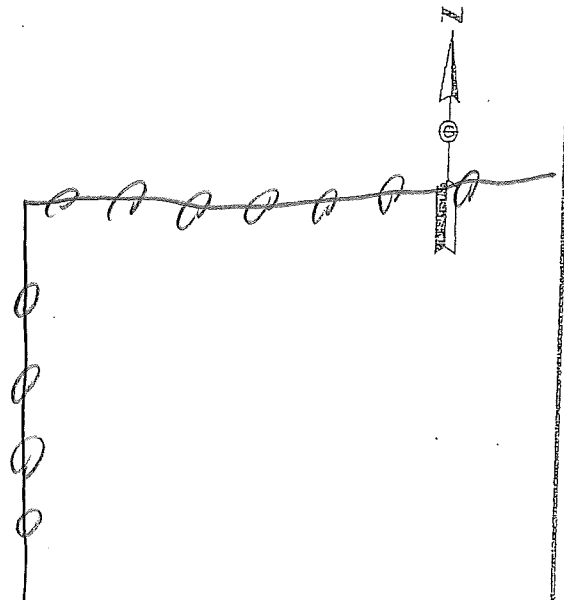
SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
	<u>2.0</u>	<u>9/9-9</u>

SHORT GRASS
 FIELD

SKETCH



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

SHORT
GRASS

PROJECT 111105
 OPERATOR WIN
 DATE 3/8/12

SITE NUMBER 6
 SITE NAME 1211

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 343
 STOP _____

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

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

OBSTRUCTIONS: TREES S
PPL W.

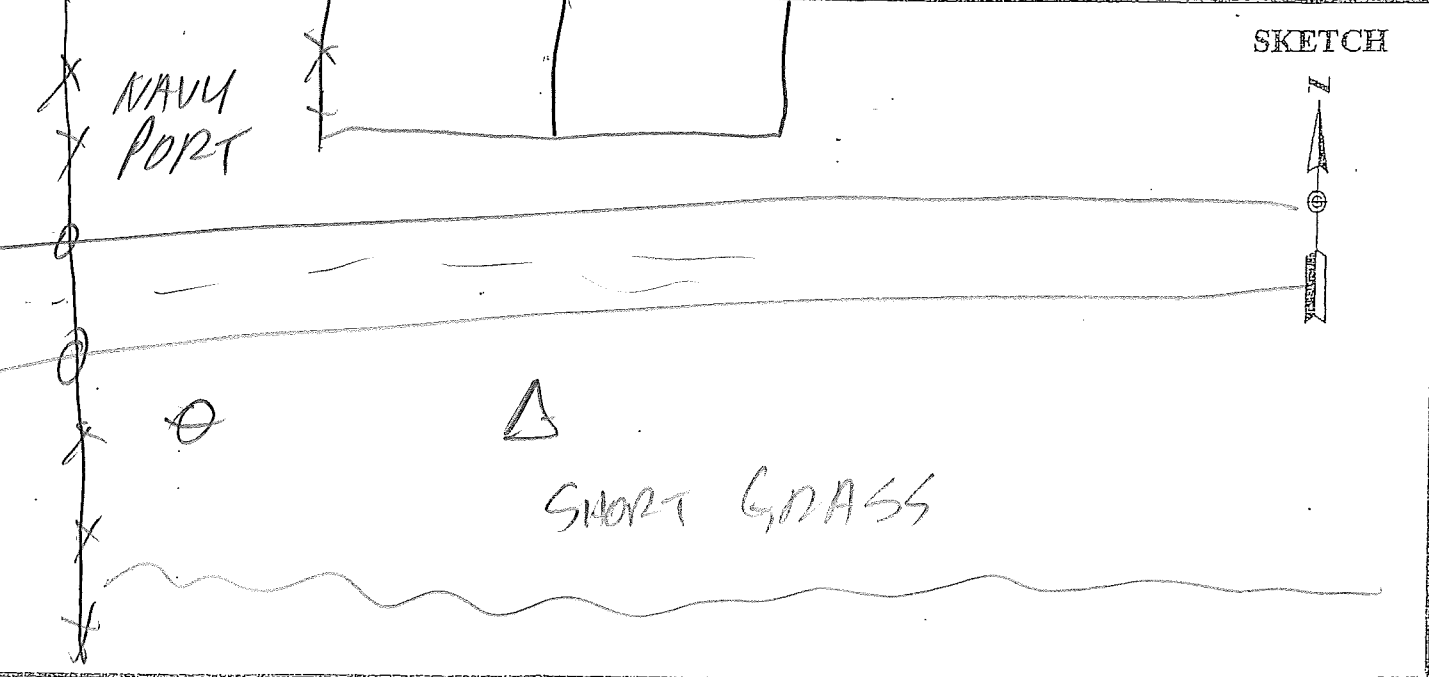
HEIGHT READINGS MTS FT
1.192 _____

STATION DESCRIPTIONS POINT
IN SHORT GRASS

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

tall
gross ✓

PROJECT 111105
 OPERATOR MB
 DATE 2.29.12

SITE NUMBER 6
 SITE NAME 301

TRACKING TIMES (LOCAL) MEASURE
 START 12:25 p
 STOP 12:53 p

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

HEIGHT READINGS MTS FT
1.430 _____
 1.790

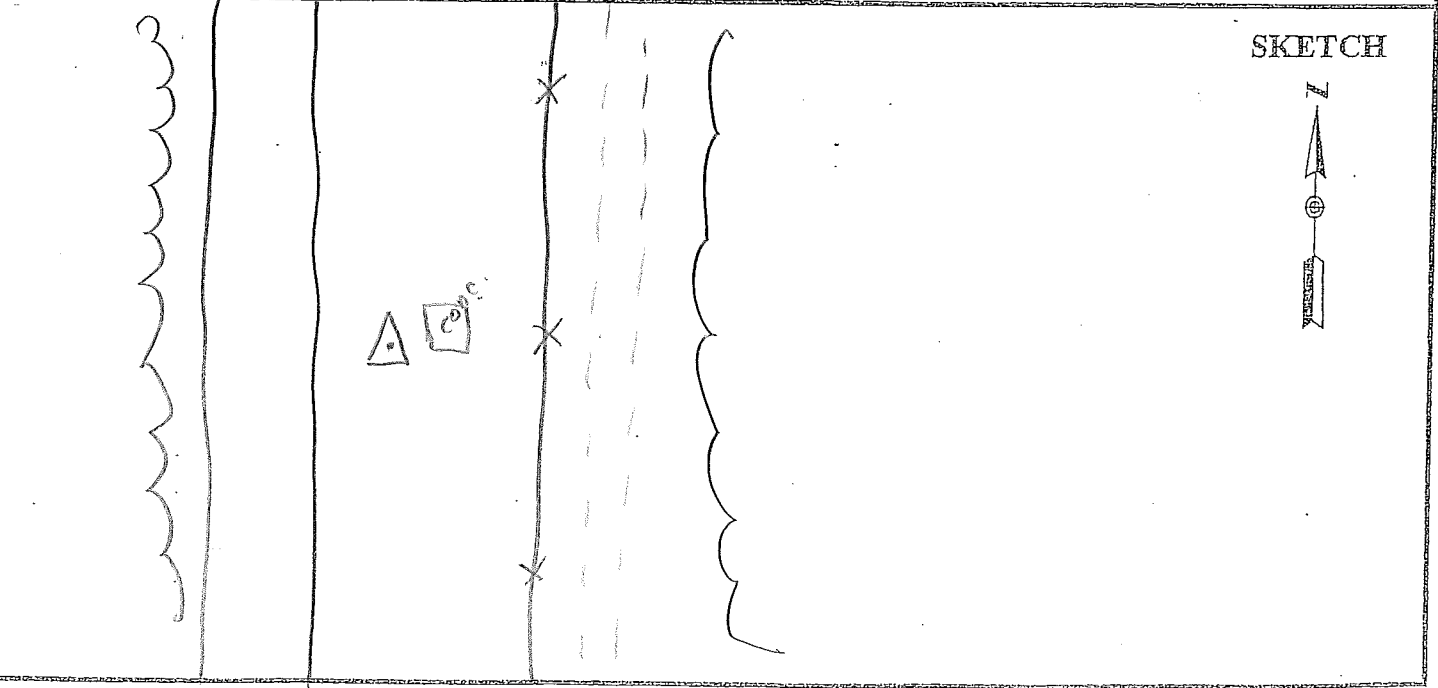
OBSTRUCTIONS: trees W.

 STATION DESCRIPTIONS E. of road

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
2125	1.9	9/9
2153		



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

tall grass ✓PT

PROJECT 111105
 OPERATOR MB
 DATE 3.1.12

SITE NUMBER 3
 SITE NAME 302

TRACKING TIMES (LOCAL) MEASURE ✓
 START 10:21 a.
 STOP 10:51 a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: trees NW ↔ NE

HEIGHT READINGS MTS FT
1.348 _____

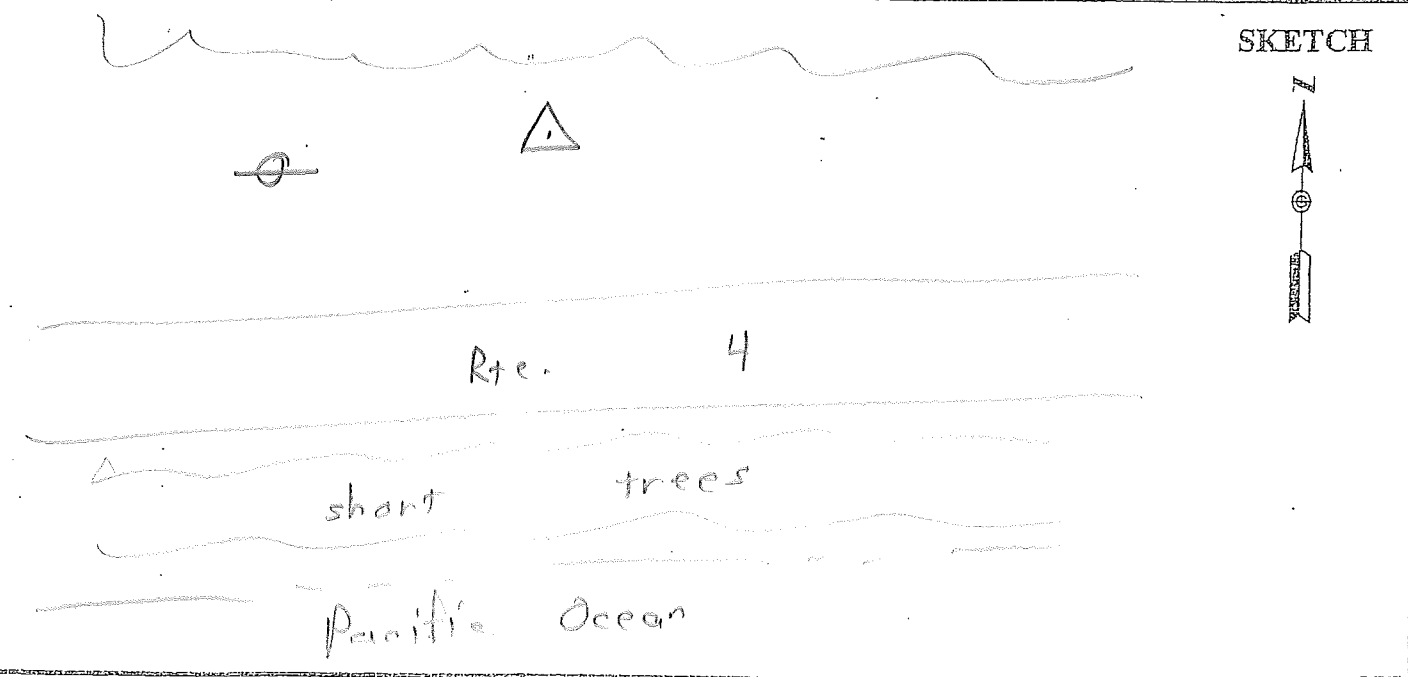
STATION DESCRIPTIONS tall grass N. side road

1.708

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0021	3.0	8/8
0051		



Not processed.

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

tall \sqrt{PT}

PROJECT <u>111105</u>	SITE NUMBER <u>4</u>
OPERATOR <u>MB</u>	SITE NAME <u>303</u>
DATE <u>3.2.12</u>	

TRACKING TIMES (LOCAL) MEASURE _____	SENSOR TYPE <u>500</u> <u>9500</u> <u>399</u> <u>299</u>
START <u>10:58</u>	MEMORY CARD <u>704</u>
STOP <u>11:43</u>	BATTERY NO. <u>EB</u>
	CONTROLLER NO. _____
	SENSOR NO. _____

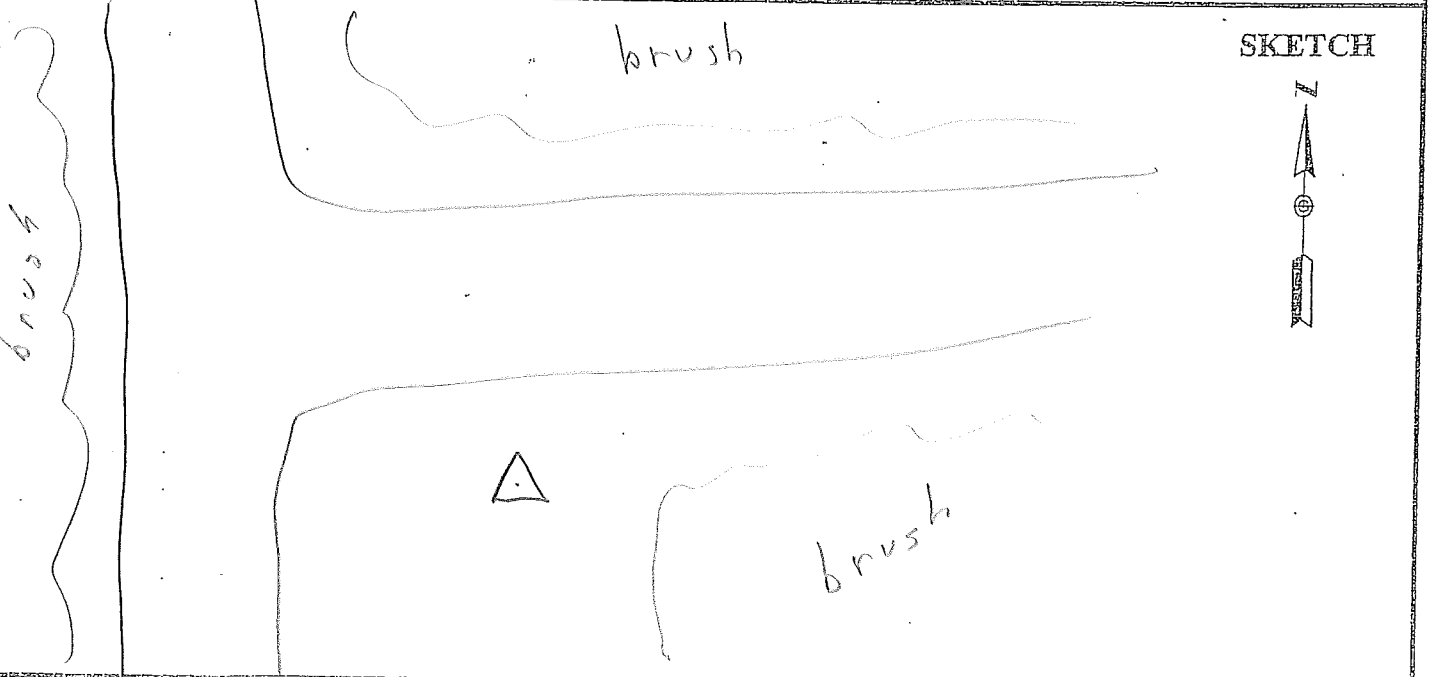
SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	0.360
HEIGHT READINGS	MTS	FT
	1.402	
		1.762

OBSTRUCTIONS: none

STATION DESCRIPTIONS S. of road -
tall grass

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
0058	4.1	8/8
0143		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

tbl
9/19/88 ✓/PT

PROJECT <u>111105</u>	SITE NUMBER <u>3</u>
OPERATOR <u>NO</u>	SITE NAME <u>304</u>
DATE <u>3.3.12</u>	

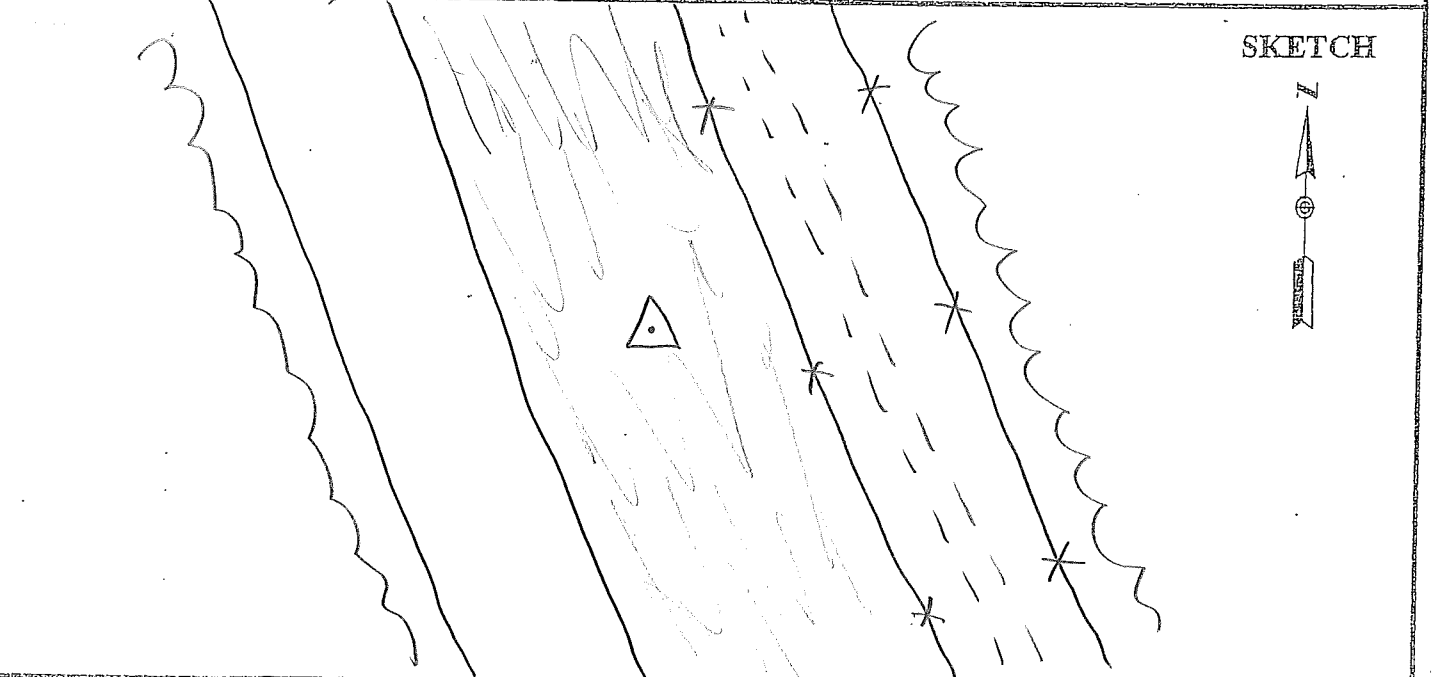
TRACKING TIMES (LOCAL) MEASURE _____	SENSOR TYPE 500 9500 399 299
START <u>9:26 a.</u>	MEMORY CARD <u>704</u>
STOP <u>10:11 a.</u>	BATTERY NO. <u>CB</u>
	CONTROLLER NO. _____
	SENSOR NO. _____

SENSOR CONSTANT	299/399 0.441	
	399E/9500 0.389	
	500 0.360	
HEIGHT READINGS	MTS	FT
	<u>1.418</u>	
		<u>1.778</u>

OBSTRUCTIONS: <u>none</u>
STATION DESCRIPTIONS <u>in high grass</u>
<u>E. of road</u>

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
2326	2.0	9/9
0011	2.8	9/9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

tall grass ✓
VPT

PROJECT 111105
OPERATOR MB
DATE 3.3.12

SITE NUMBER 4
SITE NAME 305

TRACKING TIMES (LOCAL) MEASURE
START 10:25 a.
STOP 11:10 a.

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

OBSTRUCTIONS: none

HEIGHT READINGS MTS FT
1.383 _____

STATION DESCRIPTIONS tall grass E. at road

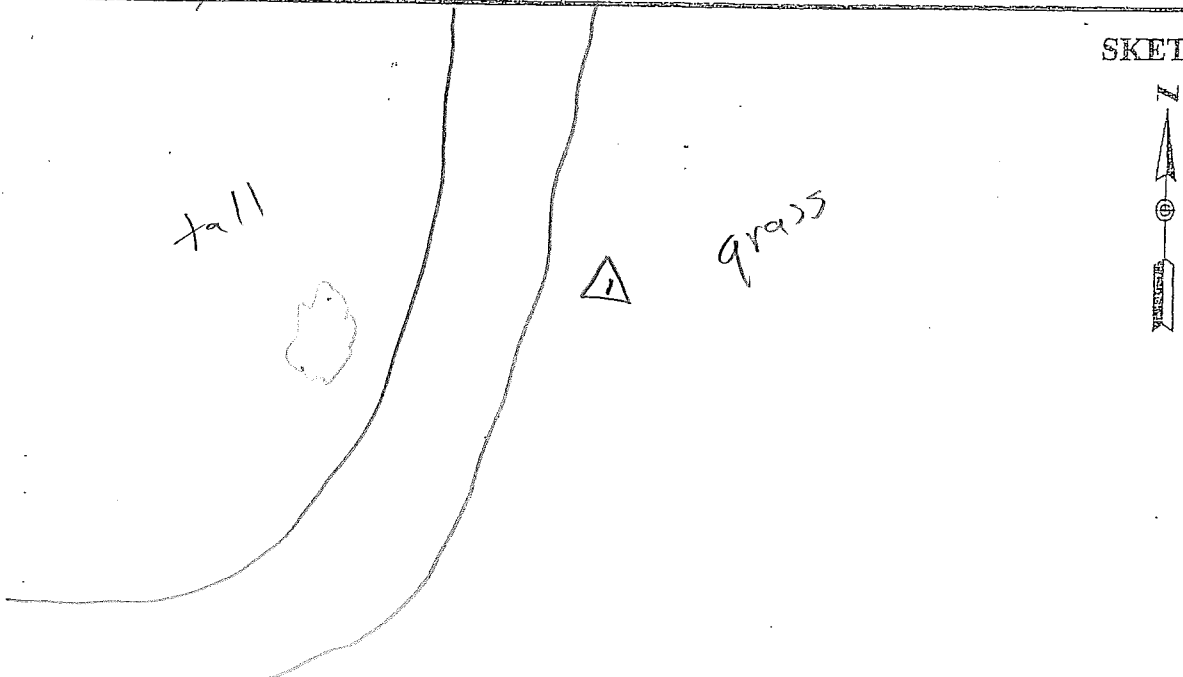
1743

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0025	4.3	9/9
0110	2.2	9/9

SKETCH



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

tall grass JPT

PROJECT <u>111105</u>	SITE NUMBER <u>7</u>
OPERATOR <u>NB</u>	SITE NAME <u>306</u>
DATE <u>3.4.12</u>	

TRACKING TIMES (LOCAL) MEASURE <input checked="" type="checkbox"/>	SENSOR TYPE <u>500</u> <u>9500</u> <u>399</u> <u>299</u>
START <u>2:10 p</u>	MEMORY CARD <u>704</u>
STOP <u>2:55 p</u>	BATTERY NO. <u>OB</u>
	CONTROLLER NO. _____
	SENSOR NO. _____

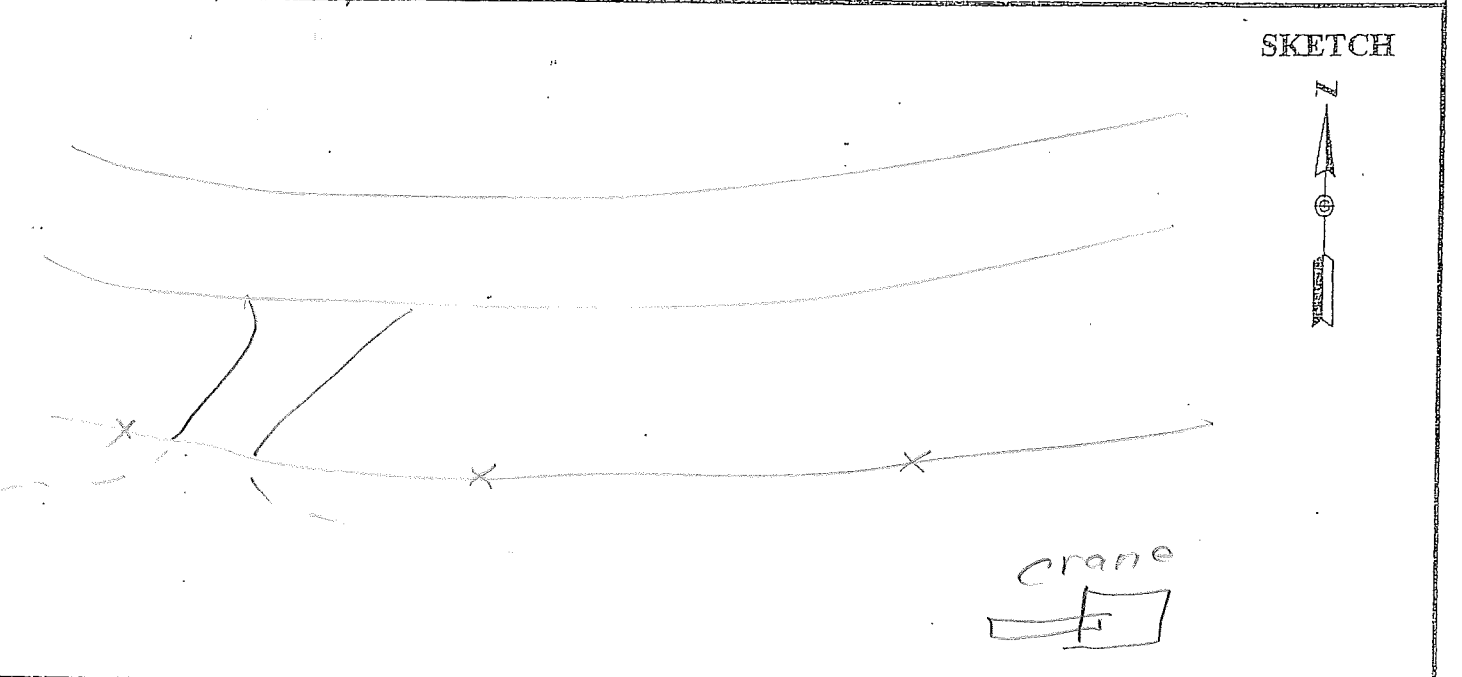
SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	<u>500</u>	<u>0.360</u>
HEIGHT READINGS	MTS	FT
	<u>1.400</u>	
		<u>1.760</u>

OBSTRUCTIONS: none

STATION DESCRIPTIONS S. of road

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
410	2.6	7/8
455	1.8	9/9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

tall
 grass VAP

PROJECT	111105	SITE NUMBER	3
OPERATOR	NB	SITE NAME	307
DATE	3.5.12		

TRACKING TIMES (LOCAL) MEASURE	<input checked="" type="checkbox"/>	SENSOR TYPE	500	9500	399	299
START	10:51a.	MEMORY CARD	704			
STOP	11:36a.	BATTERY NO.	CB			
		CONTROLLER NO.				
		SENSOR NO.				

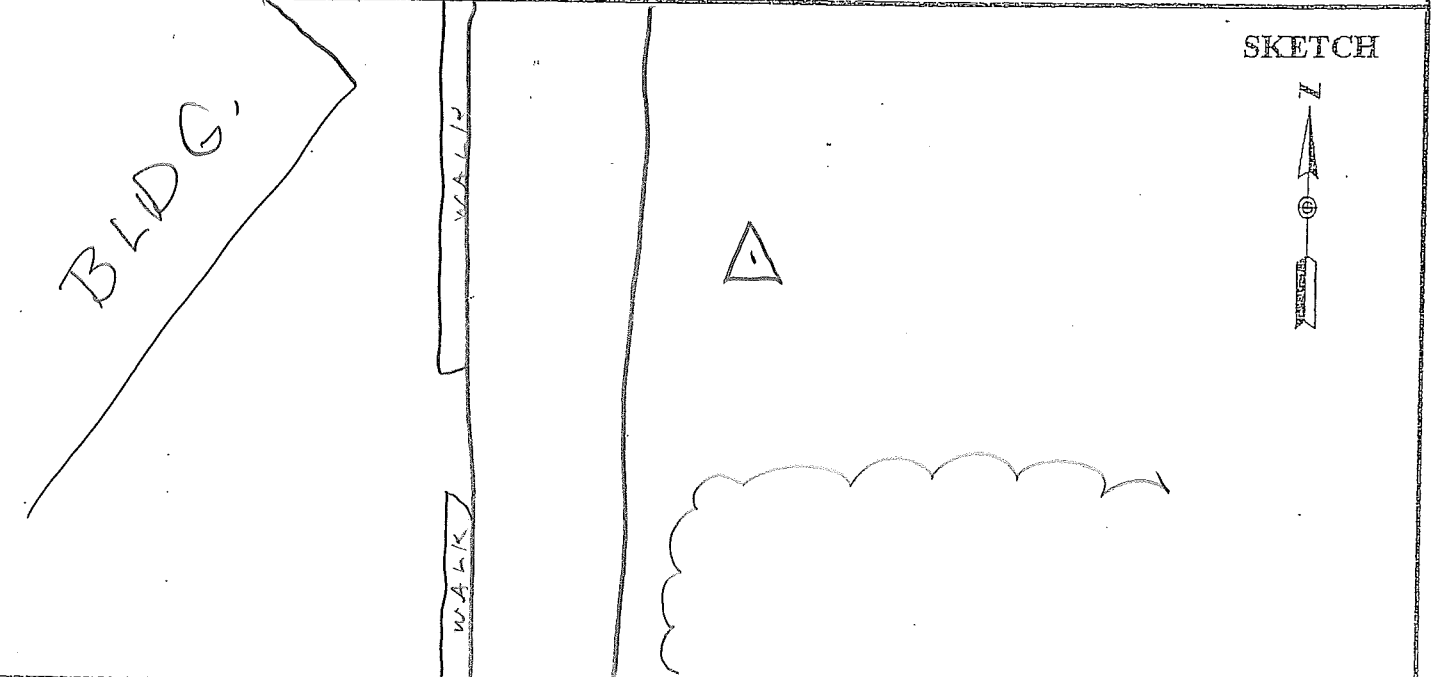
SENSOR CONSTANT	299/399	0.441
	399E/9500	0.399
	500	0.360
HEIGHT READINGS	MTS	FT
	1.373	
		1733

OBSTRUCTIONS: bldg NW
 trees S.

STATION DESCRIPTIONS E. of road

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
0051	3.2	6/7
0136		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

fall
gross ✓PT

PROJECT <u>111105</u>	SITE NUMBER <u>6</u>
OPERATOR <u>MS</u>	SITE NAME <u>308</u>
DATE <u>3.5.12</u>	

TRACKING TIMES (LOCAL) MEASURE _____	SENSOR TYPE 500 9500 399 299
START <u>1:39 p</u>	MEMORY CARD <u>704</u>
STOP <u>2:24 p</u>	BATTERY NO. <u>CB</u>
	CONTROLLER NO. _____
	SENSOR NO. _____

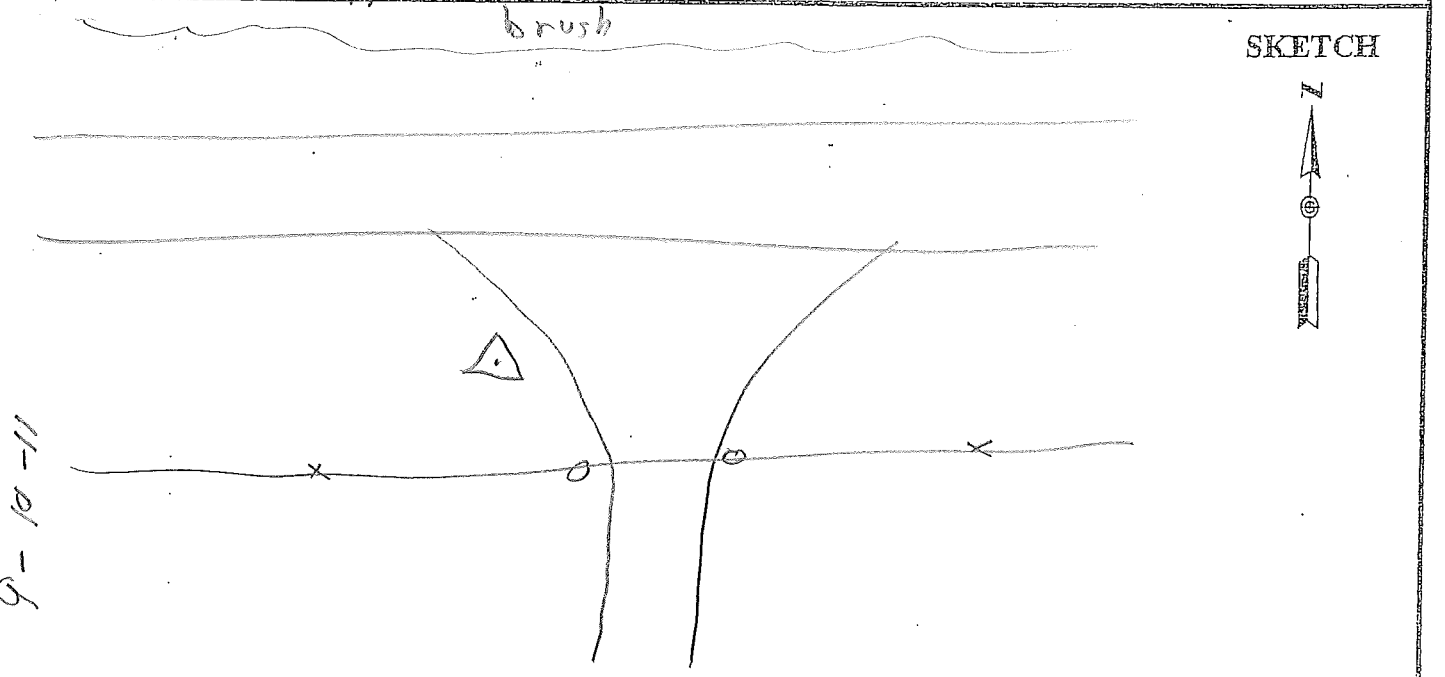
SENSOR CONSTANT	299/399 0.441	
	399E/9500 0.389	
	<u>500</u> <u>0.360</u>	
HEIGHT READINGS	MTS FT	
	<u>1.377</u> _____	
		<u>1737</u>

OBSTRUCTIONS: none

STATION DESCRIPTIONS tall grass - SW
side of pull-off

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
0.339	1.8	10/10
0.424	1.6	9/10

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

tel 91988 VPT

PROJECT 111105
 OPERATOR MO
 DATE 3.7.12
 SITE NUMBER 6
 SITE NAME 309

TRACKING TIMES (LOCAL) MEASURE
 START 12:14 p
 STOP 12:59 p
 SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. 03
 CONTROLLER NO. _____
 SENSOR NO. _____

SENSOR CONSTANT 299/399 0.441
 399E/9500 0.389
 500 0.360
 HEIGHT READINGS MTS FT
1.314 _____
 _____ 1.674

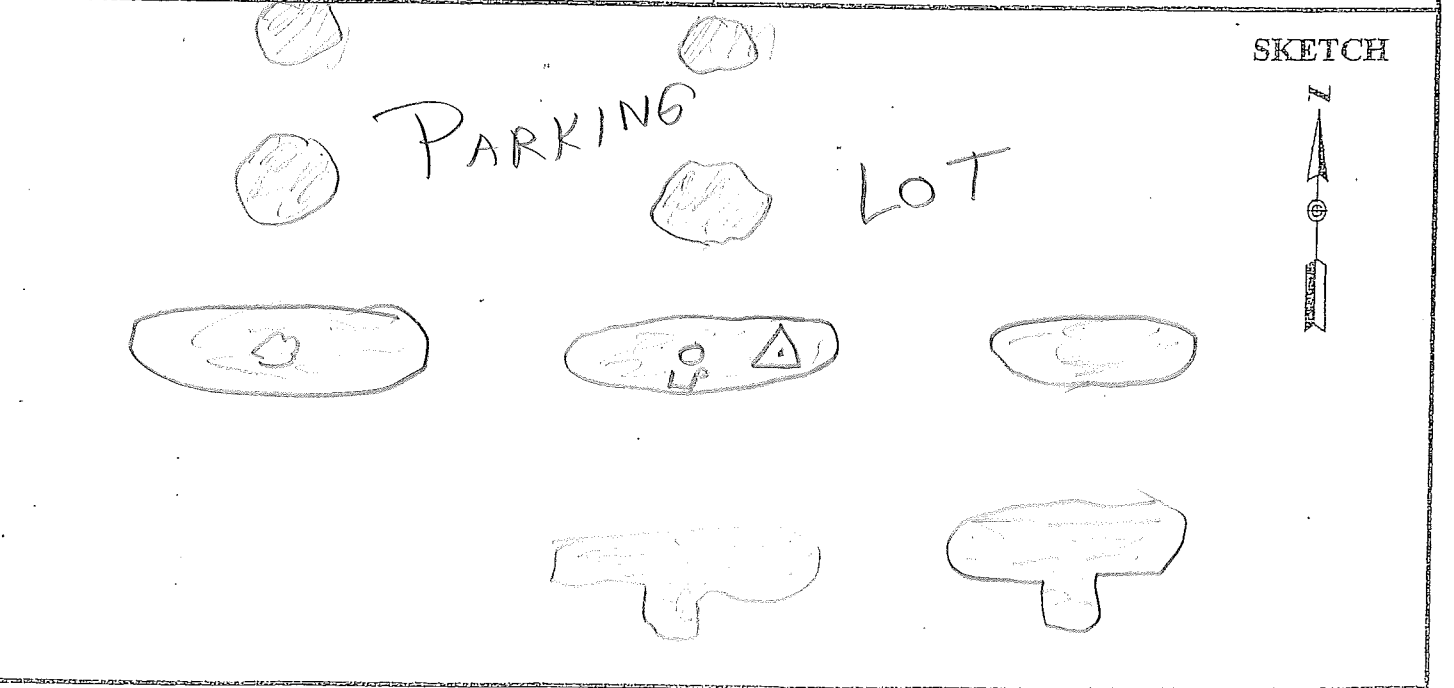
OBSTRUCTIONS: LP west

 STATION DESCRIPTIONS on parking lot
island

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
0214	2.7	7/7
0259		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

tall grass ✓
 VPT

PROJECT 111105
 OPERATOR MB
 DATE 3.8.12

SITE NUMBER 3
 SITE NAME 310

TRACKING TIMES (LOCAL) MEASURE _____
 START 9:41a.
 STOP 10:26a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. OB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: trees SW ↔ SE
trees NW

HEIGHT READINGS MTS FT
1.395 _____

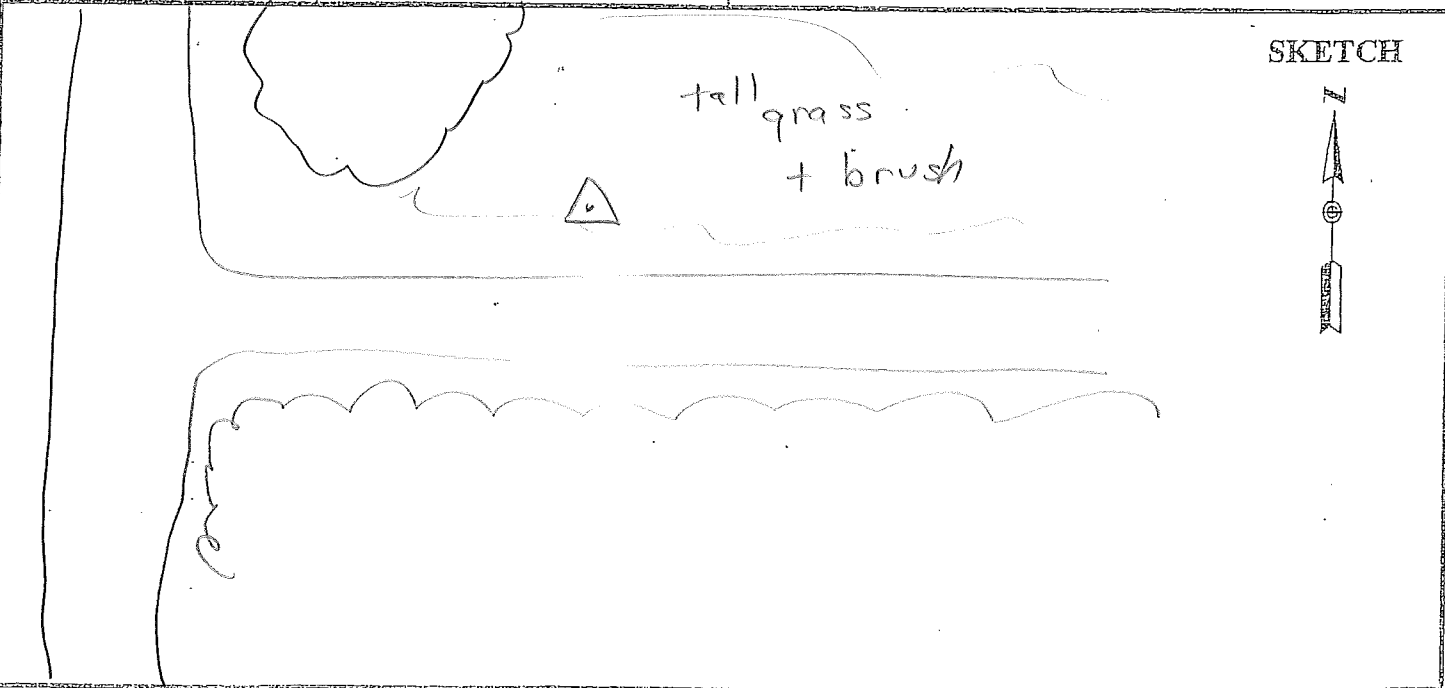
STATION DESCRIPTIONS N. of road

1.755

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
2341	5.4	7/7
0026		



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

fall
gross ✓PT

PROJECT 111105
 OPERATOR NB
 DATE 3-8-12

SITE NUMBER 7
 SITE NAME 311

TRACKING TIMES (LOCAL) MEASURE
 START 2:00 p
 STOP 2:45 p

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: _____

HEIGHT READINGS MTS FT
1.270 _____
 _____ 1.650

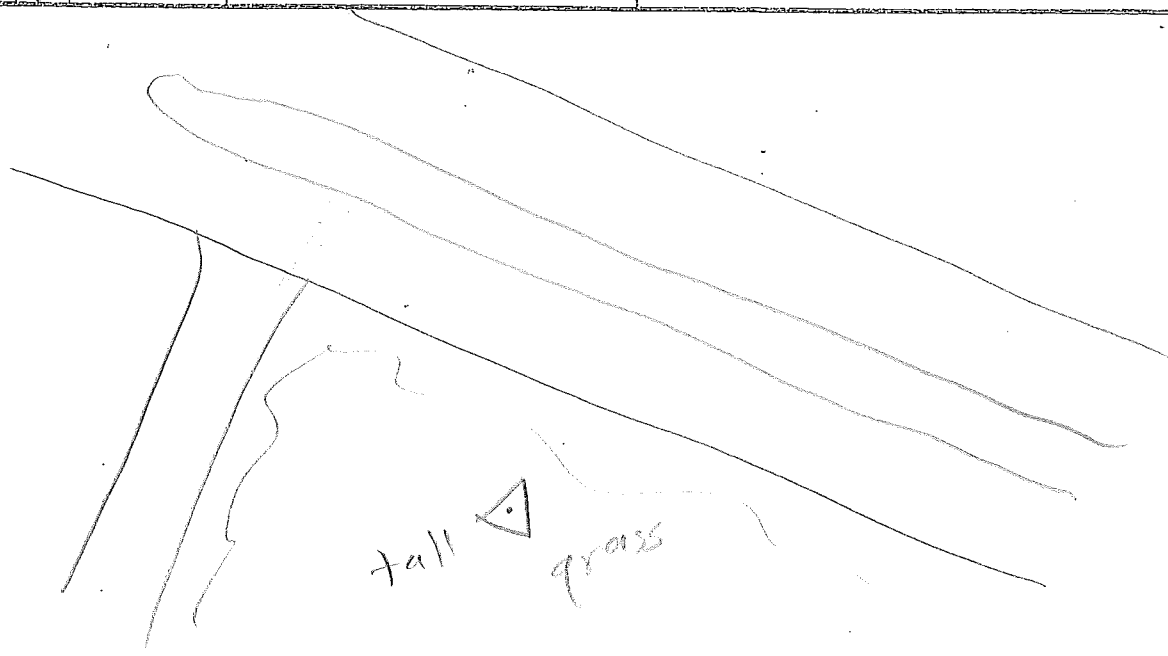
STATION DESCRIPTIONS _____

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0400	2.7	8/8
0445		

SKETCH



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

LONG
GRASS

PROJECT	<u>111105</u>	SITE NUMBER	<u>4</u>
OPERATOR	<u>WJN</u>	SITE NAME	<u>1301</u>
DATE	<u>2/29/30</u>		

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE	<u>500</u>	9500	399	299
START	MEMORY CARD	<u>14</u>			
STOP	BATTERY NO.				
	CONTROLLER NO.				
	SENSOR NO.				

SENSOR CONSTANT	299/399	0.441	OBSTRUCTIONS: <u>TREES S, N</u>
	399E/9500	0.389	
	500	<u>0.360</u>	
HEIGHT READINGS	MTS	FT	STATION DESCRIPTIONS <u>POINT IN</u>
	<u>7.264</u>		<u>LONG GRASS, IN W.</u>
			<u>P/W</u>

SATELLITE OBSERVATIONS			WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
			<u>MC CLEARING</u>
TIME	GDOP	SATELLITES	
<u>0138</u>	<u>2.8</u>	<u>9/9-9</u>	
<u>01:59</u>	<u>2.4</u>	<u>9/9-9</u>	

SKETCH

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

LONG GRASS

PROJECT 111105
 OPERATOR WJN
 DATE 2/10/12

SITE NUMBER 1
 SITE NAME 1302

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 9:22
 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: TREES E-W

HEIGHT READINGS MTS FT
1.195 _____

STATION DESCRIPTIONS POINT IN
LONG GRASS IN W/RW

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>22:36</u>	<u>2.0</u>	<u>7/7-10</u>

SKETCH

The sketch shows a rectangular area representing a field. On the right side, there is a north arrow pointing upwards, labeled 'N'. In the center of the field, there is a circled number '4'. On the left side, there is a small triangle with a dot inside it. The field boundaries are drawn with wavy lines on the left and right sides, and straight lines on the top and bottom.

Not processed.

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

LONG
GRASS

PROJECT	111105	SITE NUMBER	4
OPERATOR	WJN	SITE NAME	1303
DATE	3/02/12		

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE	500	9500	399	299
START	MEMORY CARD				
STOP	BATTERY NO.				
	CONTROLLER NO.				
	SENSOR NO.				

SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	0.360
HEIGHT READINGS	MTS	FT
	1.190	

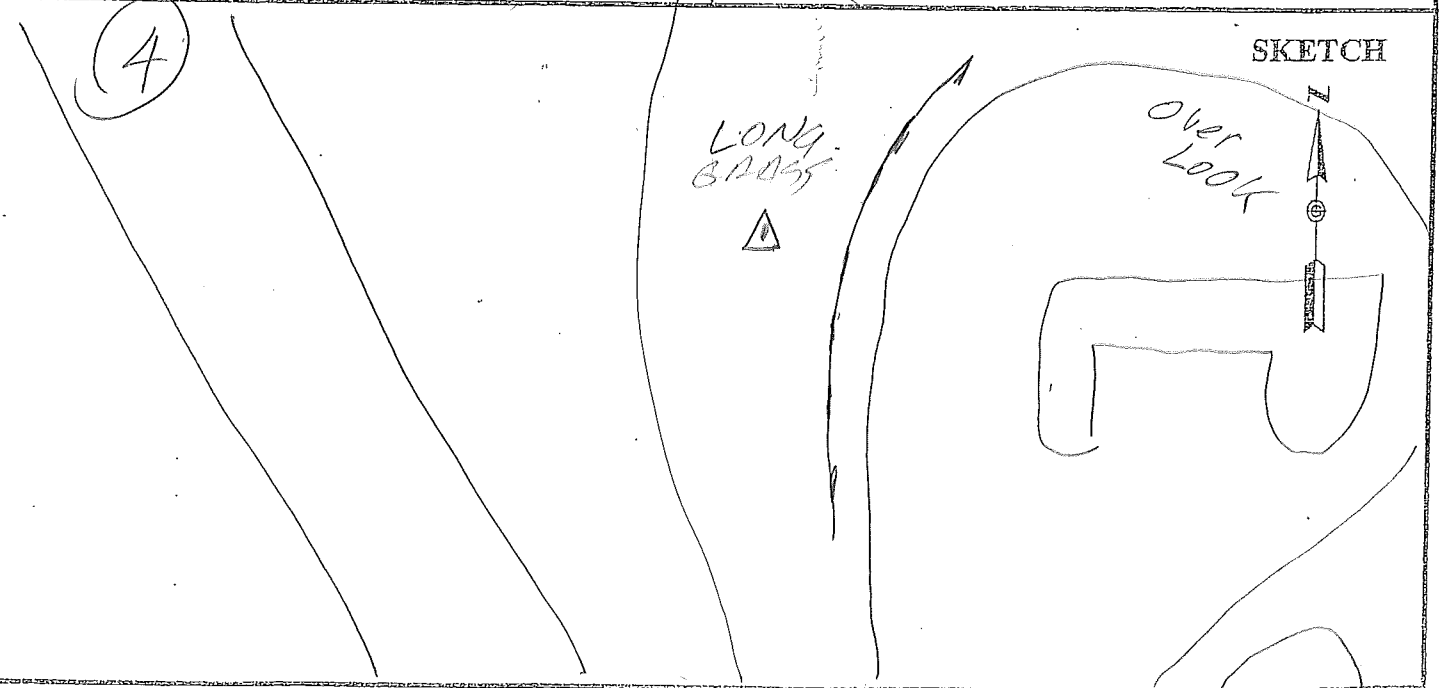
OBSTRUCTIONS: NO

STATION DESCRIPTIONS: POINT IN LONG GRASS

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
01:58	4.8	10 7/7-8
2:58	2.7	8/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

RAIN



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

LONG GRASS

PROJECT 111105
 OPERATOR MVN
 DATE 3/3/12

SITE NUMBER 3
 SITE NAME 1304

TRACKING TIMES (LOCAL) MEASURE GMT+11
 START 11:28
 STOP 11:58

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 603
 BATTERY NO. _____
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: _____

HEIGHT READINGS MTS FT
1140 _____

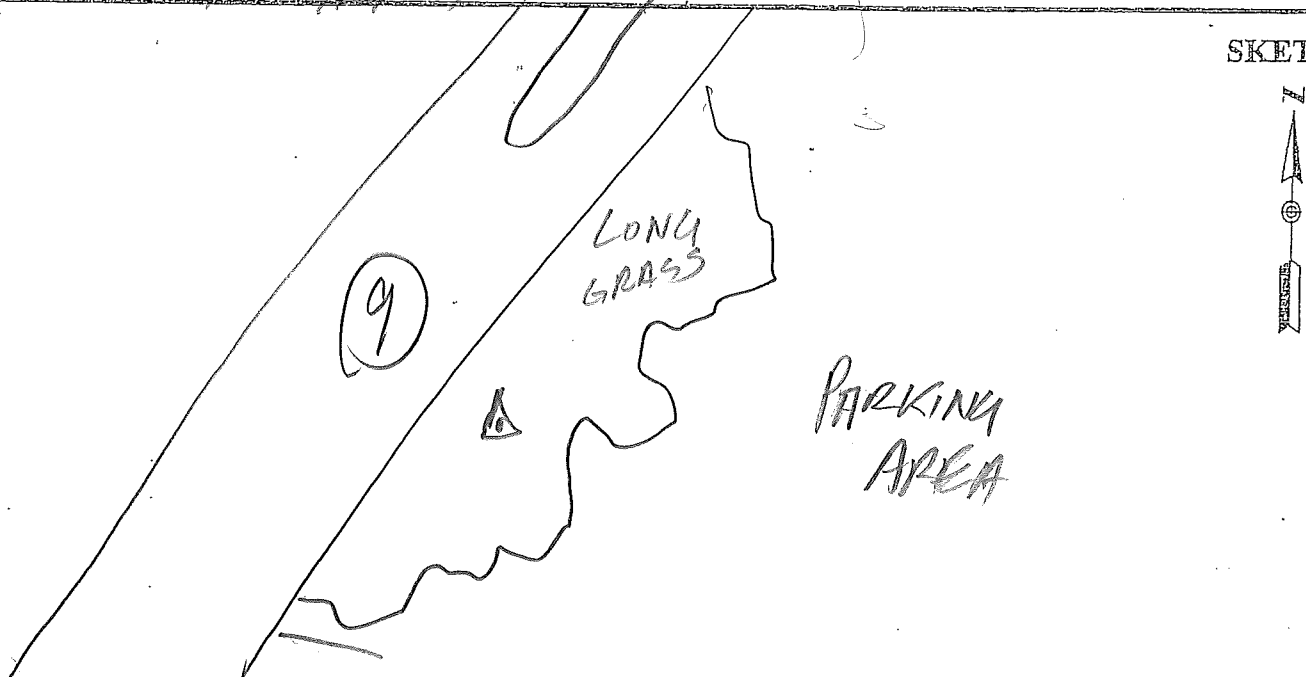
STATION DESCRIPTIONS POINT IN
LONG GRASS

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
01:28	1.9	9/9-9
01:58	1.9	9/9-9

SKETCH



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

LONG GRASS

PROJECT	111105	SITE NUMBER	3
OPERATOR	WJN	SITE NAME	1305
DATE	3/4/12		

TRACKING TIMES (LOCAL) MEASURE GMT+10		SENSOR TYPE	500	9500	399	299
START	9:28	MEMORY CARD	14			
STOP	10:05	BATTERY NO.				
		CONTROLLER NO.				
		SENSOR NO.				

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

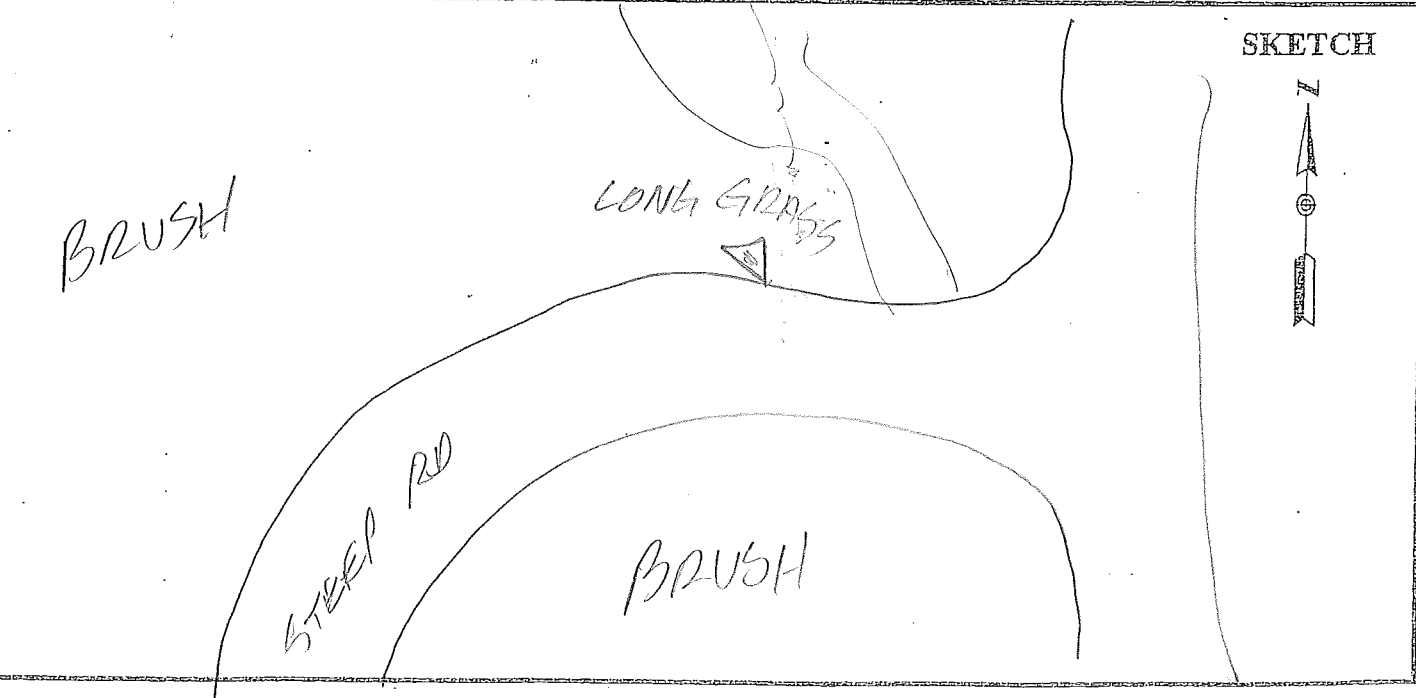
HEIGHT READINGS	MTS	FT
	1.203	

OBSTRUCTIONS: NO

STATION DESCRIPTIONS: POINT IN LONG GRASS

TIME	GDOP	SATELLITES
23:29	2.0	7/7-10
20:05	2.1	10/10-10

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS: MC



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

LONG
GRASS

PROJECT 111105
 OPERATOR WJN
 DATE 3/4/12

SITE NUMBER 7
 SITE NAME 1306

TRACKING TIMES (LOCAL) MEASURE GMT +10
 START 13 20
 STOP 14 00

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 E-W

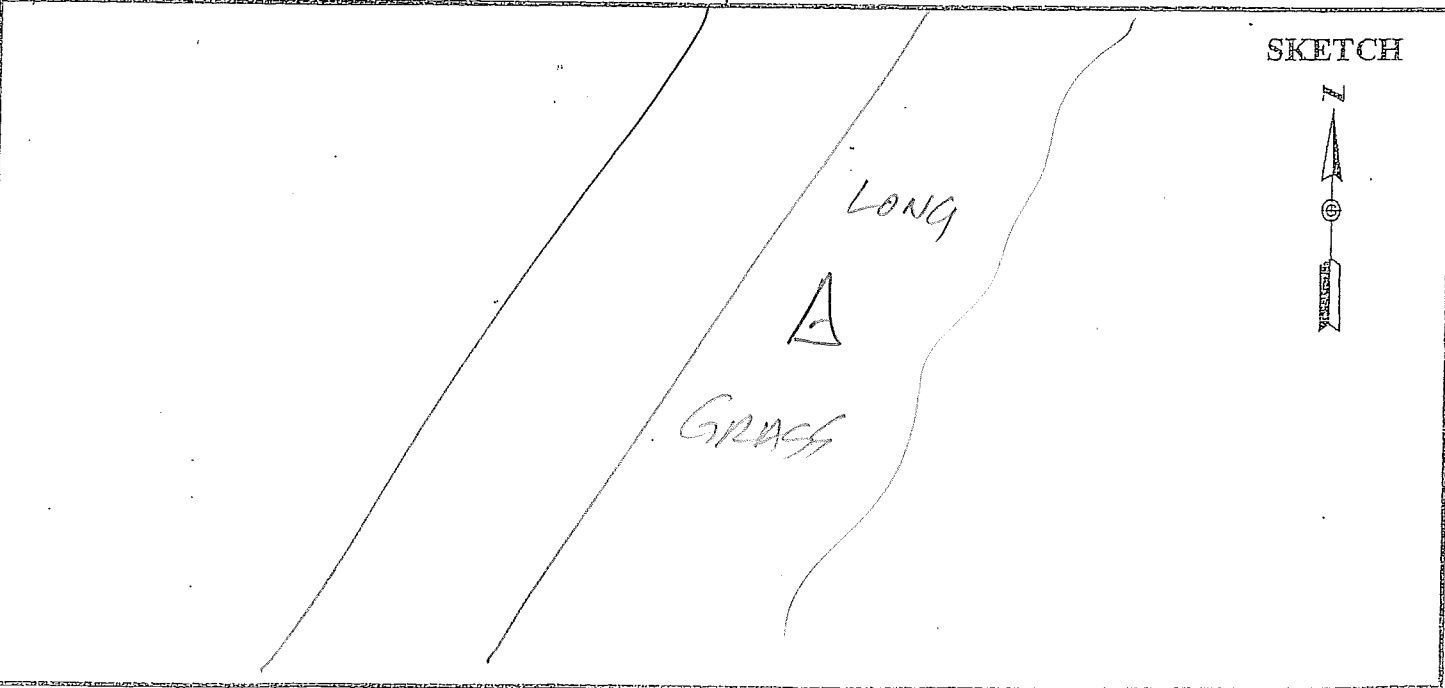
HEIGHT READINGS MTS FT
1.230

STATION DESCRIPTIONS POINT

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>3 20</u>	<u>2.8</u>	
<u>4 00</u>	<u>2.6</u>	



SKETCH

AERO-METRIC, INC.
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 SHEBOYGAN, WISCONSIN 53083

LONG GRASS

PROJECT 111105
 OPERATOR WVN
 DATE 3/5/11

SITE NUMBER 2
 SITE NAME 1307

TRACKING TIMES (LOCAL) MEASURE GMT +11
 START 9:15
 STOP 10:00

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
1.255 _____

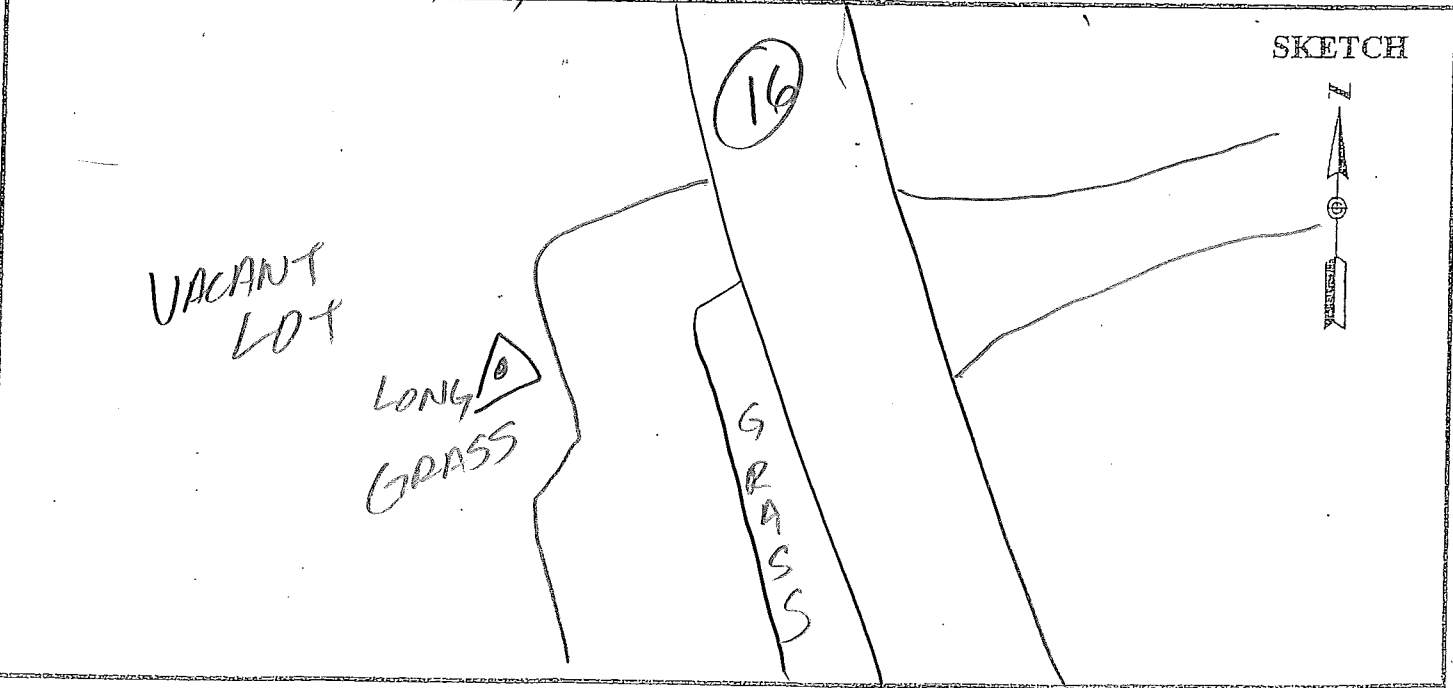
STATION DESCRIPTIONS POINT IN LONG GRASS

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC

TIME	GDOP	SATELLITES
<u>2315</u>	<u>1.9</u>	<u>9/9-9</u>
<u>24:00</u>	<u>2.2</u>	<u>9/9-9</u>



1606 1607 1609

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

LONG
GRASS

PROJECT 111105
OPERATOR WJN
DATE 3/6/12

SITE NUMBER 5
SITE NAME 1308

TRACKING TIMES (LOCAL) MEASURE CMT+11
START 11:18
STOP 11:52

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: CONCRETE FENCE
POSTS SE, NW PPL N-S

HEIGHT READINGS MTS FT
1.195 _____

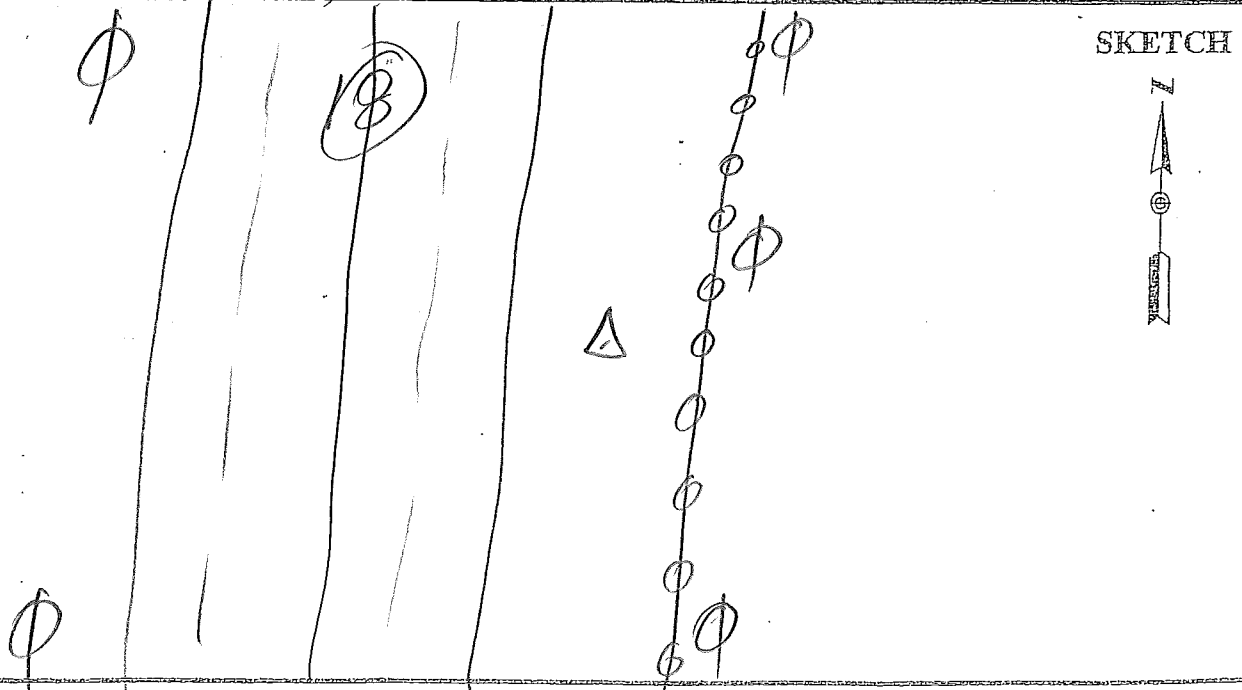
STATION DESCRIPTIONS POINT IN
LONG GRASS IN E R/W
RT. 8.

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
01:18	2.0	9/9-9
01:52	1.9	9/9-9

ML



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

LONG
GRASS

PROJECT 111105
 OPERATOR WJN
 DATE 3/7/12
 SITE NUMBER 1
 SITE NAME 1309

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 7:56
 STOP 8:26
 SENSOR TYPE 500 9500 399 299
 MEMORY CARD 14
 BATTERY NO. _____
 CONTROLLER NO. _____
 SENSOR NO. _____

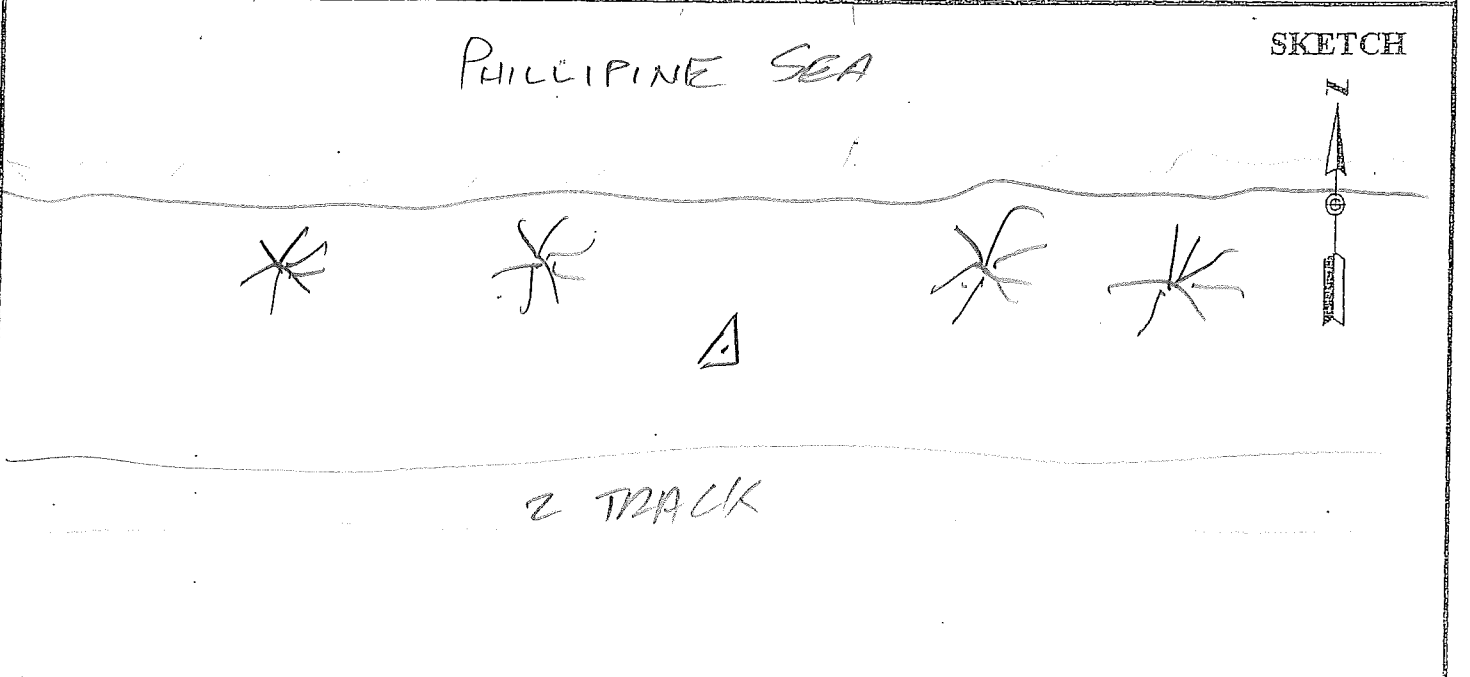
SENSOR CONSTANT 299/399 0.441
 399E/9500 0.389
 500 0.360
 HEIGHT READINGS MTS FT
1.244 _____

OBSTRUCTIONS: TREES ROW
 STATION DESCRIPTIONS POINT IN
LONG GRASS

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
21:56	2.2	8/8-9
22:26	2.4	8/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

LONG GRASS

PROJECT 111105
 OPERATOR UNAI
 DATE 3/7/12

SITE NUMBER 3
 SITE NAME 1310

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 9:28
 STOP 10:06

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

OBSTRUCTIONS: TREES E-W

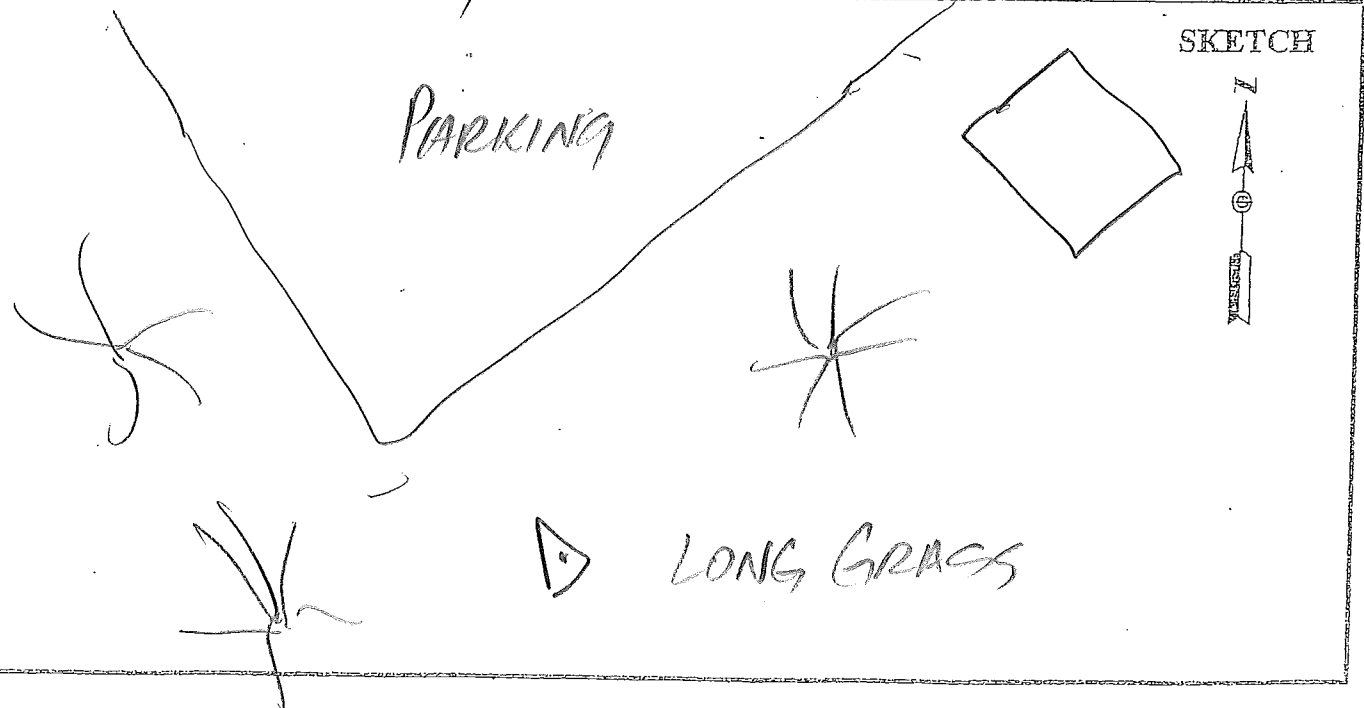
HEIGHT READINGS MTS FT
1.225 _____

STATION DESCRIPTIONS POINT IN LONG GRASS

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC

TIME	GDOP	SATELLITES
2328	2.0	9/9-11
0006	2.2	9/9-9



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

PROJECT 111105
 OPERATOR WJW
 DATE 3/7/12

SITE NUMBER 7
 SITE NAME 1311

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 1327
 STOP 1400

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

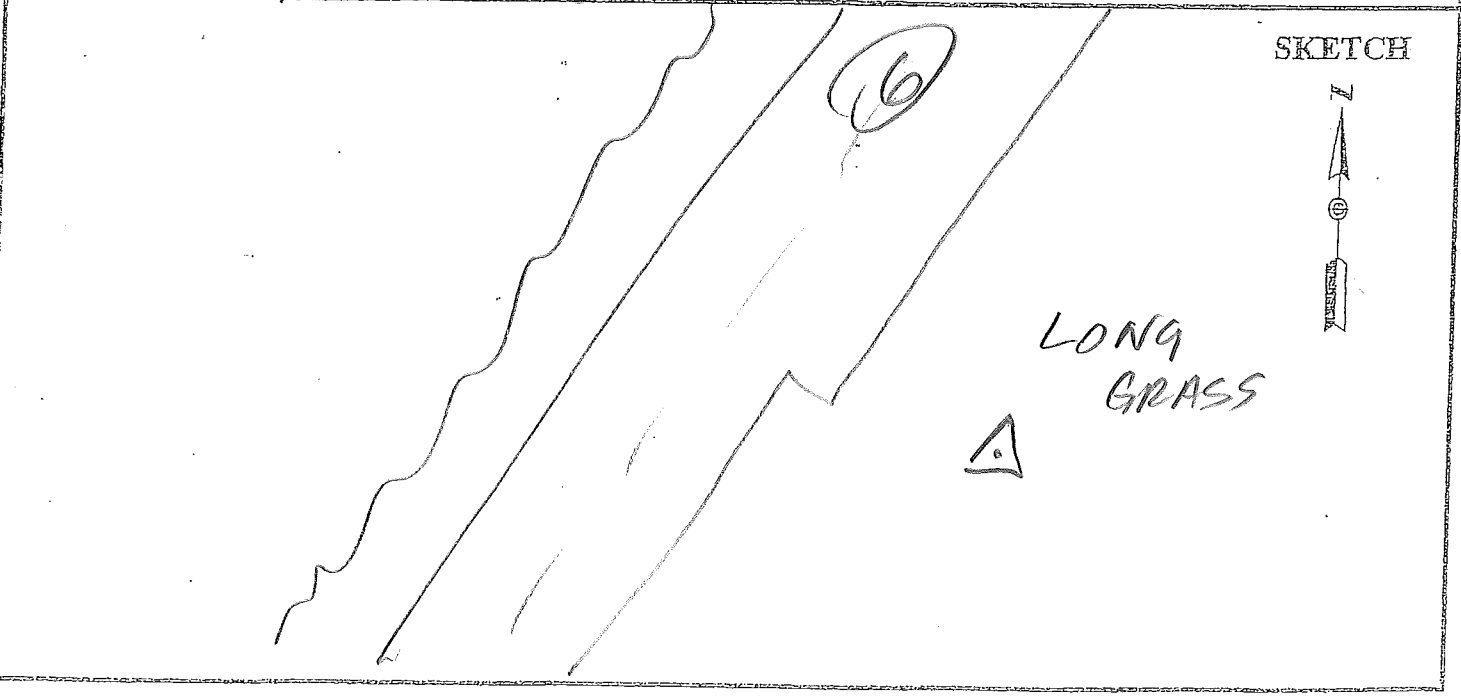
HEIGHT READINGS MTS FT
 1.178 _____

STATION DESCRIPTIONS POINT IN
LONG GRASS

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC

TIME	GDOP	SATELLITES
<u>3:27</u>	<u>2.0</u>	<u>11/11-11</u>
<u>4:00</u>	<u>2.7</u>	<u>8/8-8</u>



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 SHEBOYGAN, WISCONSIN 53083

LONG
GRASS

PROJECT 111105
 OPERATOR WVN
 DATE 3/7/12

SITE NUMBER 9
 SITE NAME 1312

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 14:47
 STOP 15:18

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
 1.146 _____

STATION DESCRIPTIONS POINT IN
LONG GRASS

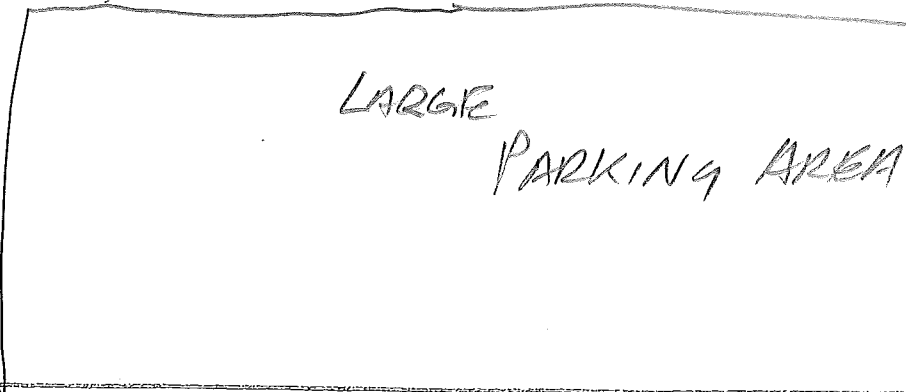
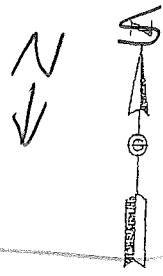
SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>447</u>	<u>2.2</u>	<u>9/9-9</u>
<u>519</u>	<u>2.0</u>	<u>9/9-9</u>

SKETCH

A



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

brush ✓/PT

PROJECT 111105
OPERATOR NB
DATE 2.29.12

SITE NUMBER 7
SITE NAME 401

TRACKING TIMES (LOCAL) MEASURE
START 12:59 p
STOP 1:27 p

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

HEIGHT READINGS MTS FT
1.443 _____

1.803

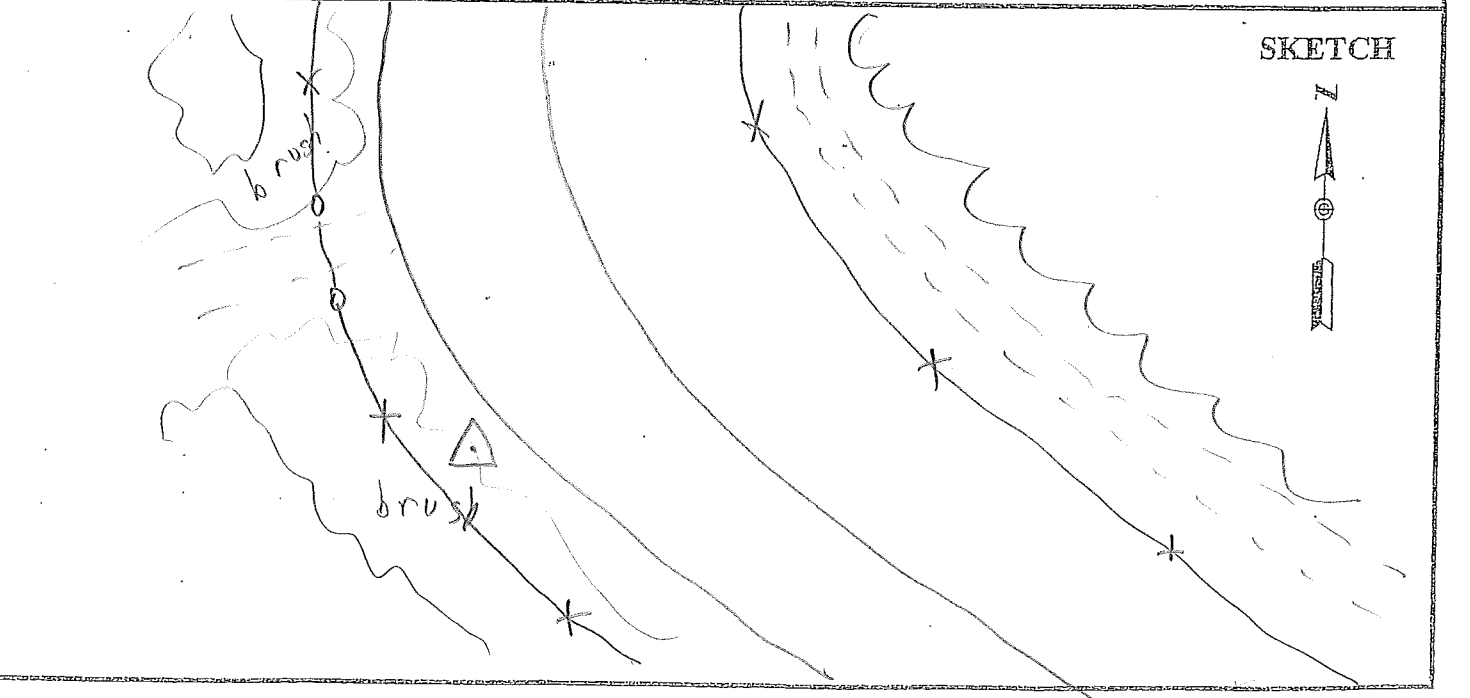
OBSTRUCTIONS: trees SE → SW

STATION DESCRIPTIONS in brush SW
side of road

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
2159	2.8	8/8
2227		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

brush \sqrt{PT}

PROJECT 111105
 OPERATOR NB
 DATE 3.1.12

SITE NUMBER 2
 SITE NAME 402

TRACKING TIMES (LOCAL) MEASURE
 START 9:50
 STOP 10:20

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CR3
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: trces NW \leftrightarrow NE

HEIGHT READINGS MTS FT
1.397 _____

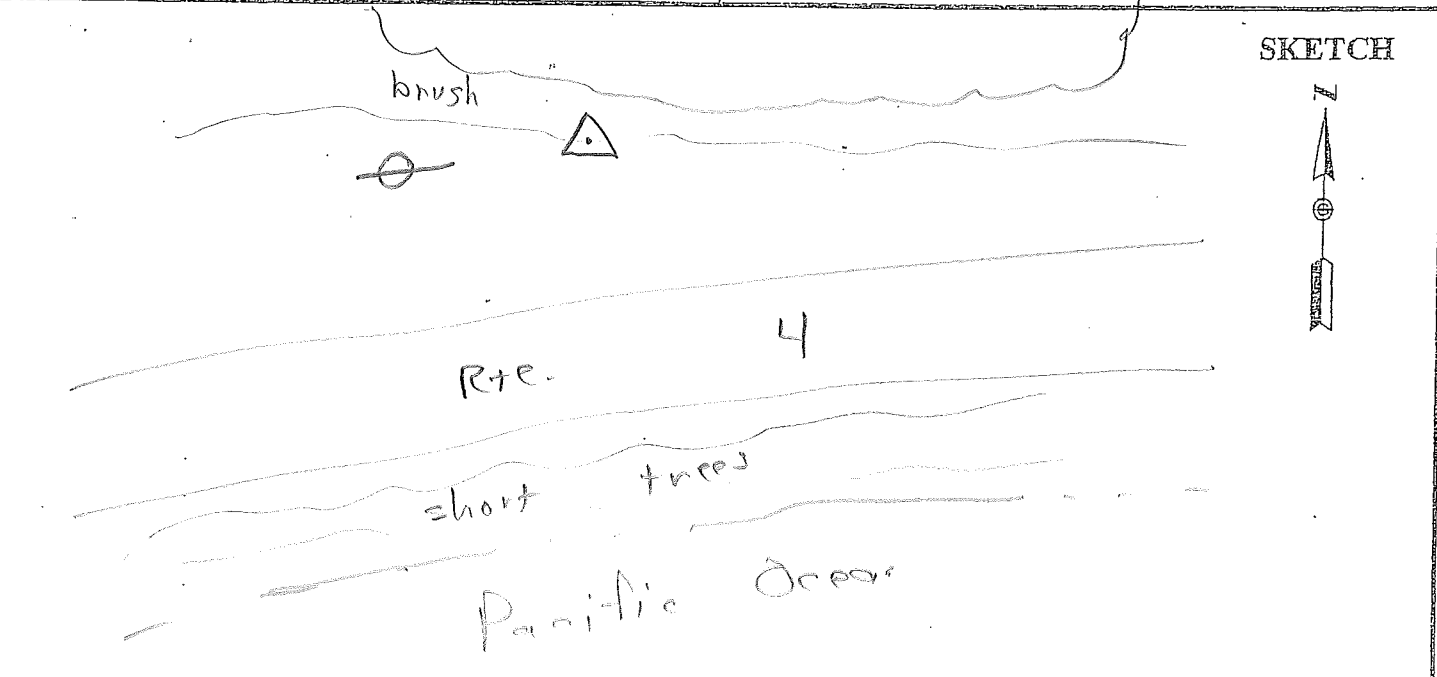
STATION DESCRIPTIONS in brush

1757

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
2350	2.6	6/6
0020		



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

brush VPT

PROJECT 111105
OPERATOR MB
DATE 3.1.12

SITE NUMBER 10
SITE NAME 403

TRACKING TIMES (LOCAL) MEASURE
START 3:17 p
STOP 3:47 p

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

OBSTRUCTIONS: trees SW \leftrightarrow SE

HEIGHT READINGS MTS FT
1.170 _____

STATION DESCRIPTIONS brush N. of road


1.530

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0517	2.4	7/7
0547		

SKETCH

road tall grass
+ brush 



Pacific Ocean

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

brush PT

PROJECT 111105
 OPERATOR MB
 DATE 3.3.12

SITE NUMBER 8
 SITE NAME 405

TRACKING TIMES (LOCAL) MEASURE
 START 2:00
 STOP 2:45

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: trees SW ↔ NW

HEIGHT READINGS MTS FT
1.327 _____

STATION DESCRIPTIONS W. of road

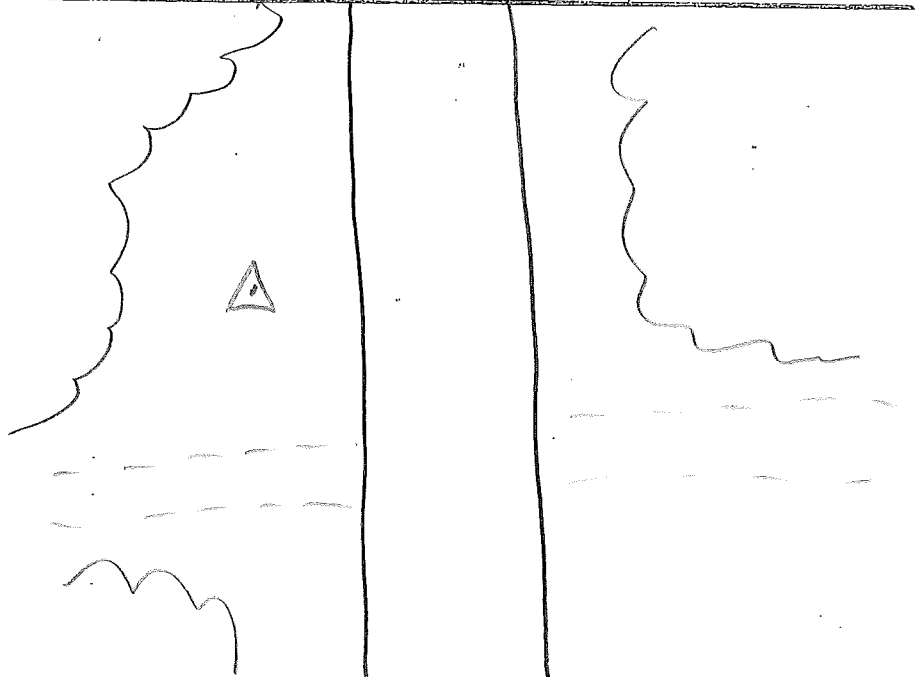
1687

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0400	4.9	6/6
0445	8.5	7/7

SKETCH



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

brush ✓

PROJECT 111105
 OPERATOR MB
 DATE 3.4.12

SITE NUMBER 5
 SITE NAME 406

TRACKING TIMES (LOCAL) MEASURE
 START 11:37 a.
 STOP 12:22 p

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. C19
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: trees NE

HEIGHT READINGS MTS FT
1.436 _____

STATION DESCRIPTIONS brush E. side road

1.796

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0137	5.2	5/5
0222	1.9	9/9

SKETCH



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

brush ✓PT

PROJECT 111105
 OPERATOR MB
 DATE 3.5.12

SITE NUMBER 2
 SITE NAME 407

TRACKING TIMES (LOCAL) MEASURE ✓
 START 9:50 a.
 STOP 10:35 a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: trees NW ↔ NE
SW ↔ SE

HEIGHT READINGS MTS FT
1.403 _____

STATION DESCRIPTIONS S. side road

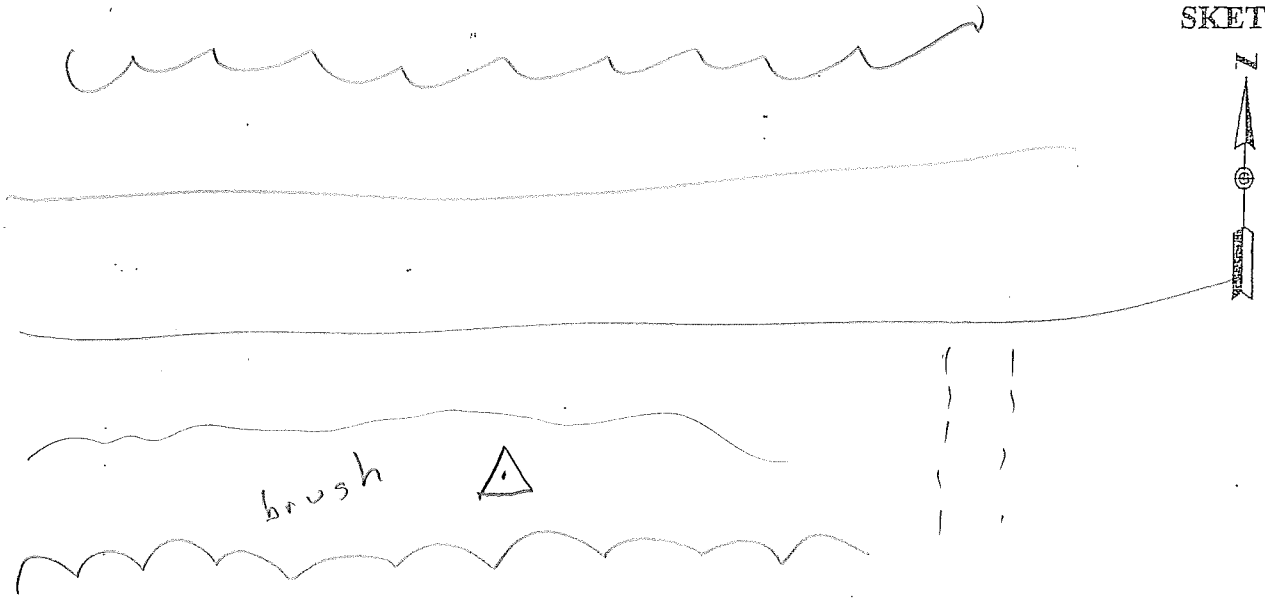
1.763

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
2350	3.1	6/6
0035	3.0	7/7

SKETCH



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

brush ✓PT

PROJECT 111105
 OPERATOR MB
 DATE 3.6.12

SITE NUMBER 2
 SITE NAME 408

TRACKING TIMES (LOCAL) MEASURE
 START 8:46 a.
 STOP 9:31 a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: trees NE ↔ SE

HEIGHT READINGS MTS FT
1.352 _____

STATION DESCRIPTIONS in brush E. of road

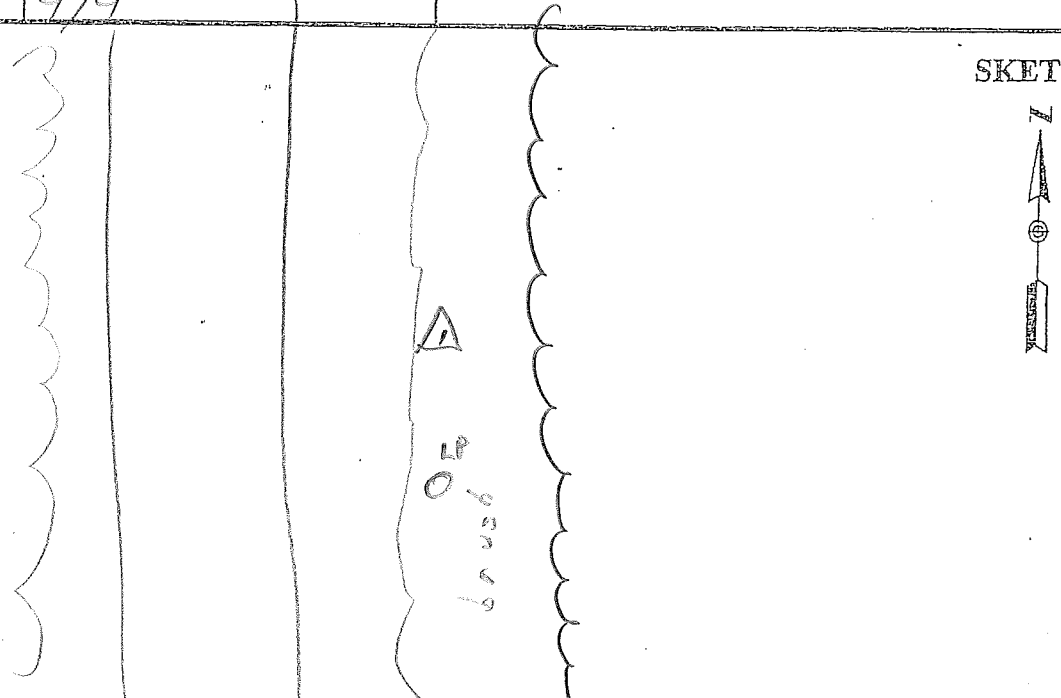
1712

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
2246	2.5	7/7
2331	2.1	9/9

SKETCH



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

brush AT

PROJECT 111105
 OPERATOR MB
 DATE 3.7.12

SITE NUMBER 1
 SITE NAME 409

TRACKING TIMES (LOCAL) MEASURE
 START 7:23 a.
 STOP 8:08 a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: in brush
trees S.

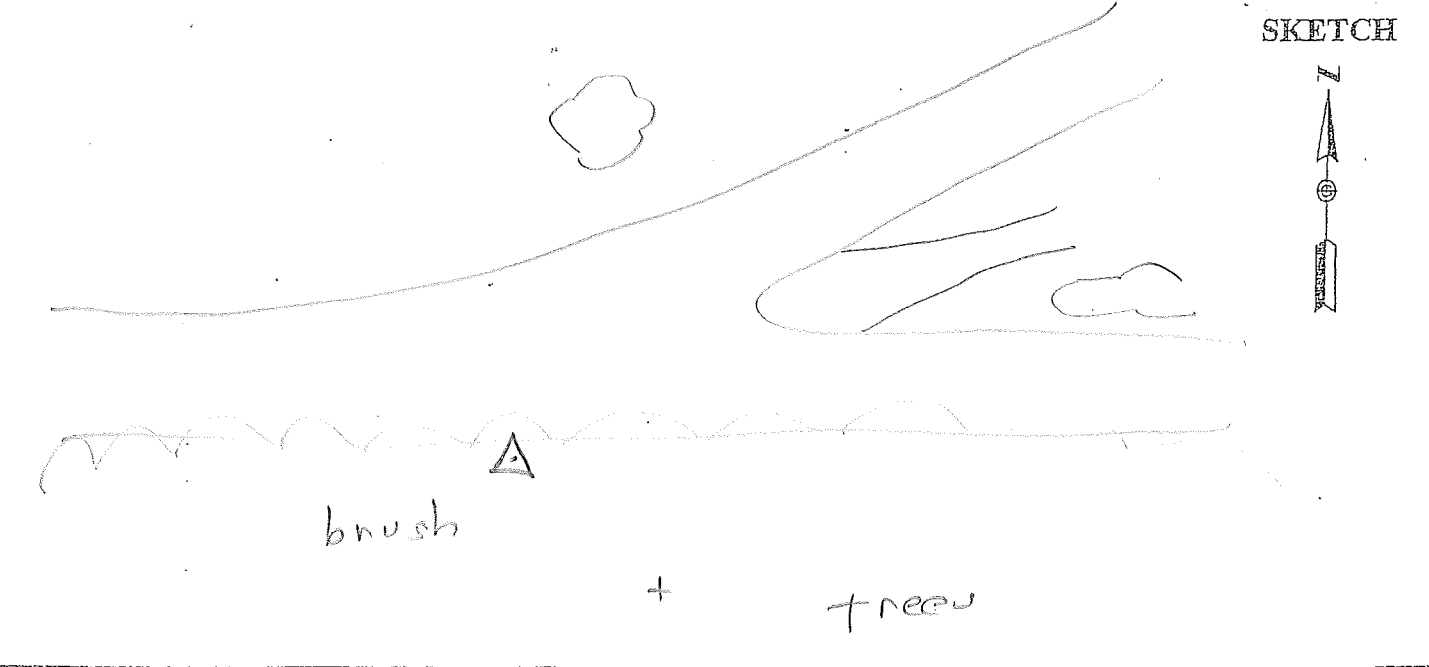
HEIGHT READINGS MTS FT
1.373 _____
 1733

STATION DESCRIPTIONS S. of road

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
2123	2.7	7/8
2208		



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

brush ✓/PT

PROJECT 111105
 OPERATOR NB
 DATE 3.8.12

SITE NUMBER 1
 SITE NAME 410

TRACKING TIMES (LOCAL) MEASURE 39
 START 7:22 a.
 STOP 8:24 a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. 20
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: brush + trees

HEIGHT READINGS MTS FT
1.405 _____

STATION DESCRIPTIONS in brush w.
of Driveway

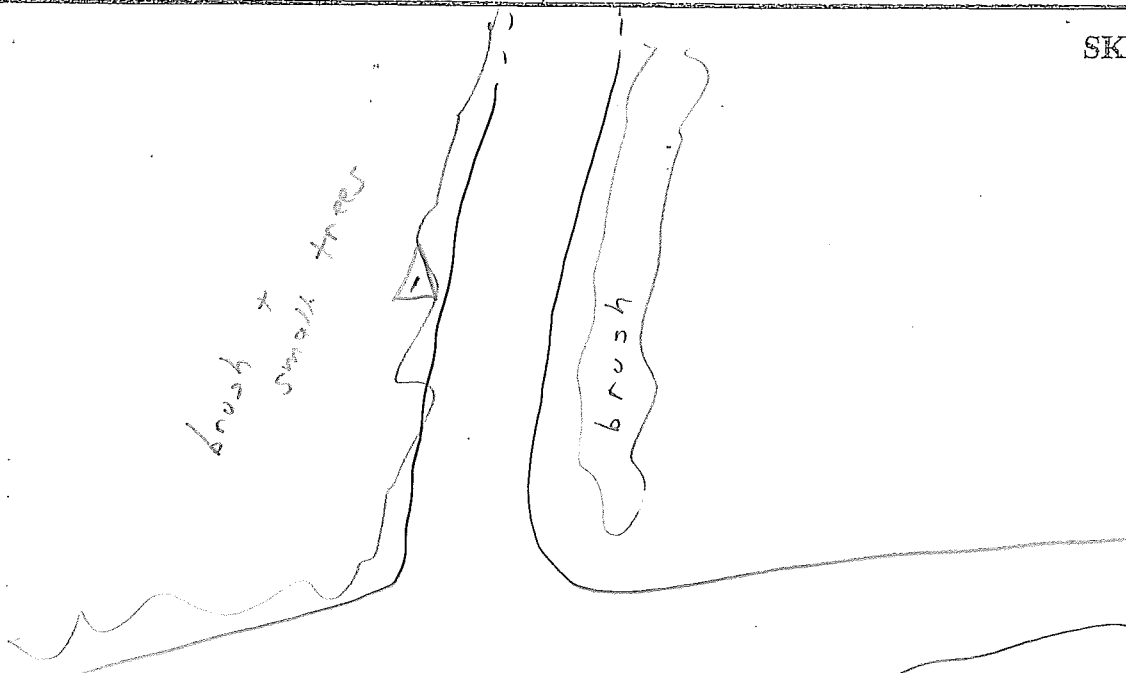
1.765

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
2123	3.8	5/5
2224		

SKETCH



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

BRUSA

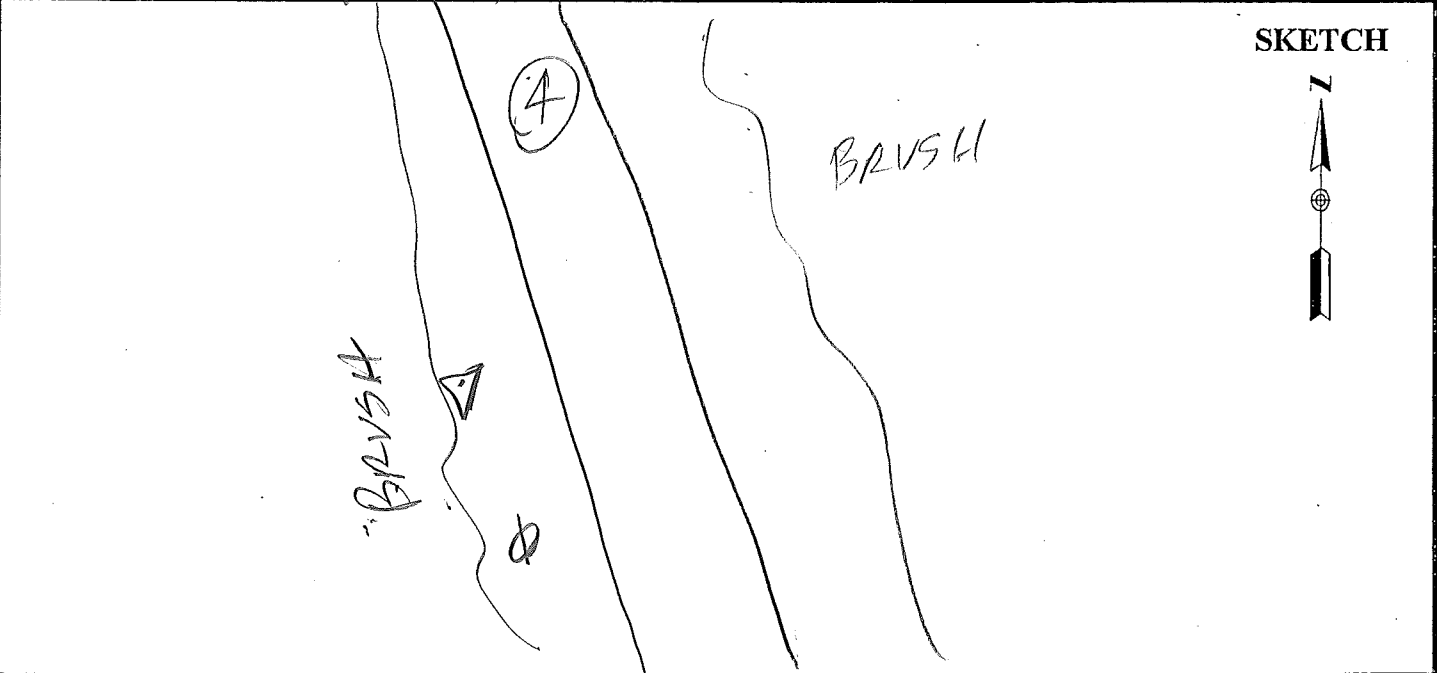
PROJECT	<u>111105</u>	SITE NUMBER	<u>6</u>
OPERATOR	<u>WVN</u>	SITE NAME	<u>1401</u>
DATE	<u>2/29/30</u>		

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE	<u>500</u>	9500	399	299
START	MEMORY CARD	<u>14</u>			
STOP	BATTERY NO.				
	CONTROLLER NO.				
	SENSOR NO.				

SENSOR CONSTANT	299/399	0.441	OBSTRUCTIONS: <u>TREES N-S</u>
	399E/9500	0.389	
	500	<u>0.360</u>	
HEIGHT READINGS	MTS	FT	STATION DESCRIPTIONS <u>POINT IN BRUSH IN W R/W</u>
	<u>7.241</u>		

SATELLITE OBSERVATIONS	WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
------------------------	---

TIME	GDOP	SATELLITES
<u>0241</u>	<u>1.9</u>	<u>9/9-9</u>
<u>0303</u>	<u>2.1</u>	<u>9/9-9</u>



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

BRUSH

PROJECT 111105
 OPERATOR WJA
 DATE 3/01/12

SITE NUMBER 2
 SITE NAME 1402

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 10:08
 STOP 10:38

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 E

HEIGHT READINGS MTS FT
1185 _____

STATION DESCRIPTIONS POINT IN BRUSH

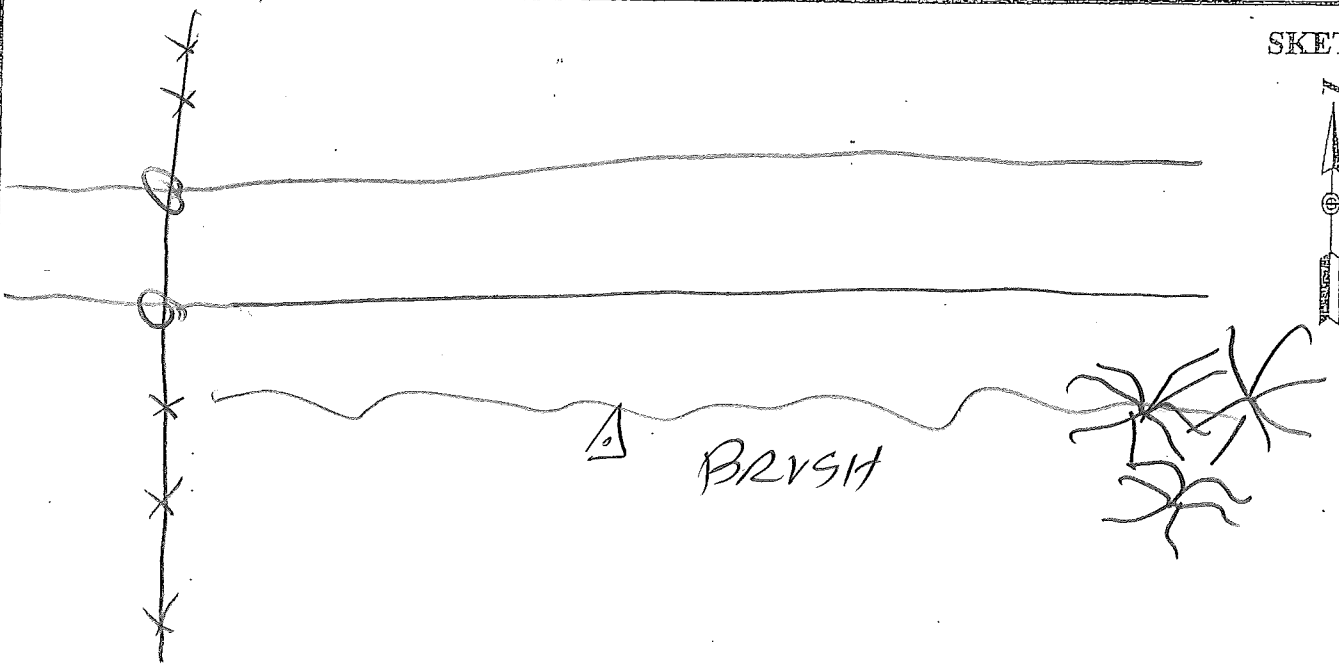
SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

PC

TIME	GDOP	SATELLITES
0008	2.5	9/9-9
0038	2.4	9/9-9

SKETCH



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

BRUSH

PROJECT 111105
 OPERATOR WIN
 DATE 3/01/12

SITE NUMBER 8
 SITE NAME 1403

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 14:52
 STOP 15 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: TREES E-W

HEIGHT READINGS MTS FT
1.210 _____

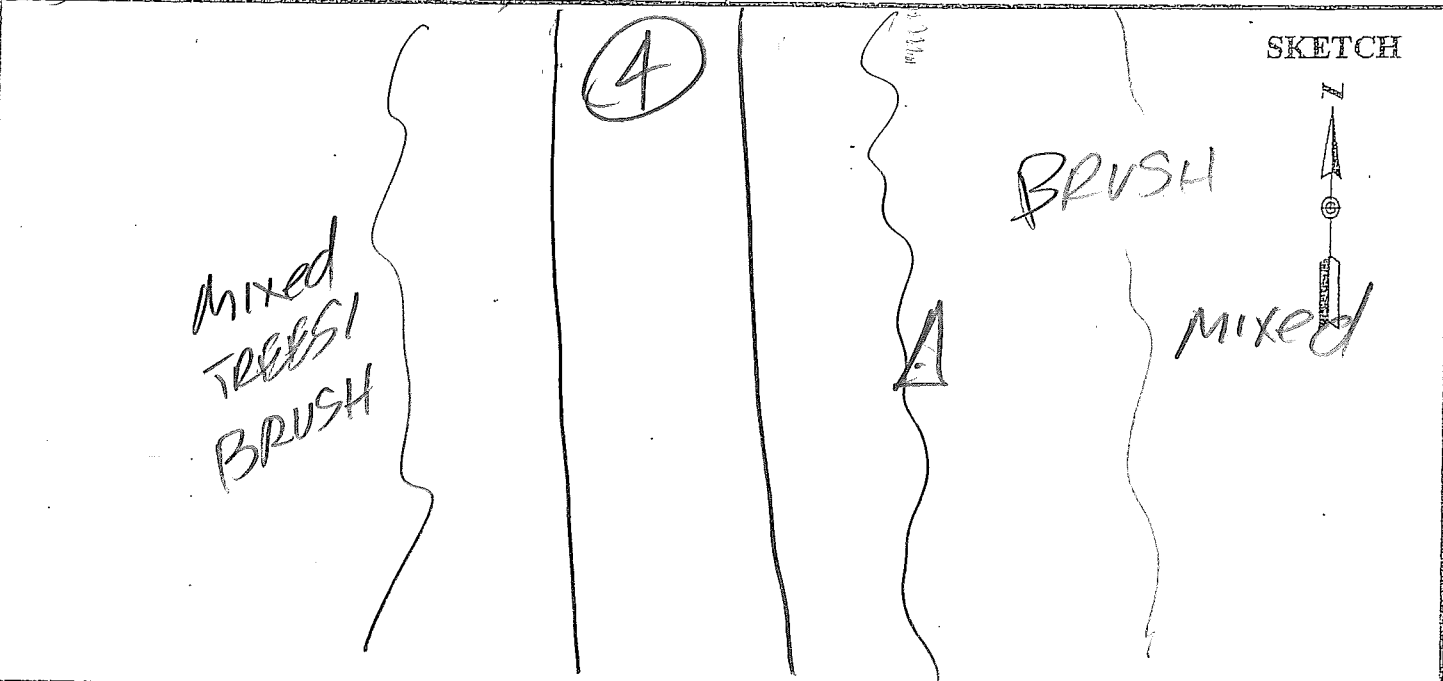
STATION DESCRIPTIONS POINT IN BRUSH IN E. RW OF RTE. 4

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0452	2.2	9/9-9
0522	2.3	9/9-9

PC



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

BRUSH

PROJECT 111105
 OPERATOR WJN
 DATE 3/02/12

SITE NUMBER 7
 SITE NAME 1404

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 15:07
 STOP 15:59

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

OBSTRUCTIONS: PPL SW

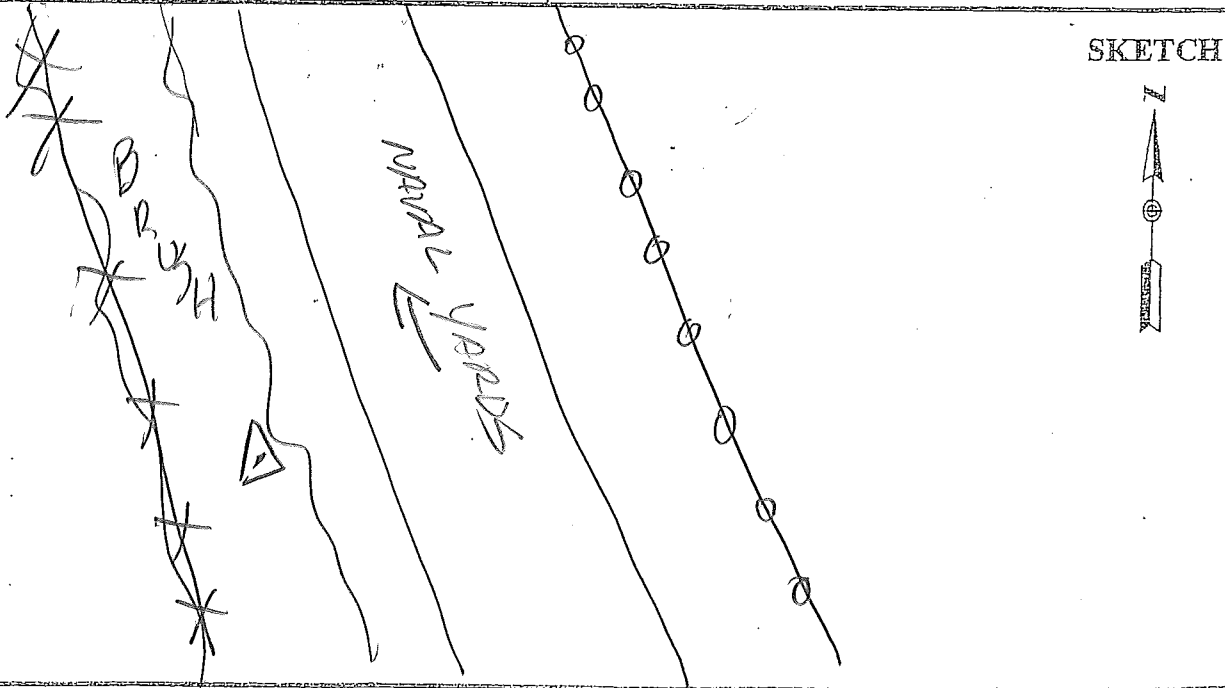
HEIGHT READINGS MTS FT
1.225 _____

STATION DESCRIPTIONS POINT IN BRUSH IN W R/W

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
5:07	2.0	8/8-9
5:59	2.4	9/8-9



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

BRUSH

PROJECT 111105
OPERATOR WJW
DATE 3/3/12

SITE NUMBER 5
SITE NAME 1405

TRACKING TIMES (LOCAL) MEASURE SMT +10
START 12:18
STOP 13:58

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 603
BATTERY NO. _____
CONTROLLER NO. _____
SENSOR NO. _____

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

OBSTRUCTIONS: TREES ALL QUADRANTS

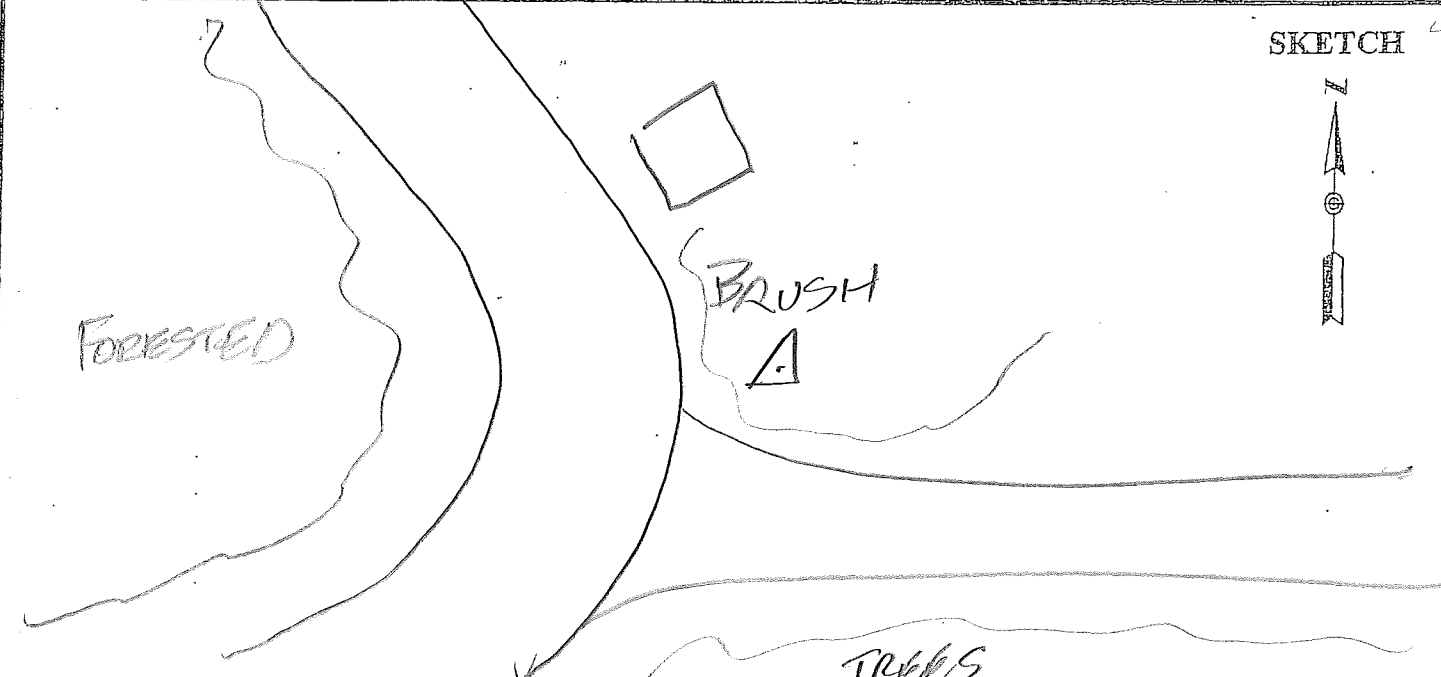
HEIGHT READINGS MTS FT
1.75 _____

STATION DESCRIPTIONS POINT IN BRUSH

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>3:18</u>	<u>2.8</u>	<u>8/8-9</u>
<u>3:58</u>	<u>2.6</u>	<u>8/8-8</u>



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

BRUSH

PROJECT 11105
 OPERATOR WIN
 DATE 3/3/12

SITE NUMBER 6
 SITE NAME 1406

TRACKING TIMES (LOCAL) MEASURE GMT+6
 START 14:37
 STOP _____

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 603
 BATTERY NO. _____
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: TREES N,
W

HEIGHT READINGS MTS FT
1.165 _____

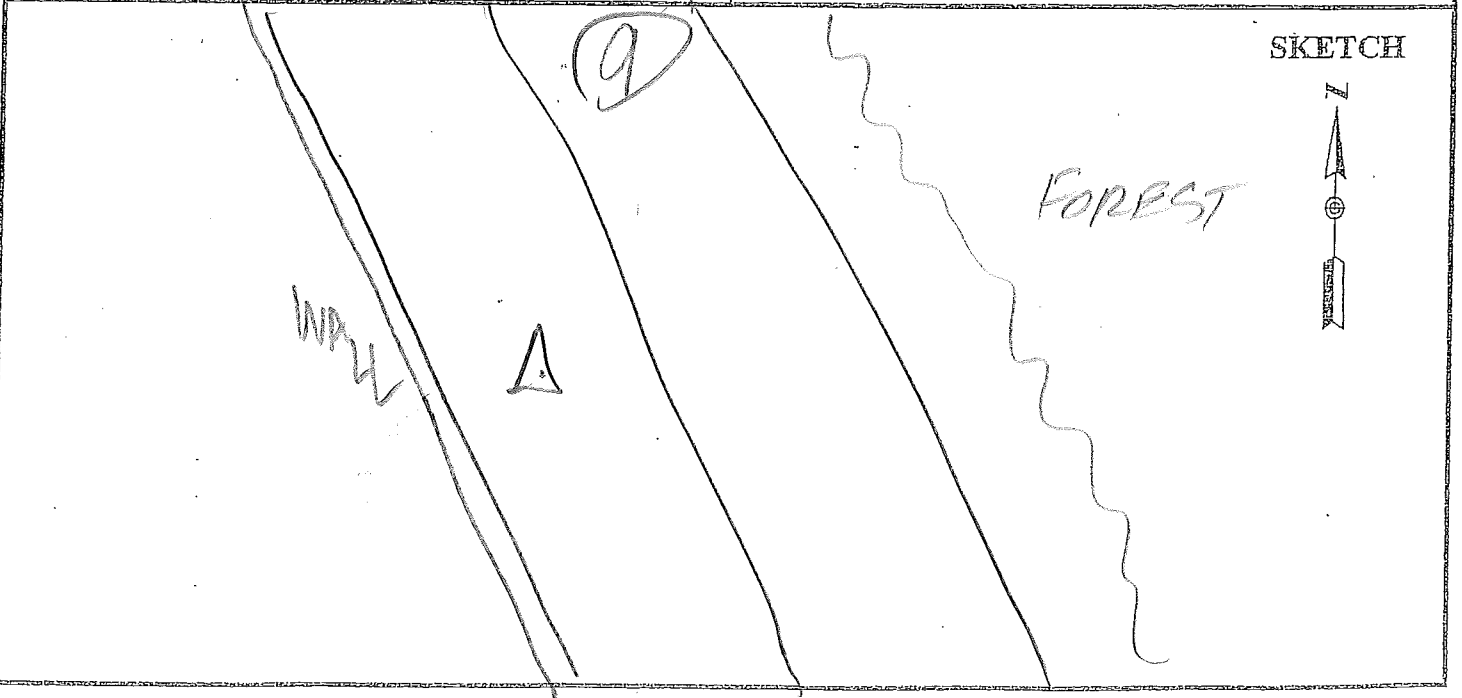
STATION DESCRIPTIONS POINT IN
SHORT BRUSH IN
S. R/W OF RD

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
437	1.7	9/9-9

MC becoming OVC



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

BRUSH

PROJECT 111105
OPERATOR WJN
DATE 3/4/12

SITE NUMBER 2
SITE NAME 1407

TRACKING TIMES (LOCAL) MEASURE GMT +10
START 8:30
STOP 9:07

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: TREES ALL QUADRANTS

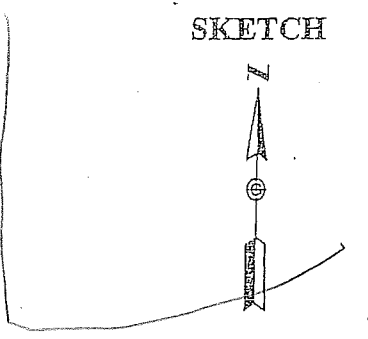
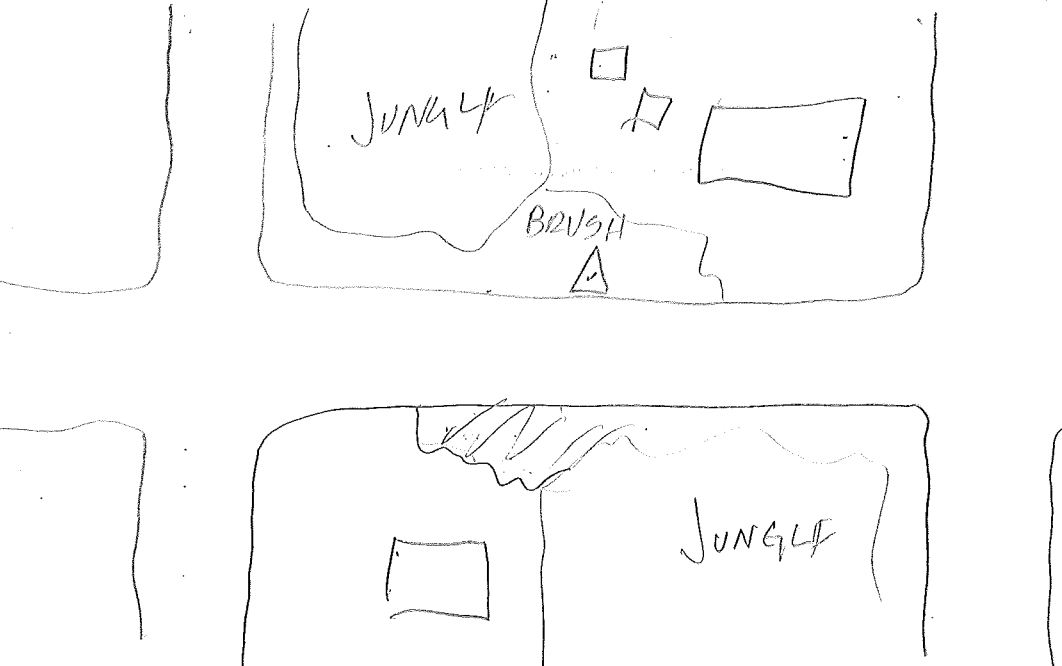
HEIGHT READINGS MTS FT
1160 _____

STATION DESCRIPTIONS POINT IN BRUSH IN N. RW OF E-W RD

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
22:30	2.4	8/8-8
23:07	2.0	9/9-9



SKETCH

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

PROJECT 111105
OPERATOR WIN
DATE 3/4/12

SITE NUMBER 8
SITE NAME 1408

TRACKING TIMES (LOCAL) MEASURE GMT+10
START 14 23
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~~

OBSTRUCTIONS: PPL NF
TREES E, W, S

HEIGHT READINGS MTS FT
1.255 _____

STATION DESCRIPTIONS POINT IN
BUSH SF OF INT.
IN R/W

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>4 23</u>	<u>2.4</u>	<u>8/8-8</u>
<u>5 00</u>	<u>2.8</u>	<u>8/8-8</u>



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

PROJECT 111105
OPERATOR WJN
DATE 3/5/12

SITE NUMBER 6
SITE NAME 1409

TRACKING TIMES (LOCAL) MEASURE GMT+10
START 13:39
STOP 14:24

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: NO

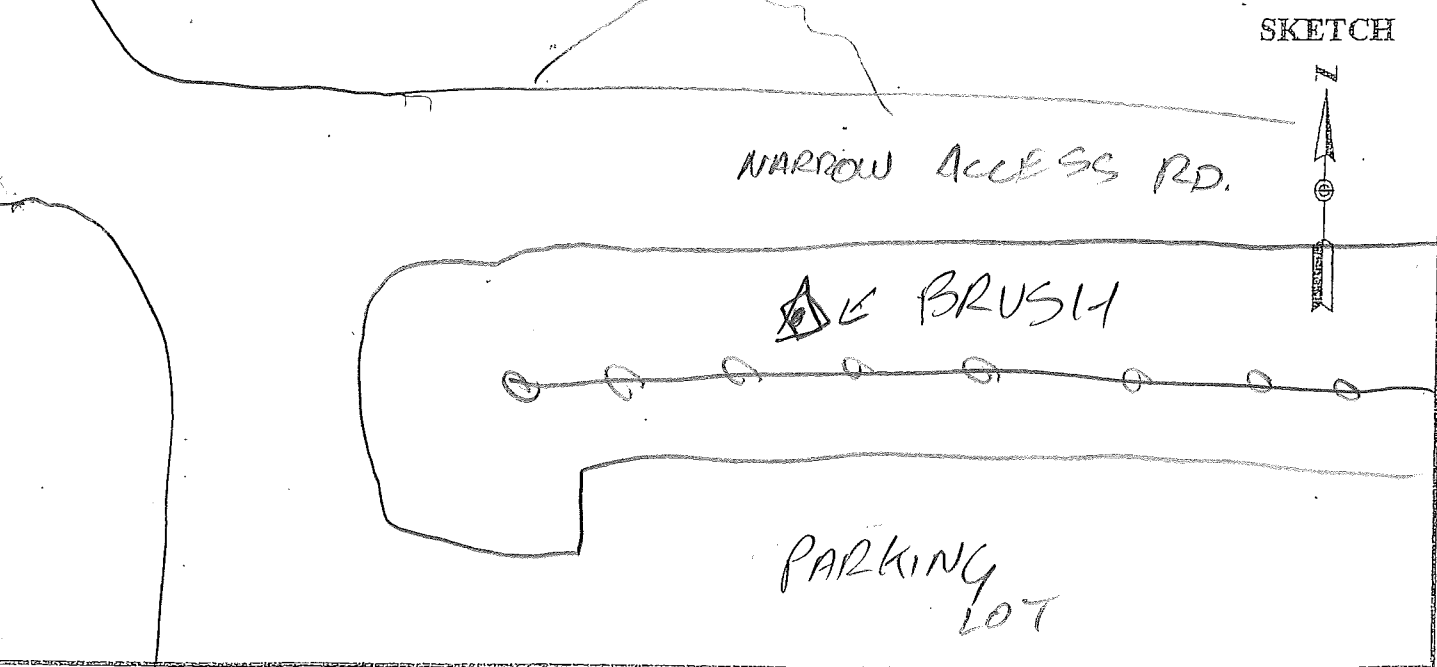
HEIGHT READINGS MTS FT
1.175 _____

STATION DESCRIPTIONS POINT 1A
BRUSH

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>3:39</u>	<u>2.6</u>	<u>8/8-8</u>
<u>4:24</u>	<u>2.7</u>	<u>8/8-8</u>



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

BRUSH

PROJECT 111105
 OPERATOR WJN
 DATE 3/6/12

SITE NUMBER 8
 SITE NAME 1410

TRACKING TIMES (LOCAL) MEASURE GMT+410
 START 13:34
 STOP 14:06

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

OBSTRUCTIONS: APLS A/E,
SW

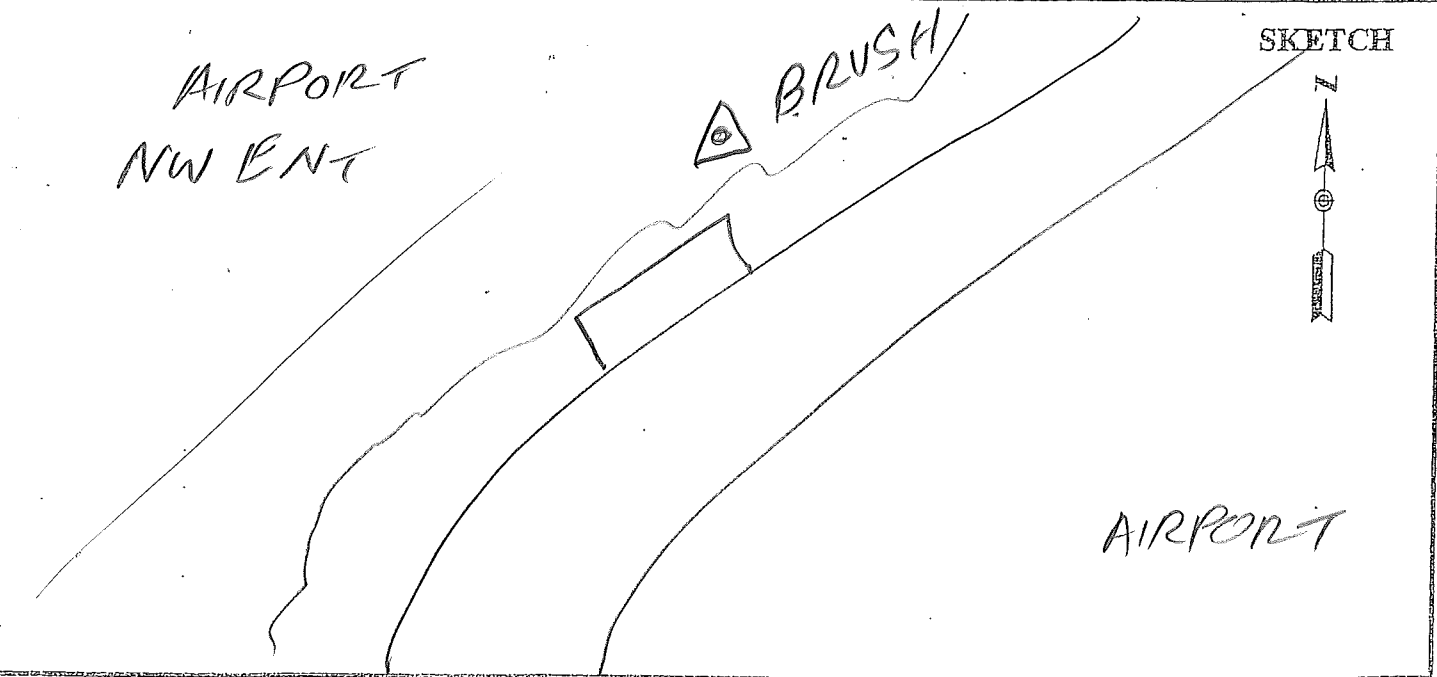
HEIGHT READINGS MTS FT
1.255 _____

STATION DESCRIPTIONS POINT IN
BRUSH IN N. R/W
R.D.

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>3 34</u>	<u>2.0</u>	<u>9/9-9</u>
<u>4 06</u>	<u>2.9</u>	<u>8/8-8</u>



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

woods ✓

PROJECT 111105
 OPERATOR MB
 DATE 2.29.12

SITE NUMBER 5
 SITE NAME 501

TRACKING TIMES (LOCAL) MEASURE
 START 11:43 a.
 STOP 12:13 p.

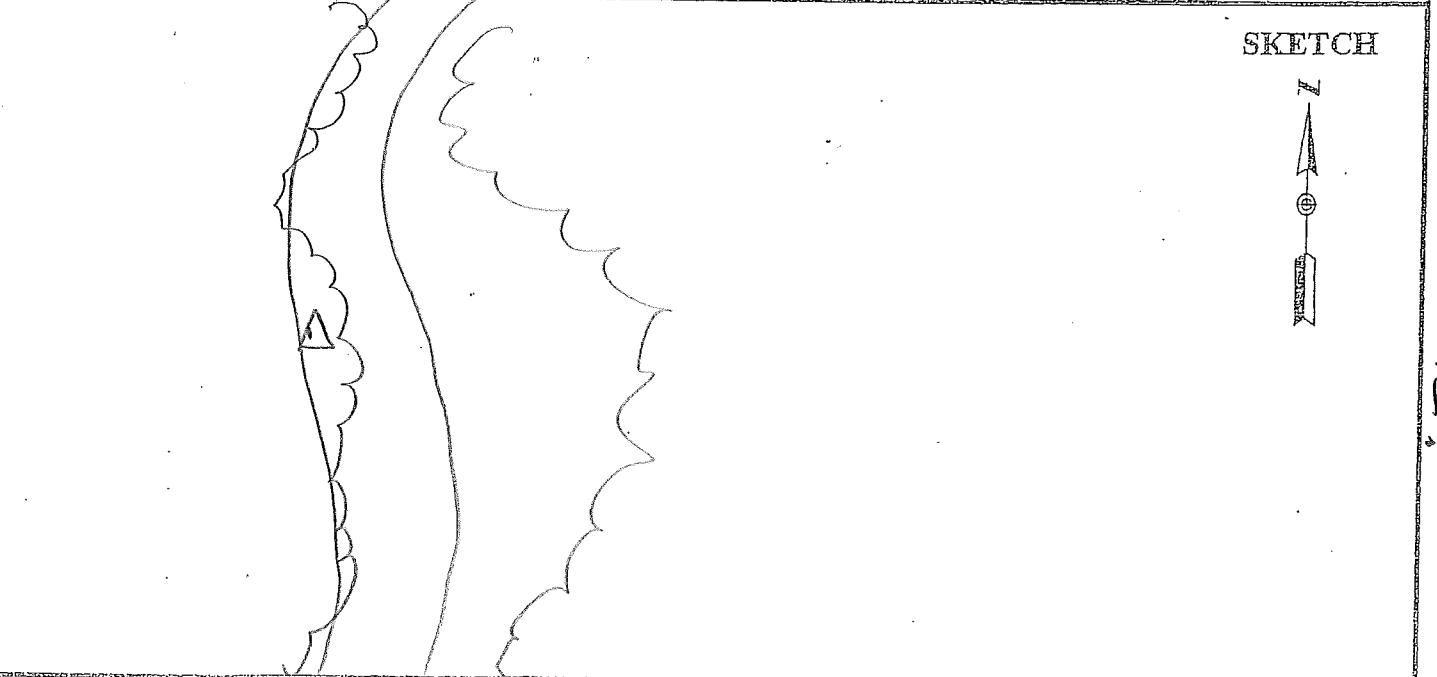
SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

SENSOR CONSTANT 299/399 0.441
 399E/9500 0.389
500 0.360
 HEIGHT READINGS MTS FT
1.354
 1714

OBSTRUCTIONS: trees above
 STATION DESCRIPTIONS w. side road

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
2043	3.6	7/7
8113		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



Not processed. Re-observed on 3-3-12.

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

trees PT

PROJECT <u>111105</u>	SITE NUMBER <u>1</u>
OPERATOR <u>NR</u>	SITE NAME <u>501</u>
DATE <u>3.3.12</u>	

TRACKING TIMES (LOCAL) MEASURE <input checked="" type="checkbox"/>	SENSOR TYPE <u>500</u> 9500 399 299
START <u>7:06</u>	MEMORY CARD <u>704</u>
STOP <u>8:21</u>	BATTERY NO. <u>CB</u>
	CONTROLLER NO. _____
	SENSOR NO. _____

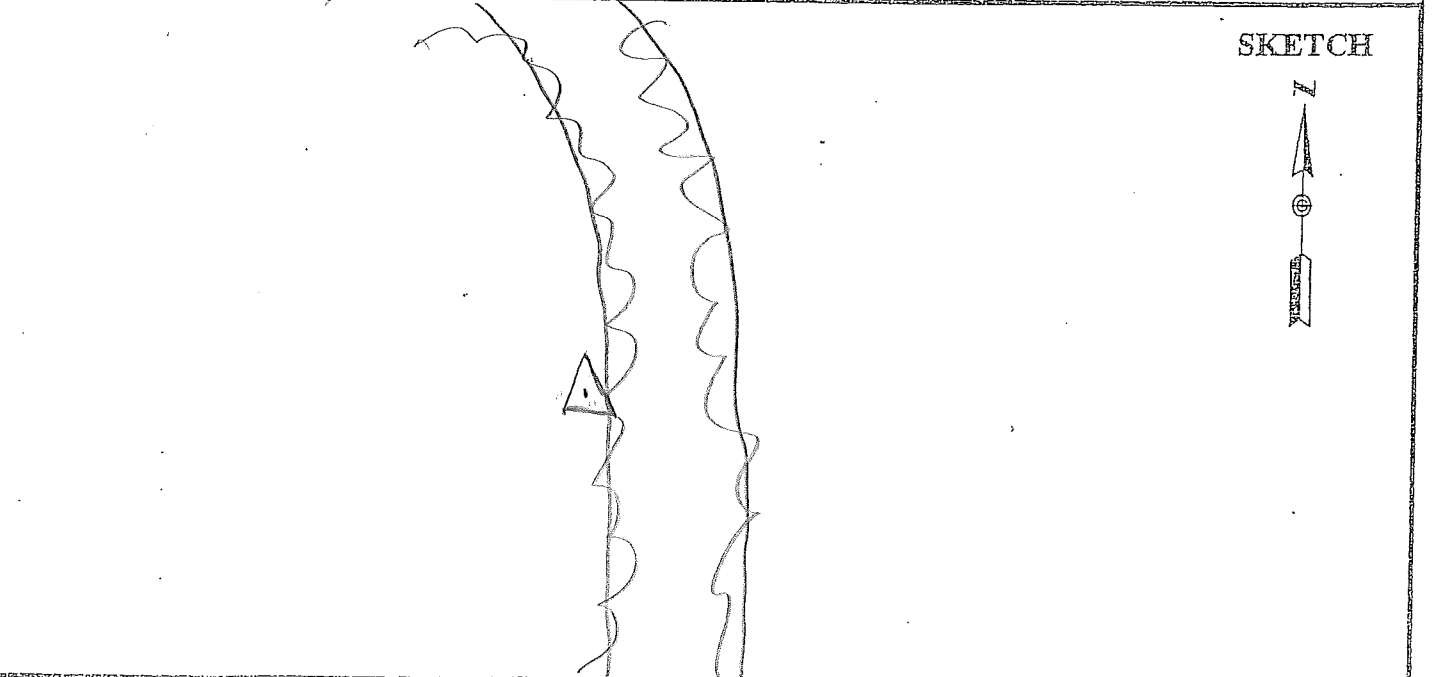
SENSOR CONSTANT	299/399 0.441	
	399E/9500 0.389	
	<u>500</u> <u>0.360</u>	
HEIGHT READINGS	MTS	FT
	<u>1.310</u>	_____
		<u>1700</u>

OBSTRUCTIONS: trees above

STATION DESCRIPTIONS W. of road

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
2126	4.6	4/6
2221	3.2	5/5

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

trees \sqrt{PT}

PROJECT 111105
OPERATOR MB
DATE 2.29.12

SITE NUMBER 11
SITE NAME 502

TRACKING TIMES (LOCAL) MEASURE
START 3:27 p
STOP 3:52 p

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

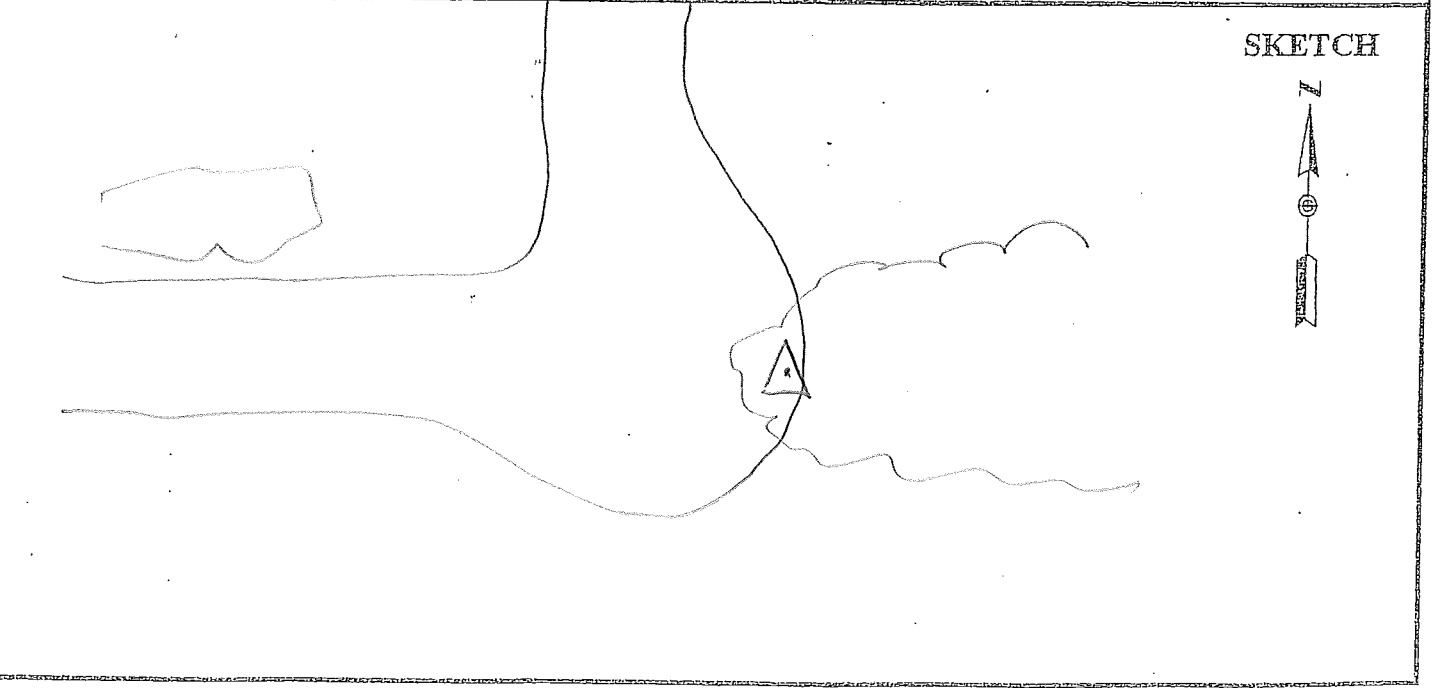
HEIGHT READINGS MTS FT
1.430 1.790

OBSTRUCTIONS: trees above

STATION DESCRIPTIONS E. side road

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
0027	4.8	4/5
0052		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

trees PT

PROJECT 111105
 OPERATOR MB
 DATE 3.1.12

SITE NUMBER 9
 SITE NAME 503

TRACKING TIMES (LOCAL) MEASURE
 START 2:29
 STOP 3:09

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

SENSOR CONSTANT 299/399 0.441
 399E/9500 0.389
 (500) (0.360)
 HEIGHT READINGS MTS FT
1.350 _____

OBSTRUCTIONS: trees above
 STATION DESCRIPTIONS sw side of road

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
0429	4.6	4/5
0509		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



Not processed.

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

trees ✓/AT

PROJECT 1111005
OPERATOR MB
DATE 3.2.12

SITE NUMBER 6
SITE NAME 504

TRACKING TIMES (LOCAL) MEASURE _____

START 12:43 p
STOP 1:28 p

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. 00
CONTROLLER NO. _____
SENSOR NO. _____

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

OBSTRUCTIONS: trees above

HEIGHT READINGS MTS FT
1.370 _____

STATION DESCRIPTIONS N. of road
near clearing

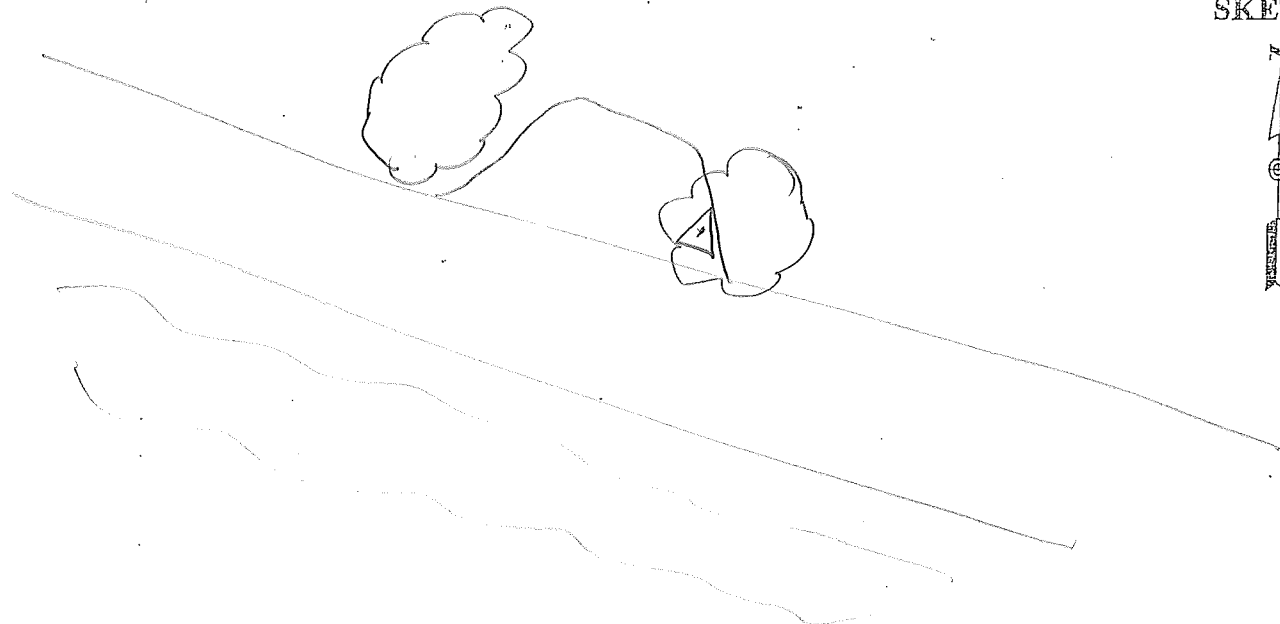
1.730

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0243	2.8	7/7
0328		

SKETCH



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

trees PT

PROJECT <u>111105</u>	SITE NUMBER <u>4</u>
OPERATOR <u>NB</u>	SITE NAME <u>505</u>
DATE <u>3.4.12</u>	

TRACKING TIMES (LOCAL) MEASURE <input checked="" type="checkbox"/>	SENSOR TYPE	500	9500	399	299
START <u>10:38 a.</u>	MEMORY CARD	<u>704</u>			
STOP <u>11:23 a.</u>	BATTERY NO.	<u>QB</u>			
	CONTROLLER NO.				
	SENSOR NO.				

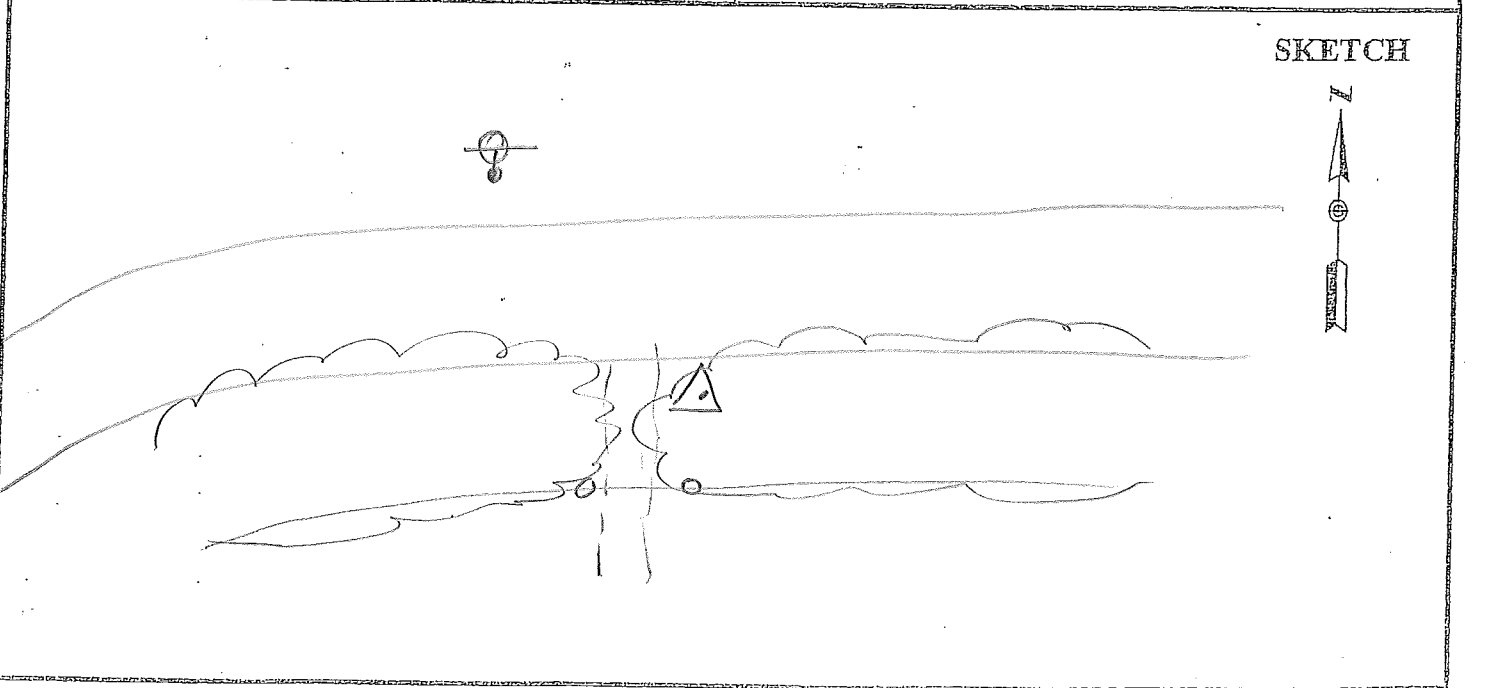
SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	<u>500</u>	<u>0.360</u>
HEIGHT READINGS	MTS	FT
	<u>1.395</u>	
		<u>1.755</u>

OBSTRUCTIONS: trees above

STATION DESCRIPTIONS S. side road

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
<u>0038</u>	<u>3.2</u>	
<u>0123</u>		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

trees AT

PROJECT 111105
 OPERATOR NB
 DATE 3.4.12

SITE NUMBER 1
 SITE NAME 506

TRACKING TIMES (LOCAL) MEASURE
 START 7:53a.
 STOP 8:38a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

HEIGHT READINGS MTS FT
1.379 _____

1739

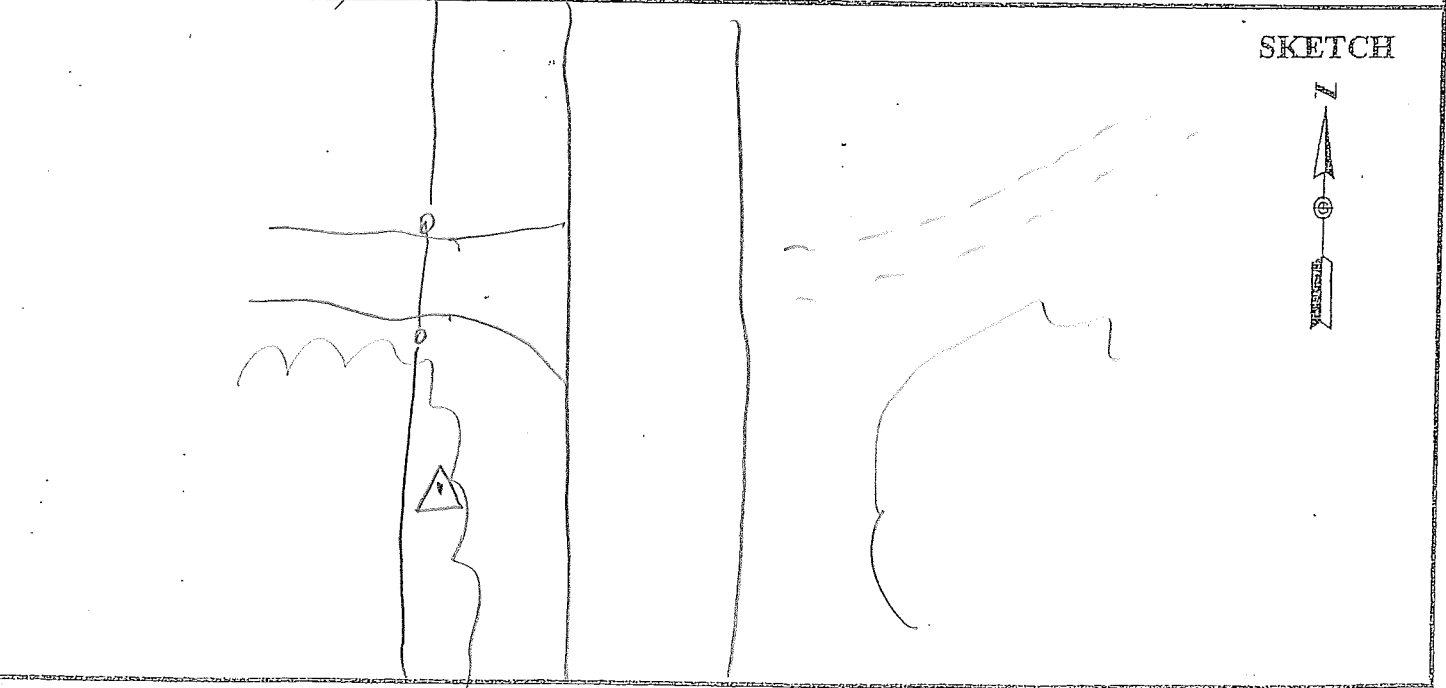
OBSTRUCTIONS: trees above

STATION DESCRIPTIONS in trees

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
2153	3.2	7/7
2238	1.8	9/9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

trees PT

PROJECT 111125
 OPERATOR MB
 DATE 3.5.12

SITE NUMBER 7
 SITE NAME 507

TRACKING TIMES (LOCAL) MEASURE
 START 2:34 p
 STOP 3:19 p

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: trees above

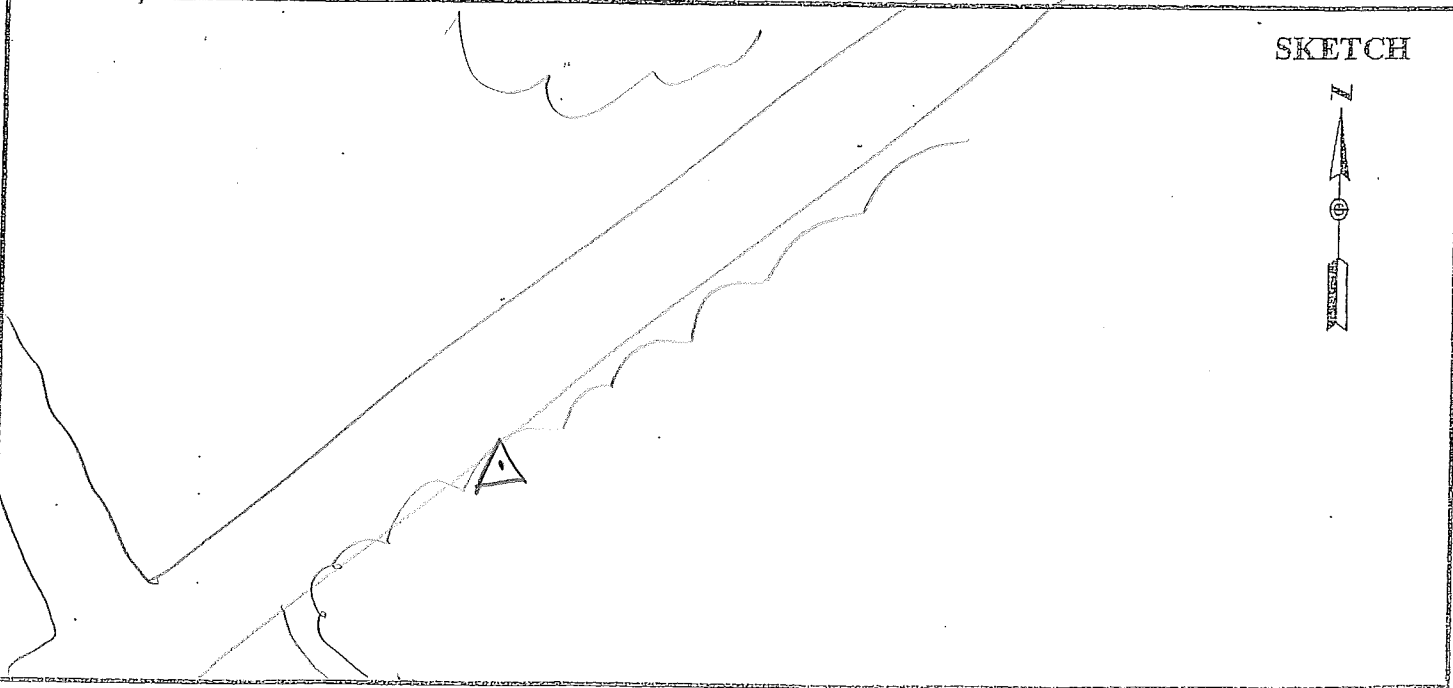
HEIGHT READINGS MTS FT
1.455
1.815

STATION DESCRIPTIONS SE side road

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0434	4.4	6/6
0519		



SKETCH

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

trees AT

PROJECT 111105
 OPERATOR MB
 DATE 3.6.12

SITE NUMBER 3
 SITE NAME 508

TRACKING TIMES (LOCAL) MEASURE _____
 START 9:43 a.
 STOP 10:28 a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

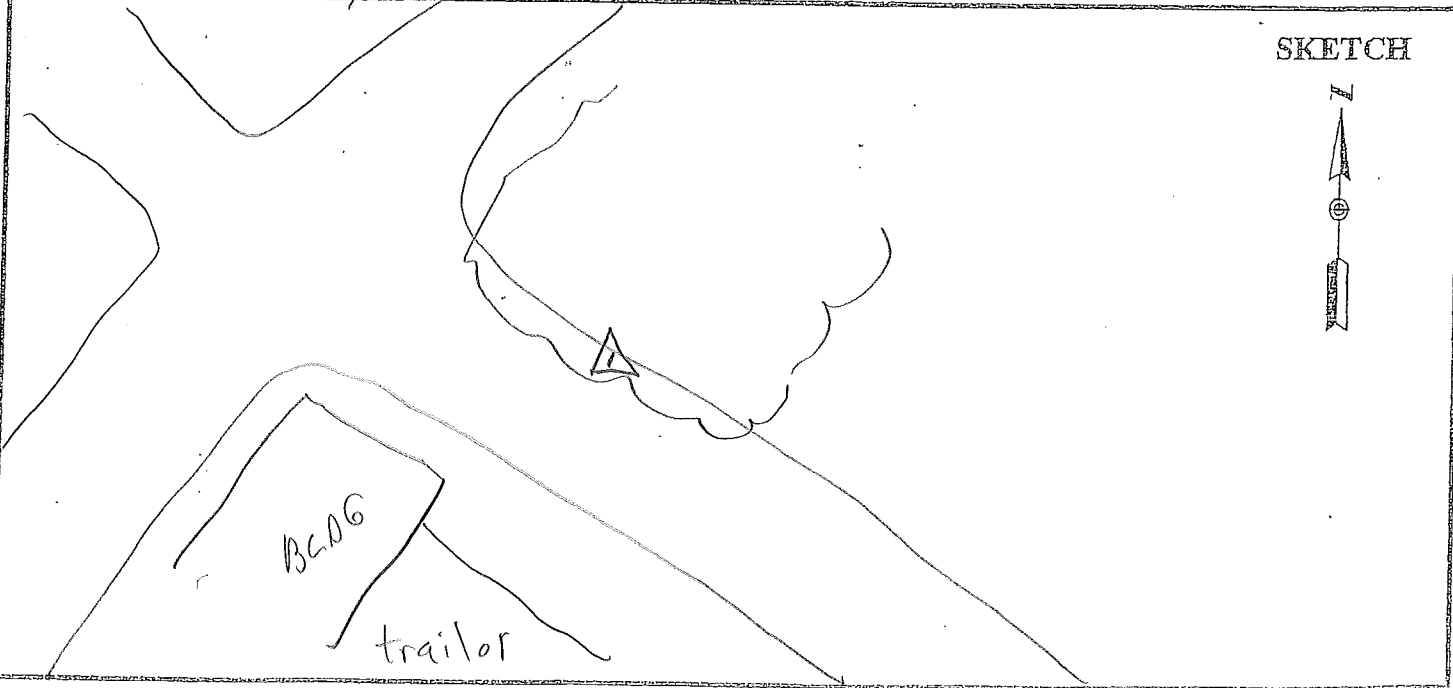
SENSOR CONSTANT 299/399 0.441
 399E/9500 0.389
500 0.360
 HEIGHT READINGS MTS FT
1.339 _____
 .699

OBSTRUCTIONS: trees above
 STATION DESCRIPTIONS NE side road

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
2343	2.8	6/7
0028	8.5	5/5

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

trees ✓PT

PROJECT 111105
OPERATOR MS
DATE 3.7.12

SITE NUMBER 5
SITE NAME 509

TRACKING TIMES (LOCAL) MEASURE _____

START 11:14 p
STOP 11:59 p

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

OBSTRUCTIONS: trees above

HEIGHT READINGS MTS FT
1.378 _____

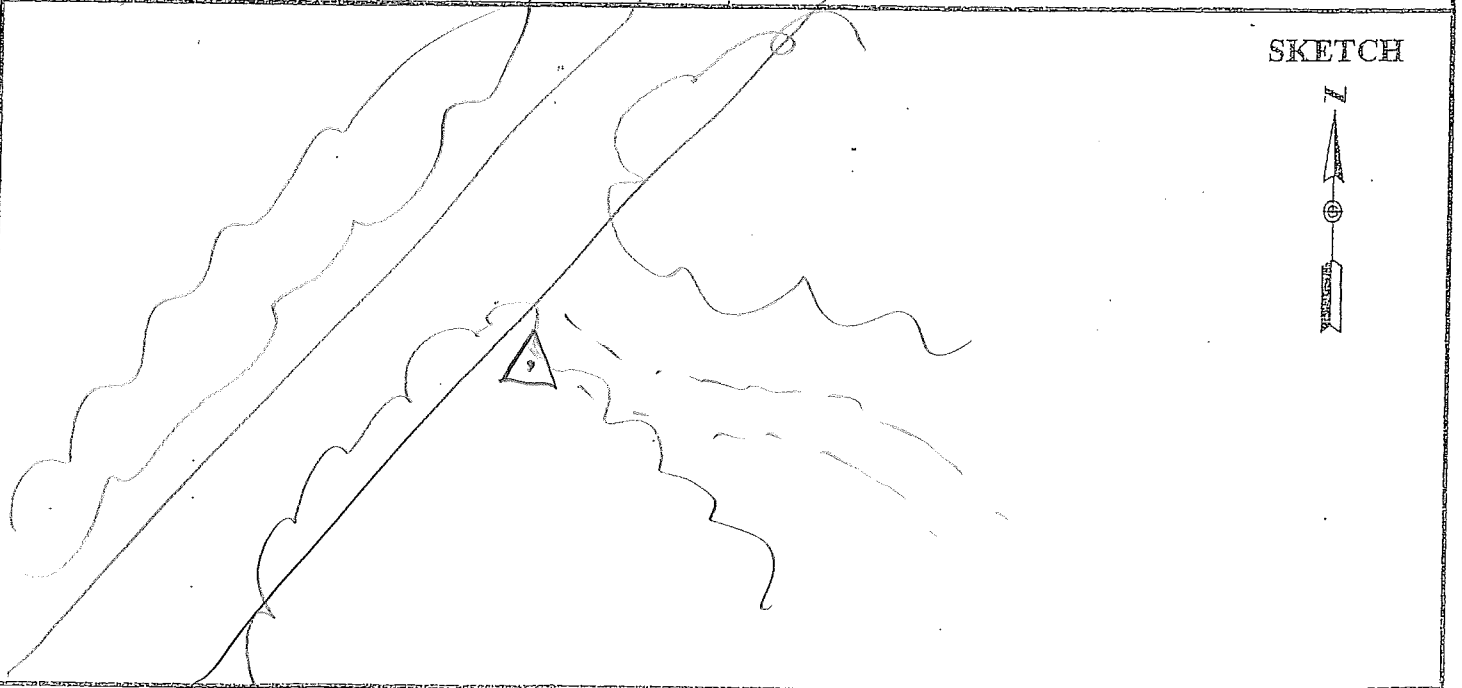
STATION DESCRIPTIONS SE side of road

1.738

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>0114</u>	<u>3.6</u>	<u>7/7</u>
<u>0159</u>		



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

trees *PT*

PROJECT 111105
OPERATOR MP
DATE 3.8.12

SITE NUMBER 6
SITE NAME 510

TRACKING TIMES (LOCAL) MEASURE

START 12:25p
STOP 1:10p

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

OBSTRUCTIONS: trees above

HEIGHT READINGS MTS FT
1.325 _____

STATION DESCRIPTIONS SW of road

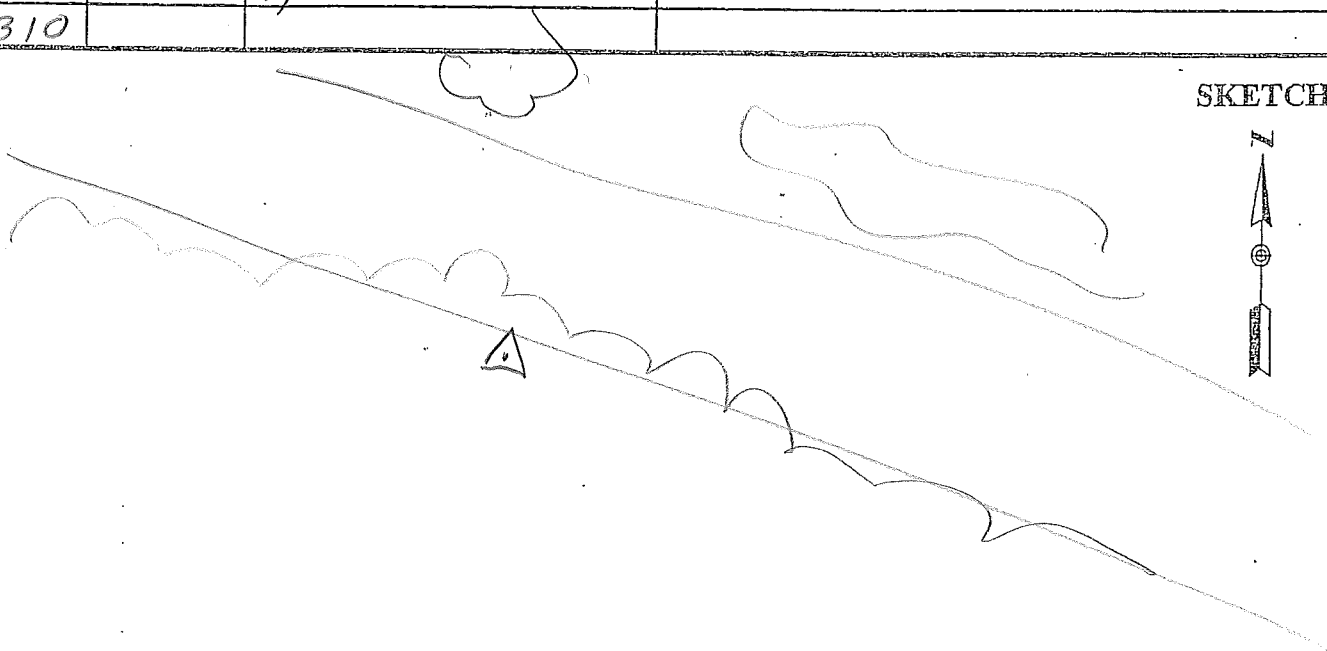
1685

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>0225</u>	<u>3.4</u>	<u>7/7</u>
<u>0310</u>		

SKETCH



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

FOREST

PROJECT 111105
 OPERATOR UJN
 DATE 2/29/11

SITE NUMBER 7
 SITE NAME 1501

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 13:11
 STOP 13:34

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: TREES ALL
QUADRANTS

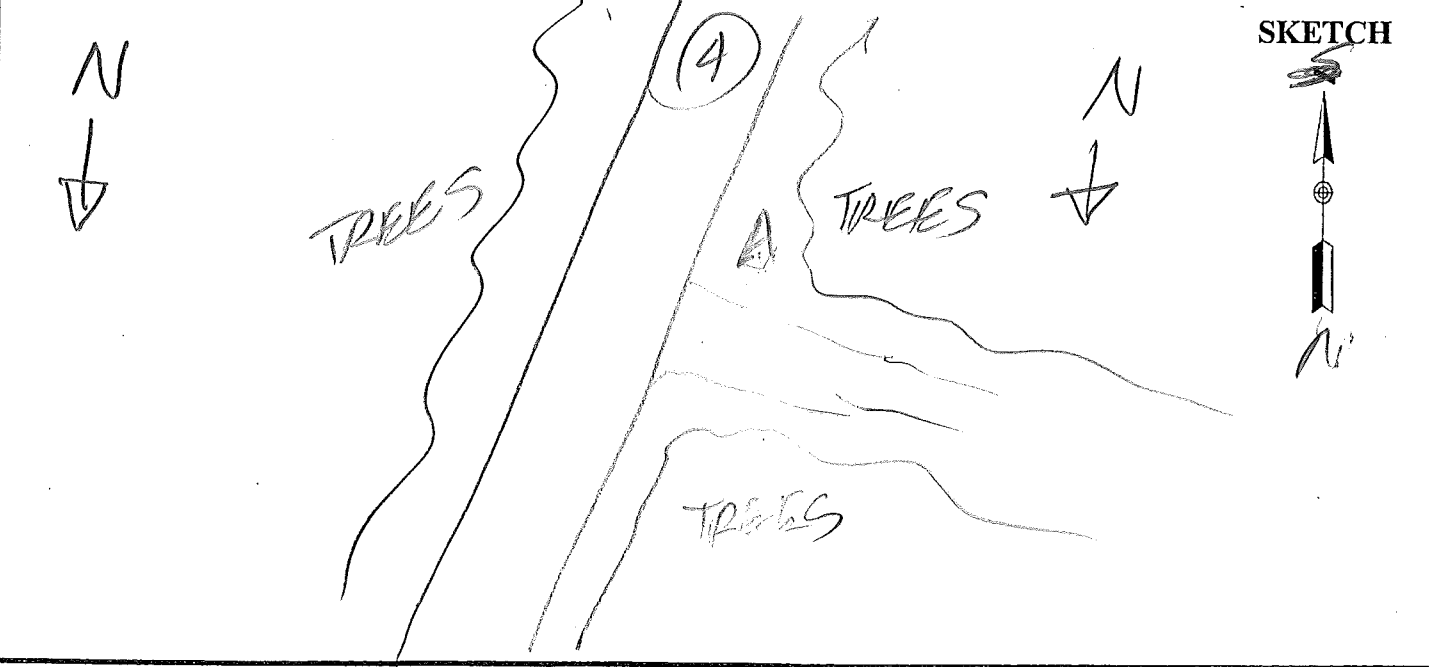
HEIGHT READINGS MTS FT
 1.237 _____

STATION DESCRIPTIONS POINT IN
WOODED AREA IN
E R/W

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
03:11	3.3	7/7-10
03:34	3.2	7/7-10



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

Wooded

PROJECT <u>111105</u>	SITE NUMBER <u>3</u>
OPERATOR <u>WJN</u>	SITE NAME <u>1502</u>
DATE <u>3/1/12</u>	

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE <u>500</u> 9500 399 299
START <u>10:52</u>	MEMORY CARD <u>14</u>
STOP <u>11:27</u>	BATTERY NO. _____
	CONTROLLER NO. _____
	SENSOR NO. _____

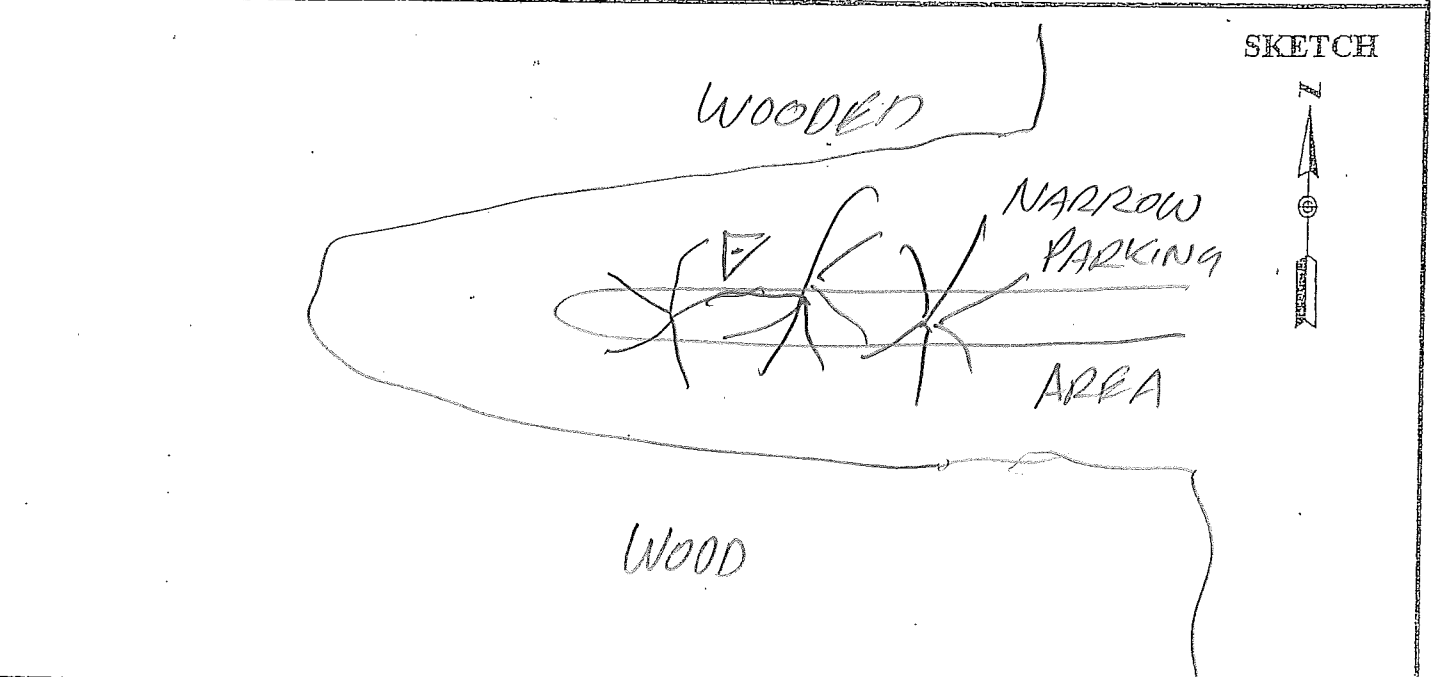
SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	<u>0.360</u>
HEIGHT READINGS	MTS	FT
	<u>1.290</u>	_____

OBSTRUCTIONS: TREES ALL
QUADRANTS

STATION DESCRIPTIONS POINT IN
WOODEN PARK

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
<u>0052</u>	<u>2.9</u>	<u>9/9-10</u>
<u>0127</u>	<u>3.3</u>	<u>8/8-9</u>

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
MC



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

TREES

PROJECT 111105
 OPERATOR WJN
 DATE 3/1/12

SITE NUMBER 9
 SITE NAME 1503

TRACKING TIMES (LOCAL) MEASURE GMT +10
 START 15:35
 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

OBSTRUCTIONS: TREES ALL
QUADRANTS

HEIGHT READINGS MTS FT
1.225

STATION DESCRIPTIONS POINT IN
WOODED AREA IN E.
R/W., SE OF INT.

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
SKC

TIME	GDOP	SATELLITES
<u>0535</u>	<u>2.4</u>	<u>8/9-9</u>
<u>0600</u>	<u>2.0</u>	<u>9/9-9</u>



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

PROJECT <u>111105</u>	SITE NUMBER <u>6</u>
OPERATOR <u>MM</u>	SITE NAME <u>1504</u>
DATE <u>3/02/12</u>	

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE <u>500</u> 9500 399 299
START <u>14:10</u>	MEMORY CARD <u>14</u>
STOP <u>14:58</u>	BATTERY NO. _____
	CONTROLLER NO. _____
	SENSOR NO. _____

SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	<u>0.360</u>
HEIGHT READINGS	MTS	FT
	<u>1.230</u>	_____

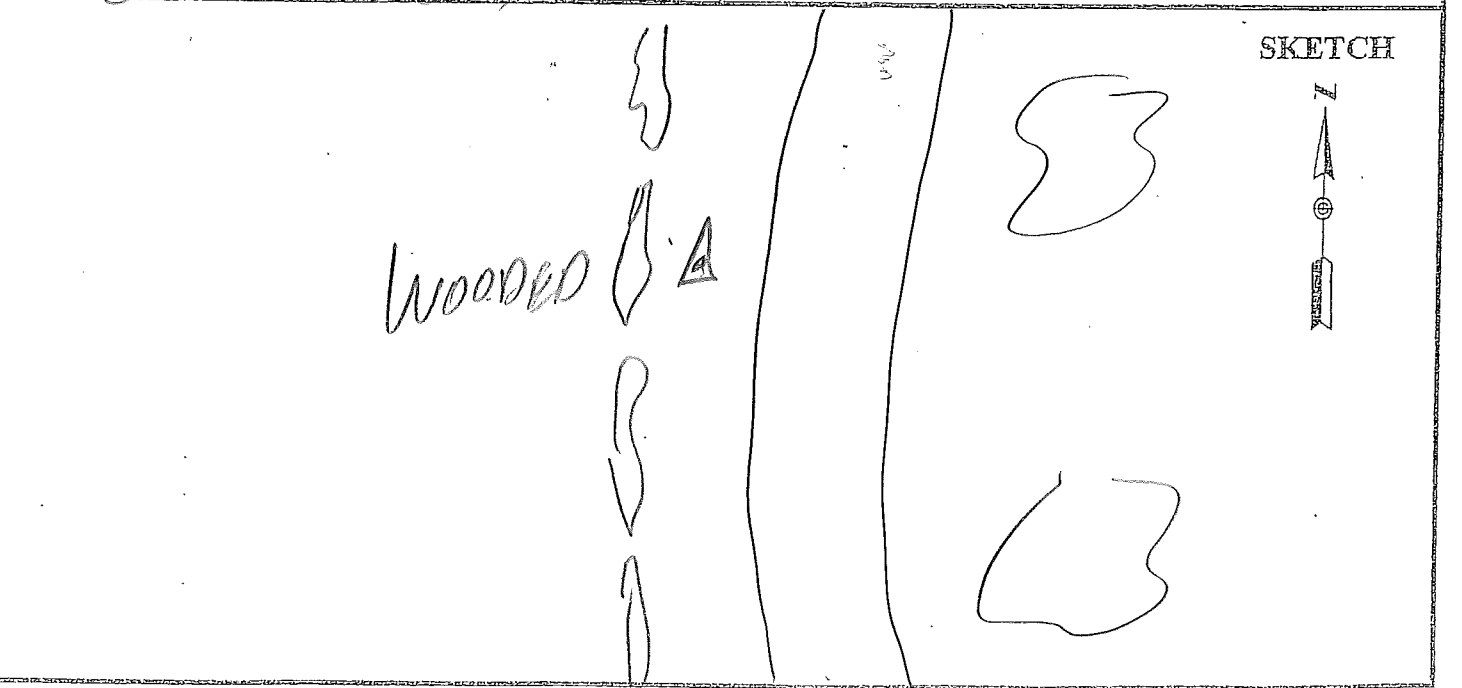
OBSTRUCTIONS: TREES ALL QUADRANTS

STATION DESCRIPTIONS POINT IN WOODED AREA IN TOWN OF SANTA RIA, IN W. R/W OF RD.

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
4:10	2.8	8/8-9
4:58	1.8	8/3-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

PC



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

WOODS

PROJECT 111105
 OPERATOR WJW
 DATE 111105
 SITE NUMBER 1
 SITE NAME 1505

TRACKING TIMES (LOCAL) MEASURE GMT +10
 START 9:56
 STOP 10:30
 SENSOR TYPE 500 9500 399 299
 MEMORY CARD 603
 BATTERY NO. _____
 CONTROLLER NO. _____
 SENSOR NO. _____

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

HEIGHT READINGS MTS FT
 1.185 _____
 1.210 _____

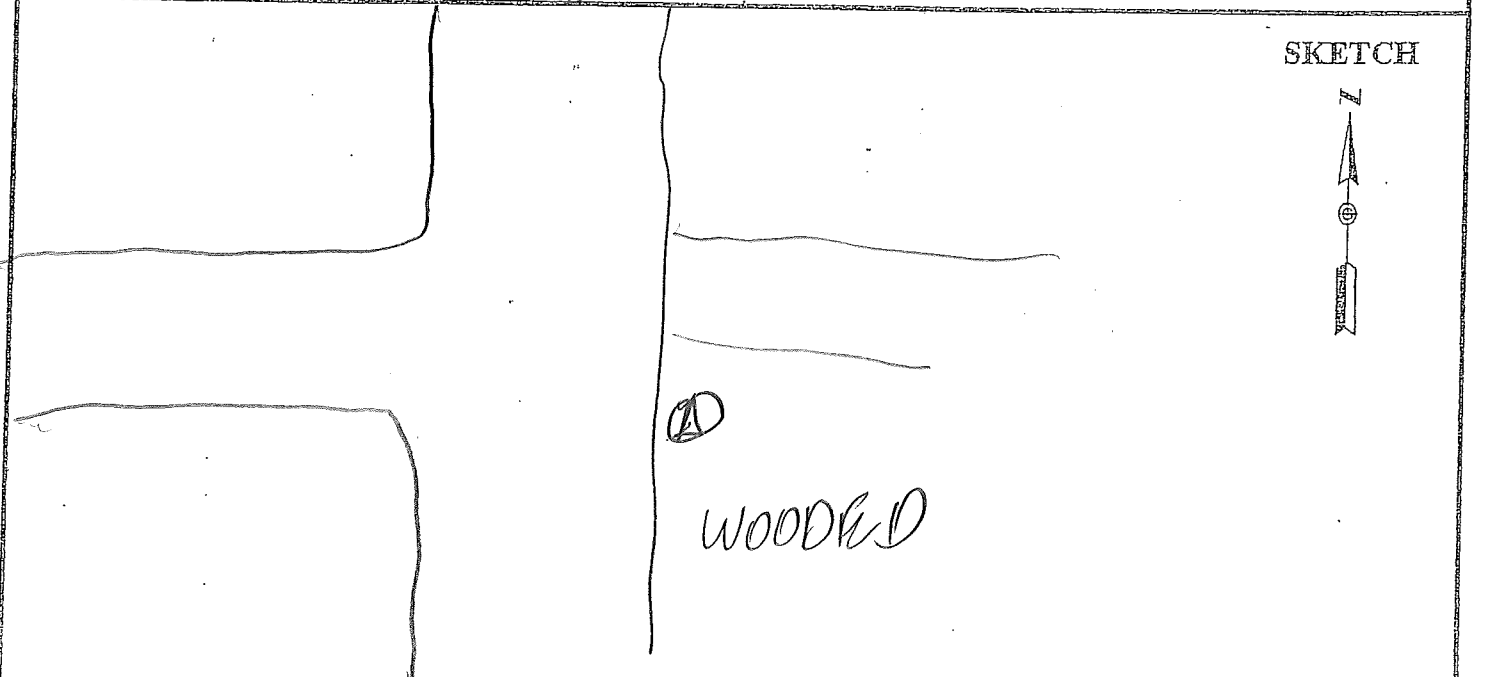
OBSTRUCTIONS: TREES

STATION DESCRIPTIONS POINT IN
WOODED AREA, @
CENTER OF MANHOLE

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
2356	2.1	9/9-9
0030	3.1	9/8-8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



DAVID EATON PLS
 671-647-0809

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

WOODS

PROJECT 111105
 OPERATOR UNN
 DATE 3/3/12

SITE NUMBER 8
 SITE NAME 1500

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 15:08
 STOP 15:38

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 603
 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
1.211 _____

STATION DESCRIPTIONS POINT IN
WOODED AREA IN
SW R/W

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

RAIN

TIME	GDOP	SATELLITES
<u>5:08</u>	<u>2.8</u>	<u>7/7-9</u>
<u>5:38</u>	<u>2.7</u>	<u>8/8-9</u>

SKETCH



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

TREES

PROJECT	<u>111105</u>	SITE NUMBER	<u>5</u>
OPERATOR	<u>WJN</u>	SITE NAME	<u>1507</u>
DATE	<u>3/4/12</u>		

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE	<u>500</u>	9500	399	299
START	MEMORY CARD				
STOP	BATTERY NO.				
	CONTROLLER NO.				
	SENSOR NO.				

SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	<u>0.360</u>
HEIGHT READINGS	MTS	FT
	<u>1.163</u>	

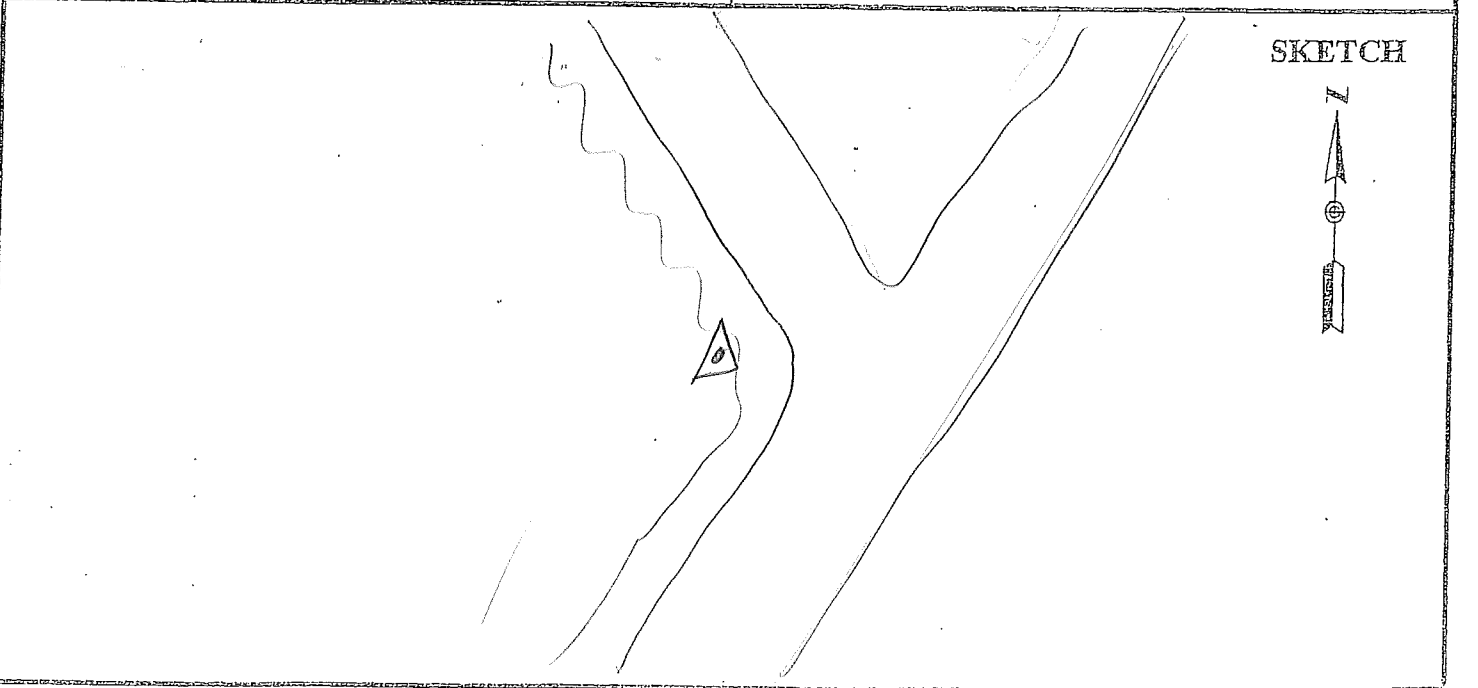
OBSTRUCTIONS: TREES ALL

STATION DESCRIPTIONS POINT IN FOREST AREA W. OF INT IN R/W

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
<u>0137</u>	<u>2.7</u>	<u>7/7-9</u>
<u>0222</u>	<u>2.6</u>	<u>8/8-9</u>

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC



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

TREES

PROJECT 111105
 OPERATOR WJN
 DATE 3/6/12

SITE NUMBER 3
 SITE NAME 1508

TRACKING TIMES (LOCAL) MEASURE SMT+10
 START 9:32
 STOP 10:04

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)

OBSTRUCTIONS: TREES

HEIGHT READINGS MTS FT
1.261 _____

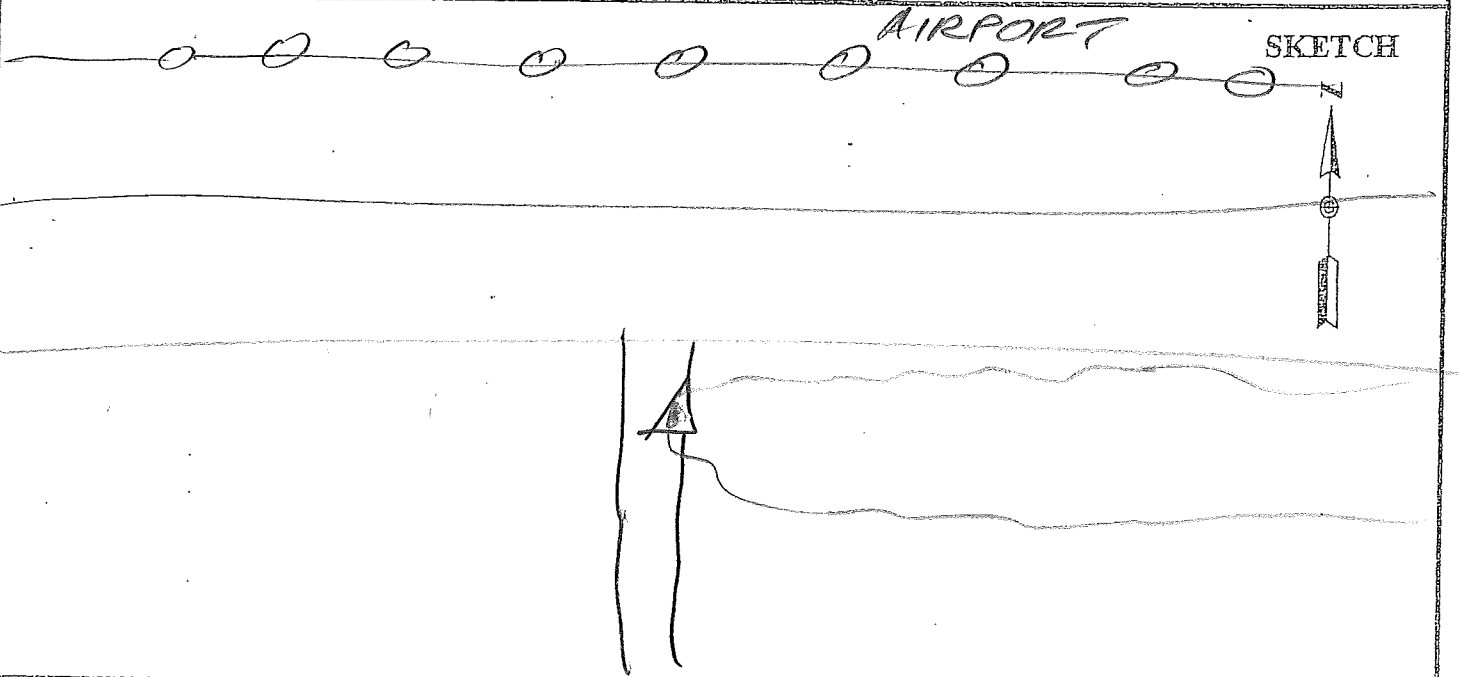
STATION DESCRIPTIONS POINT IN
TREES IN S R/W
RD.

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC

TIME	GDOP	SATELLITES
2332	1.9	10/10-10
00:04	2.4	8/8-8



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

WOODS

PROJECT 111105
 OPERATOR WJA
 DATE 3/6/12

SITE NUMBER 10
 SITE NAME 1509

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 15:11
 STOP 15:46

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
1.092

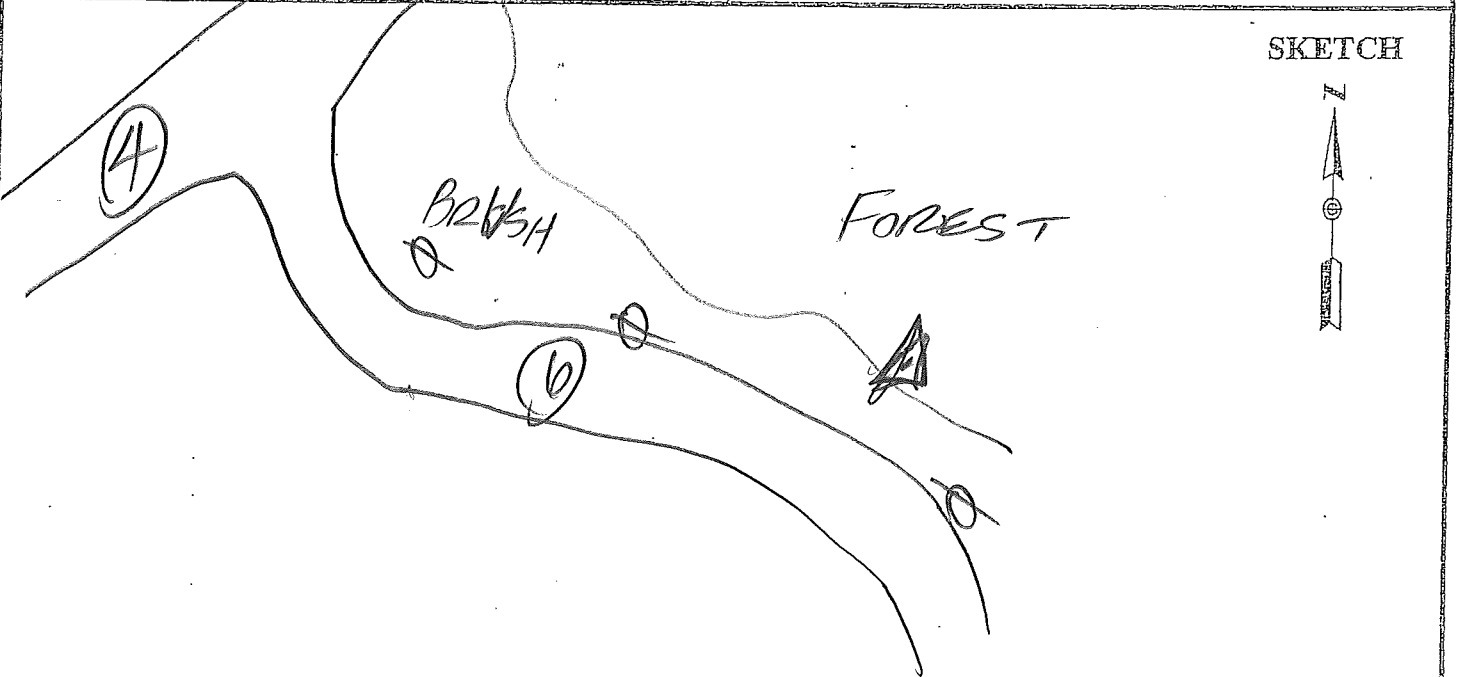
STATION DESCRIPTIONS POINT
IN FORESTED AREA

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
5:11	2.8	9/8-9
5:46	2.8	8/8-9

MC



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

TREES

PROJECT 111105
 OPERATOR UNIN
 DATE 3/7/12

SITE NUMBER 4
 SITE NAME 1510

TRACKING TIMES (LOCAL) MEASURE GMT 170
 START 10 16
 STOP 11:01

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: COCONUT TREES
ALL QUADRANTS

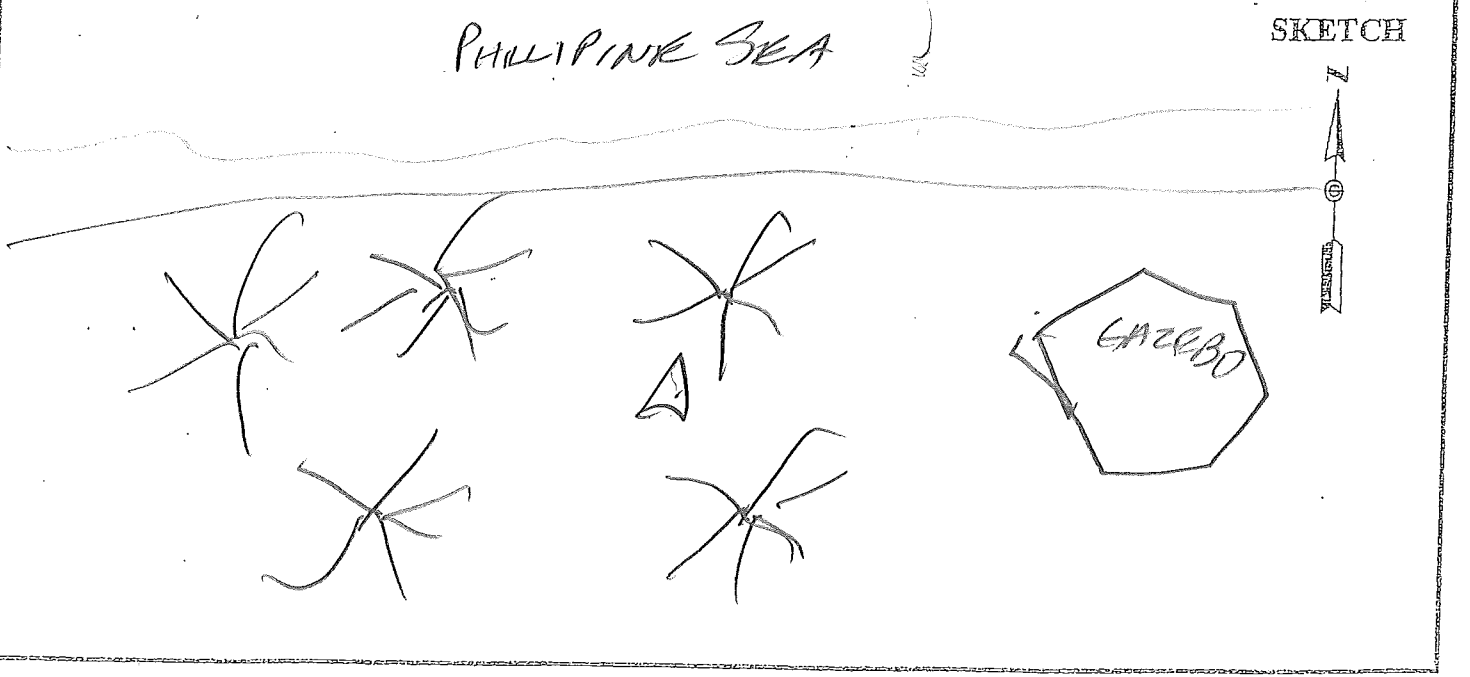
HEIGHT READINGS MTS FT
1.177 _____

STATION DESCRIPTIONS POINT IN
COCONUT GROVE

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0016	3.5	8/8-9
0101	2.7	8/8-9



AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53085

PROJECT 111105
OPERATOR UNIN
DATE 3/7/

SITE NUMBER 1
SITE NAME 1511

TRACKING TIMES (LOCAL) MEASURE GMT + 10
START 7:59
STOP 8:36

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: TREES

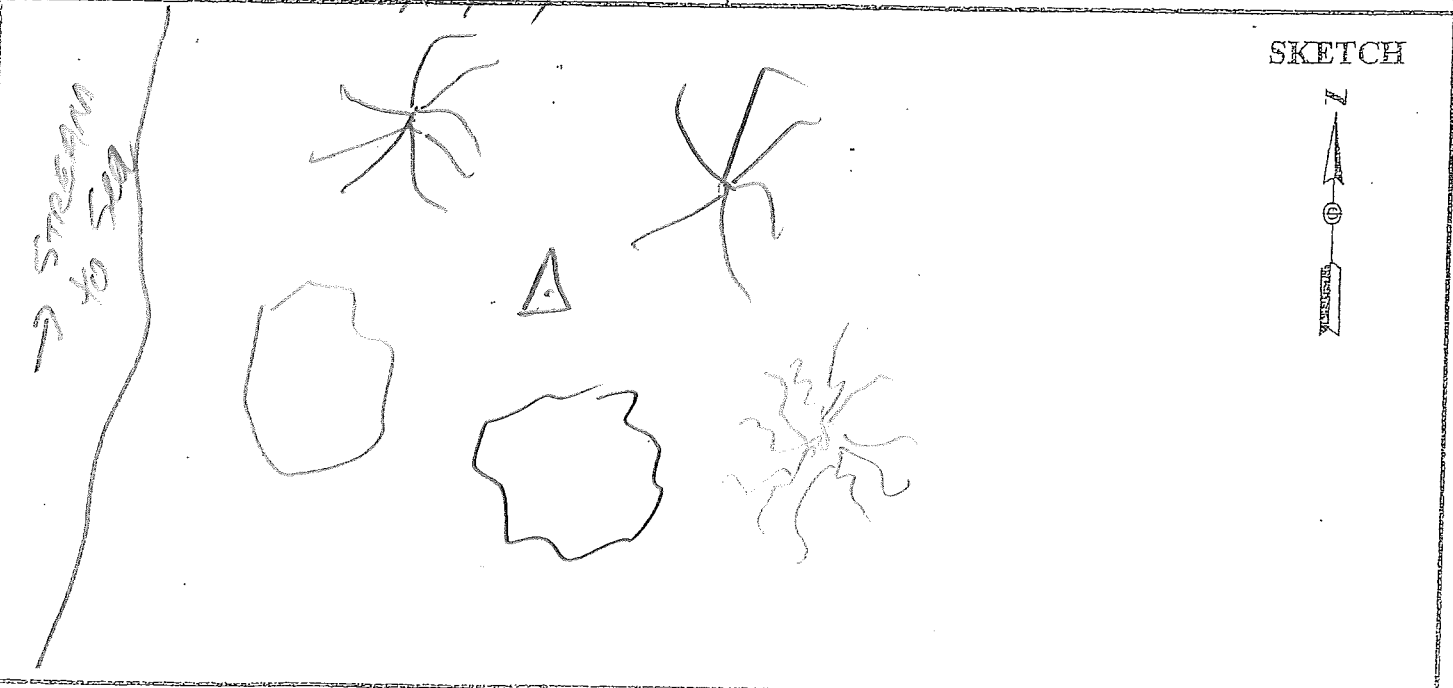
HEIGHT READINGS MTS FT
1.205 _____

STATION DESCRIPTIONS POINT IN WOODED AREA

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
2159	2.4	8/8-9
2236	2.0	9/9-9



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

TREES

PROJECT 111105
 OPERATOR WJN
 DATE 3/8/12

SITE NUMBER 3
 SITE NAME 1512

TRACKING TIMES (LOCAL) MEASURE GMT +10
 START 10 38
 STOP 11:28

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: TREES ALL QUADRANTS

HEIGHT READINGS MTS FT
1.232 _____

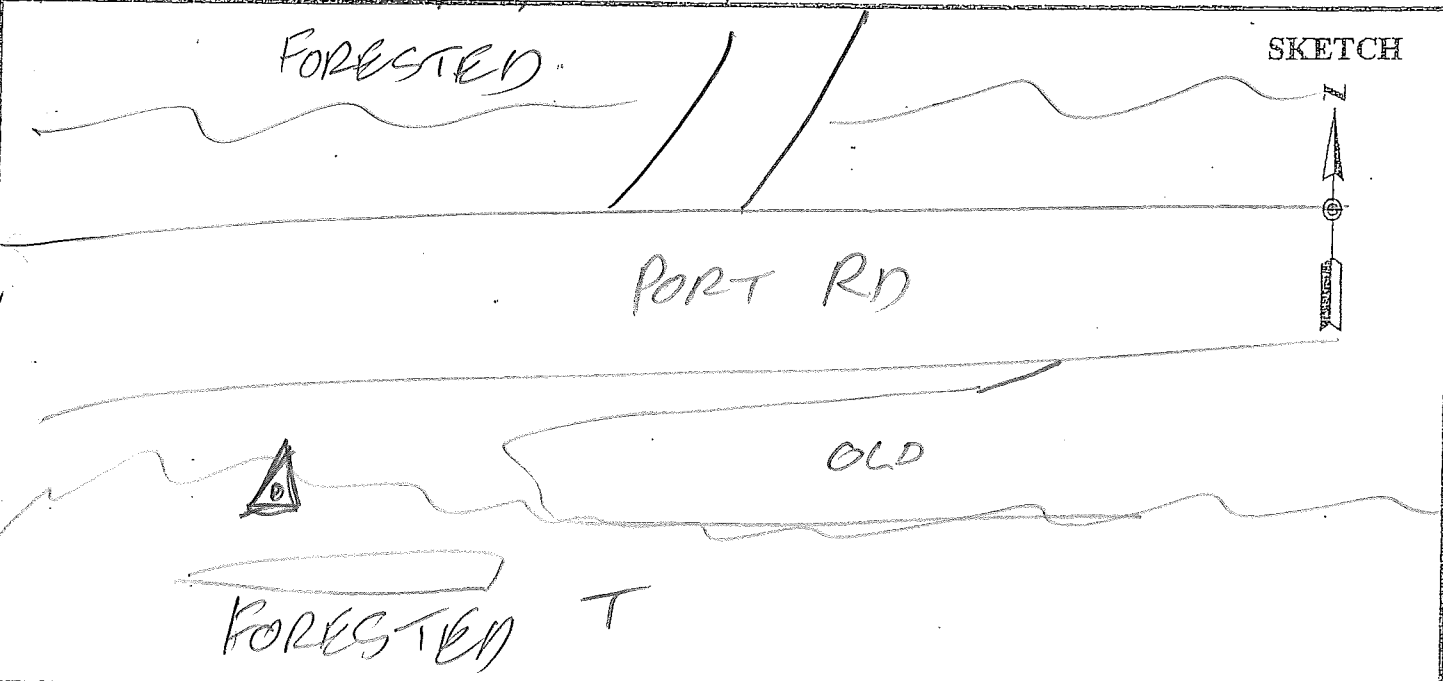
STATION DESCRIPTIONS POINT IN WOODED AREA IN S. 1/4

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0038	2.7	9/9-9
0128	2.6	9/9-9

PC



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

TREES

PROJECT	<u>111105</u>	SITE NUMBER	<u>4</u>
OPERATOR	<u>WJN</u>	SITE NAME	<u>1513</u>
DATE	<u>3/8/12</u>		

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE	<u>500</u>	9500	399	299
START	MEMORY CARD	<u>14</u>			
STOP	BATTERY NO.				
	CONTROLLER NO.				
	SENSOR NO.				

SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	<u>0.360</u>
HEIGHT READINGS	MTS	FT
	<u>1.225</u>	

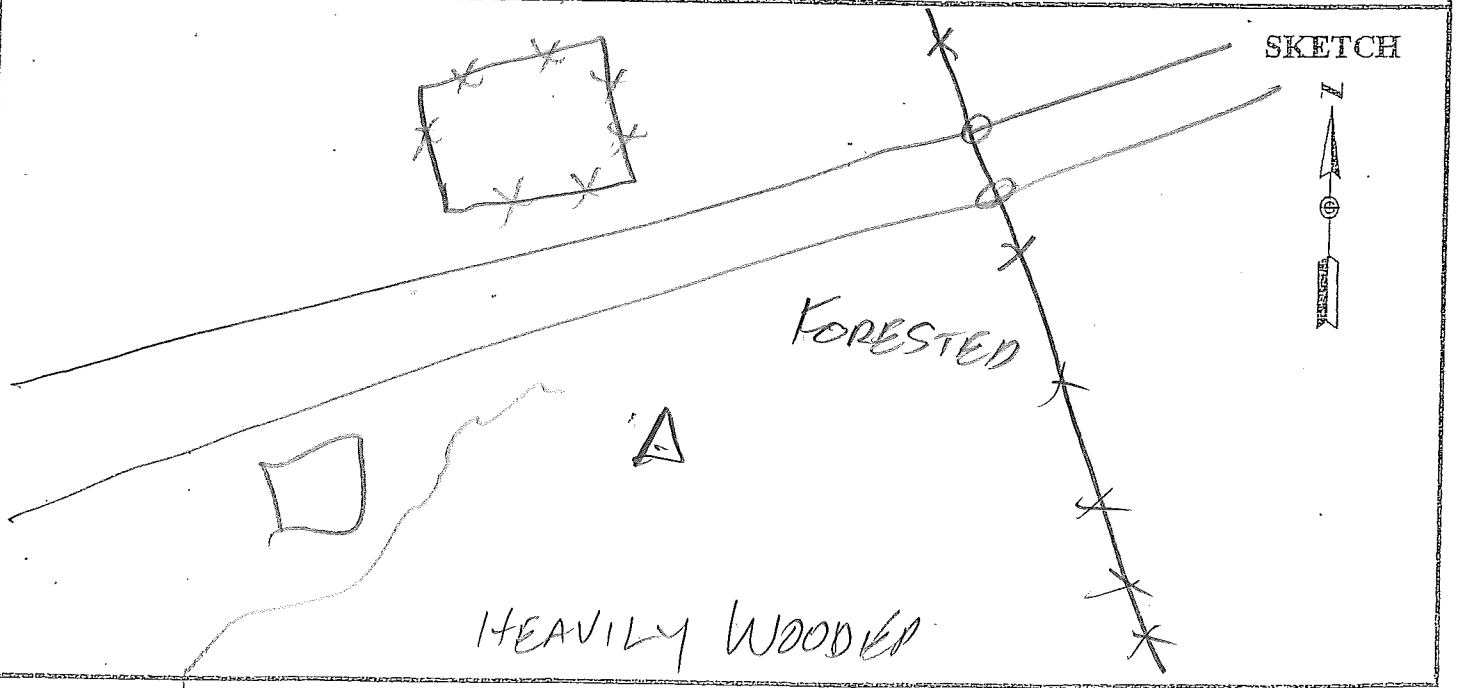
OBSTRUCTIONS: TREES ALL QUADRANTS

STATION DESCRIPTIONS POINT IN WOODED AREA

TIME	GDOP	SATELLITES
<u>0153</u>	<u>2.7</u>	<u>8/8-9</u>
<u>0228</u>	<u>2.8</u>	<u>8/8-9</u>

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC



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

AME

H+V

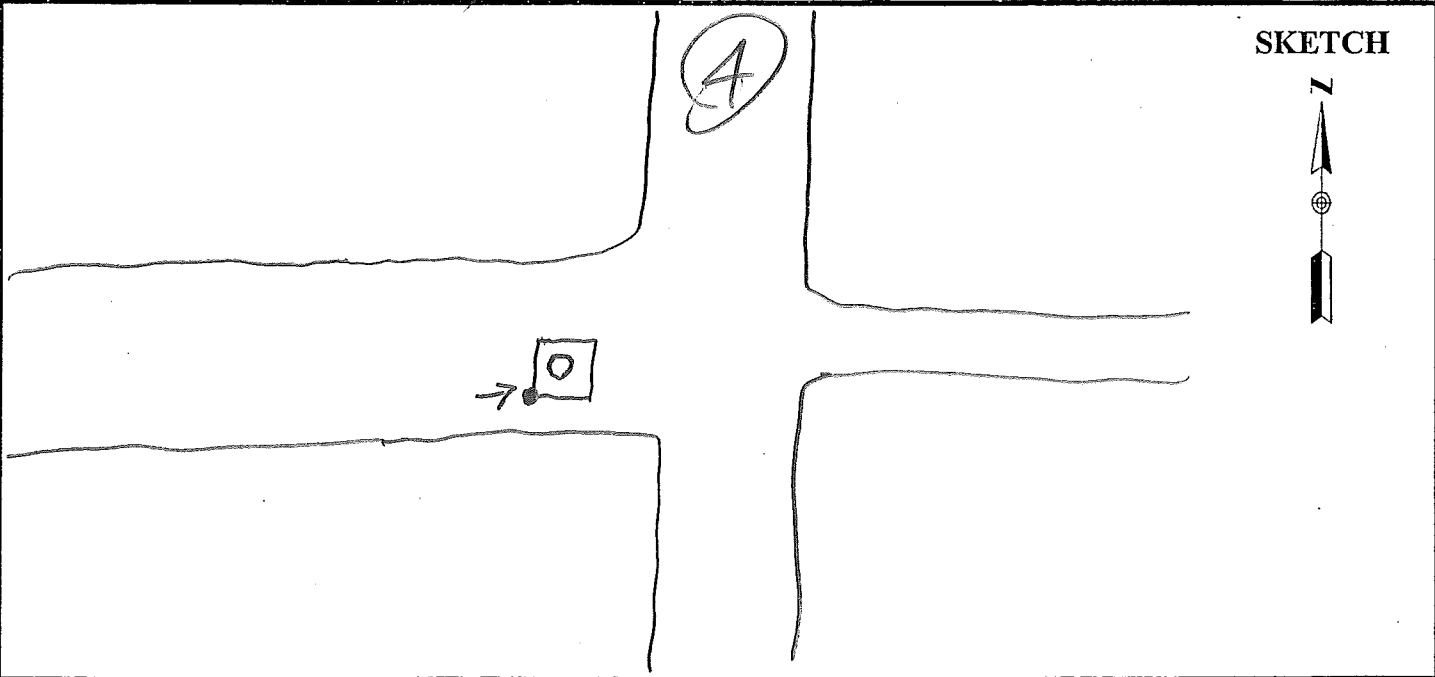
PROJECT	<u>111105</u>	SITE NUMBER	<u>3</u>
OPERATOR	<u>WJN</u>	SITE NAME	<u>901</u>
DATE	<u>2/29/12</u>		

TRACKING TIMES (LOCAL) MEASURE <u>GMT +10</u>	SENSOR TYPE	<u>500</u>	9500	399	299
START <u>11:06</u>	MEMORY CARD	<u>14</u>			
STOP <u>11:31</u>	BATTERY NO.				
	CONTROLLER NO.				
	SENSOR NO.				

SENSOR CONSTANT	299/399	0.441	OBSTRUCTIONS:	<u>TREES</u>
	399E/9500	0.389		
	500	<u>0.360</u>		
HEIGHT READINGS	MTS	FT	STATION DESCRIPTIONS	<u>SH COR</u>
	<u>1.281</u>			<u>CONC. APRON</u>

SATELLITE OBSERVATIONS	WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
	<u>RAIN</u>

TIME	GDOP	SATELLITES
<u>0106</u>	<u>2.8</u>	<u>9/9-9</u>
<u>0131</u>	<u>2.4</u>	<u>9/9-9</u>



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

BASE

PROJECT 111105
OPERATOR WJN
DATE 7/02/12

SITE NUMBER 1
SITE NAME 902

TRACKING TIMES (LOCAL) MEASURE GMT +10
START 8:41
STOP 9:21

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: TREES ALL
QUADRANTS

HEIGHT READINGS MTS FT
1.300 _____

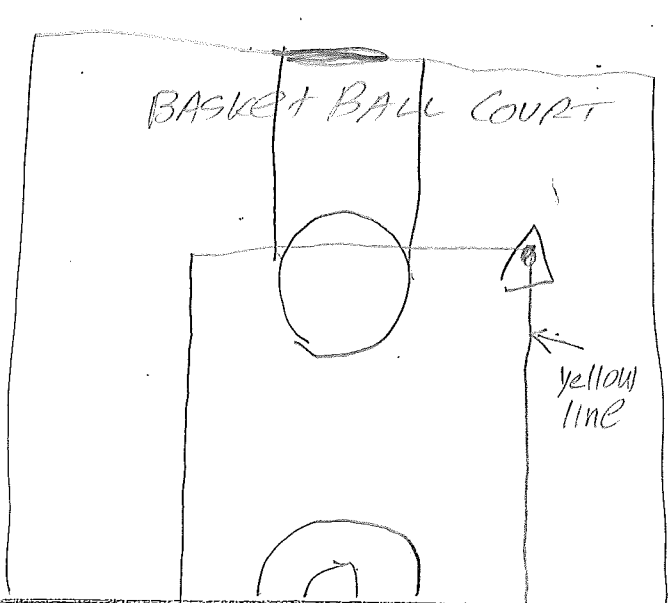
STATION DESCRIPTIONS NW COR
Yellow Box --- INT
OF Yellow Lines

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
22:41	2.4	9/8-9
23:21	2.3	9/8-9

SKETCH



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

AME
 H+V

PROJECT 111105
 OPERATOR WJW
 DATE 2/02/12

SITE NUMBER 5
 SITE NAME 903

TRACKING TIMES (LOCAL) MEASURE GMT +10
 START 13:04
 STOP 13:54

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 S, W

HEIGHT READINGS MTS FT
 1.070 _____

STATION DESCRIPTIONS NW COR.
CONCRETE

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
3:04	1.9	10/9-9
3:54	2.0	9/9-9



SKETCH

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

AME
 H+V

PROJECT 111105
 OPERATOR WJN
 DATE 9/3/12

SITE NUMBER A
 SITE NAME 904

TRACKING TIMES (LOCAL) MEASURE GMT+11
 START 12:11
 STOP 12:51

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 603
 BATTERY NO. _____
 CONTROLLER NO. _____
 SENSOR NO. _____

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

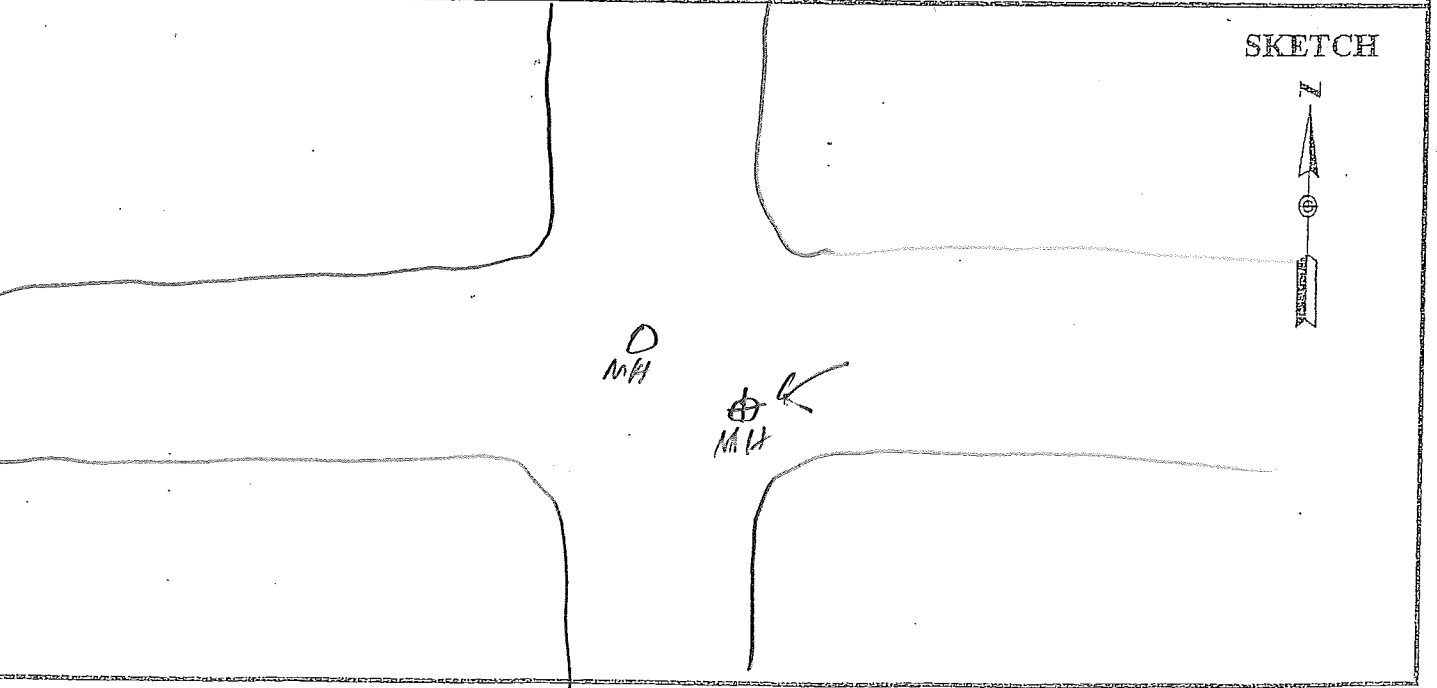
OBSTRUCTIONS: TREES

HEIGHT READINGS MTS FT
 1.215 _____

STATION DESCRIPTIONS E MAN HOLE
NEAR SE COR OF
INT.

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
2:11	1.9	9/9-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

AME
 H+V

PROJECT <u>111105</u>	SITE NUMBER <u>1</u>
OPERATOR <u>WJN</u>	SITE NAME <u>905</u>
DATE <u>3/6/12</u>	

TRACKING TIMES (LOCAL) MEASURE <u>GMT +10</u>	SENSOR TYPE <u>500</u> 9500 399 299
START <u>8:02</u>	MEMORY CARD <u>603</u>
STOP <u>8:32</u>	BATTERY NO. _____
	CONTROLLER NO. _____
	SENSOR NO. _____

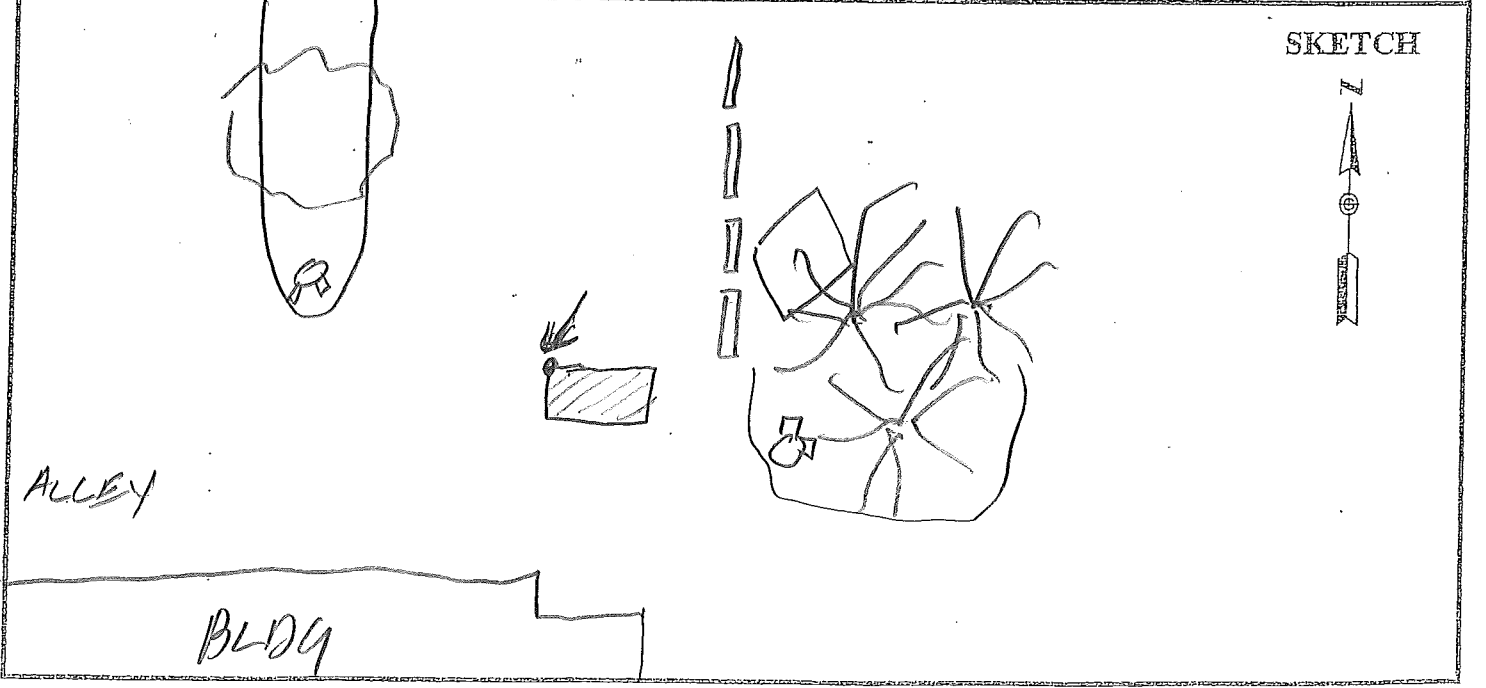
SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	<u>0.360</u>
HEIGHT READINGS	MTS	FT
	<u>1.272</u>	

OBSTRUCTIONS: TREES E.

STATION DESCRIPTIONS NW COR
PATCH

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
<u>22 02</u>	<u>3.0</u>	<u>9/9-9</u>
<u>22 32</u>		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
SKC, BECOMING CLOUDY



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

AME
 HHV

PROJECT 111105
 OPERATOR WJN
 DATE 3/8/12

SITE NUMBER 2
 SITE NAME 906

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 9 34
 STOP 10 25

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
1.222 _____

STATION DESCRIPTIONS INT PARK STRIPES, E END

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
2334	2.2	9/9-9
00:25	2.0	9/9-9

PC

SKETCH



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

AME
 H+V Ph. 1D

PROJECT 111105
 OPERATOR MB
 DATE 2.29.12

SITE NUMBER 8
 SITE NAME 1001

TRACKING TIMES (LOCAL) MEASURE
 START 1:38 p
 STOP 2:04 p

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

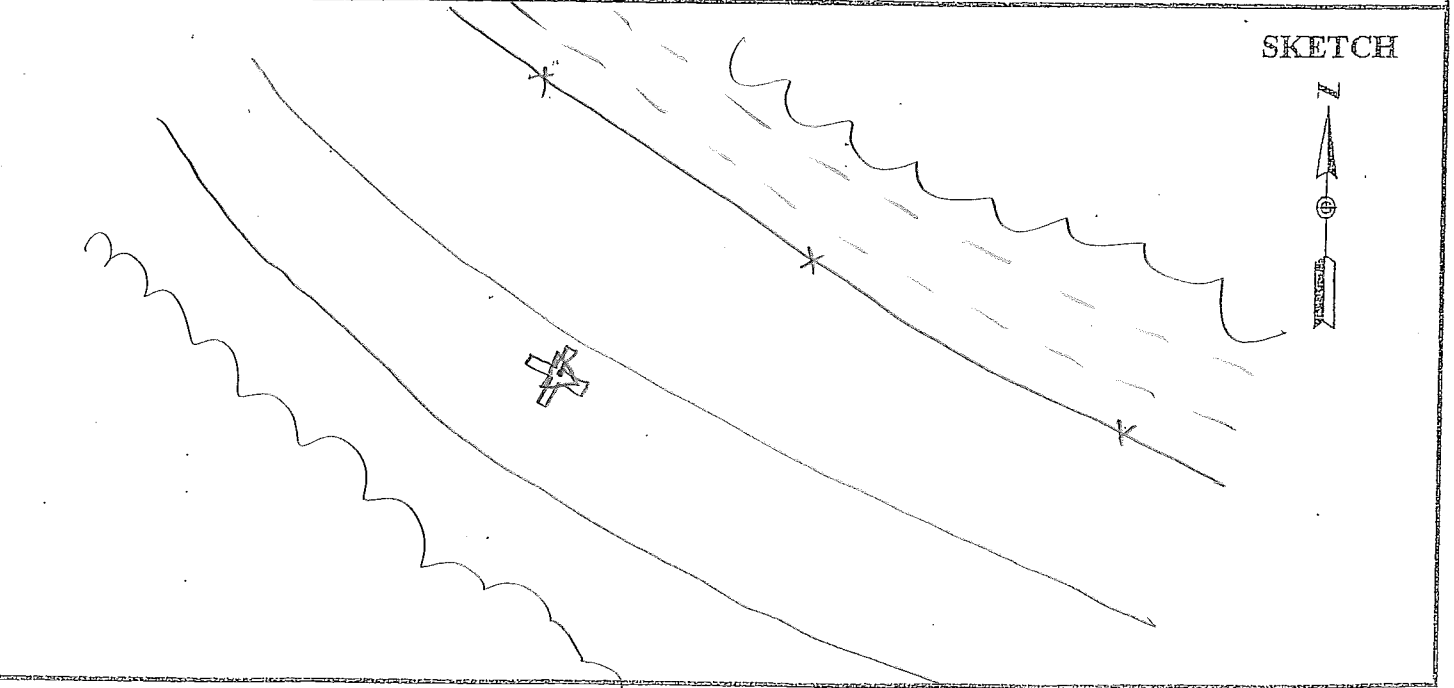
SENSOR CONSTANT 299/399 0.441
 399E/9500 0.389
 (500) 0.360
 HEIGHT READINGS MTS FT
1.392 _____
 1752

OBSTRUCTIONS: none
 STATION DESCRIPTIONS target on NE side of road

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
<u>2238</u>	<u>1.8</u>	<u>11/11</u>
<u>2304</u>		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

AME
 V + H Ph 10

PROJECT 111105
 OPERATOR NB
 DATE 3.1.12

SITE NUMBER 8
 SITE NAME 1002

TRACKING TIMES (LOCAL) MEASURE _____
 START 1:48p
 STOP 2:18p

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

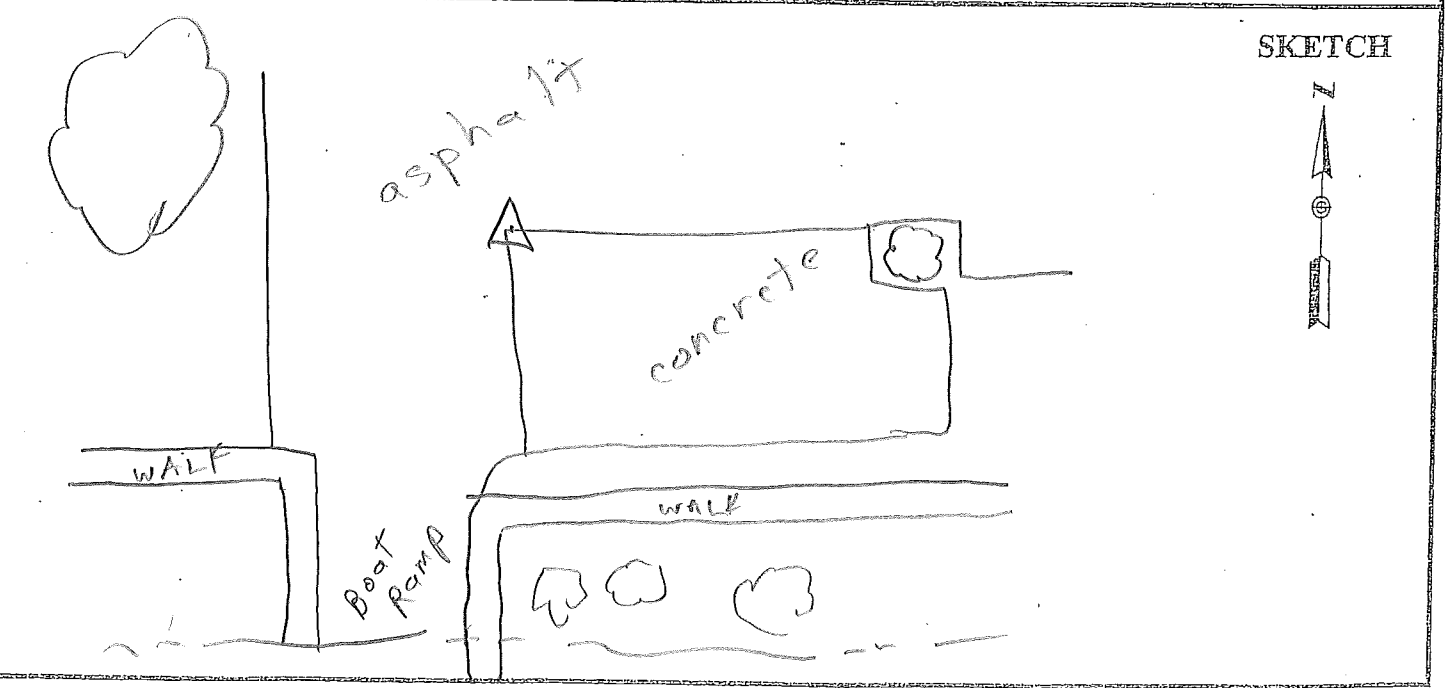
HEIGHT READINGS MTS FT
1.400 _____
 1.760

OBSTRUCTIONS: tree E + NW

STATION DESCRIPTIONS NW corner
of concrete section of
parking lot

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
0348	1.9	9/9
0418		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

AME

H + V M ID

PROJECT <u>111105</u>	SITE NUMBER <u>9</u>
OPERATOR <u>NB</u>	SITE NAME <u>1003</u>
DATE <u>3.2.12</u>	

TRACKING TIMES (LOCAL) MEASURE <input checked="" type="checkbox"/>	SENSOR TYPE <u>500</u> <u>9500</u> <u>399</u> <u>299</u>
START <u>3:30 p</u>	MEMORY CARD <u>704</u>
STOP <u>4:15 p</u>	BATTERY NO. _____
	CONTROLLER NO. _____
	SENSOR NO. _____

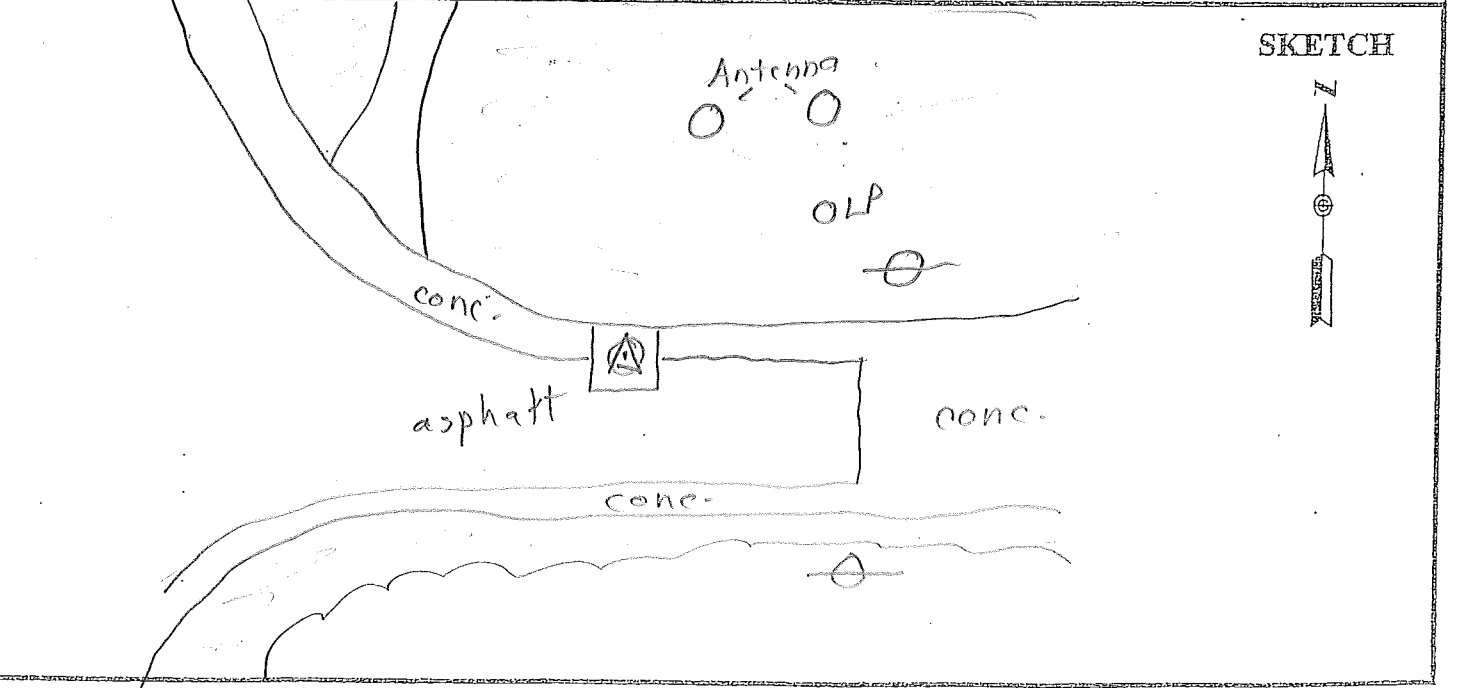
SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	0.360
HEIGHT READINGS	MTS	FT
	<u>1.366</u>	_____
		1726

OBSTRUCTIONS: Antennas N + NE

STATION DESCRIPTIONS center of MH

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
0530	2.3	8/8
0615		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

M+V PL. ID AME

PROJECT 111105
OPERATOR NB
DATE 3.4.12

SITE NUMBER 2
SITE NAME 1004

TRACKING TIMES (LOCAL) MEASURE _____
START 8:32 a.
STOP 9:17 a.

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

OBSTRUCTIONS: none

HEIGHT READINGS MTS FT
1.430 _____

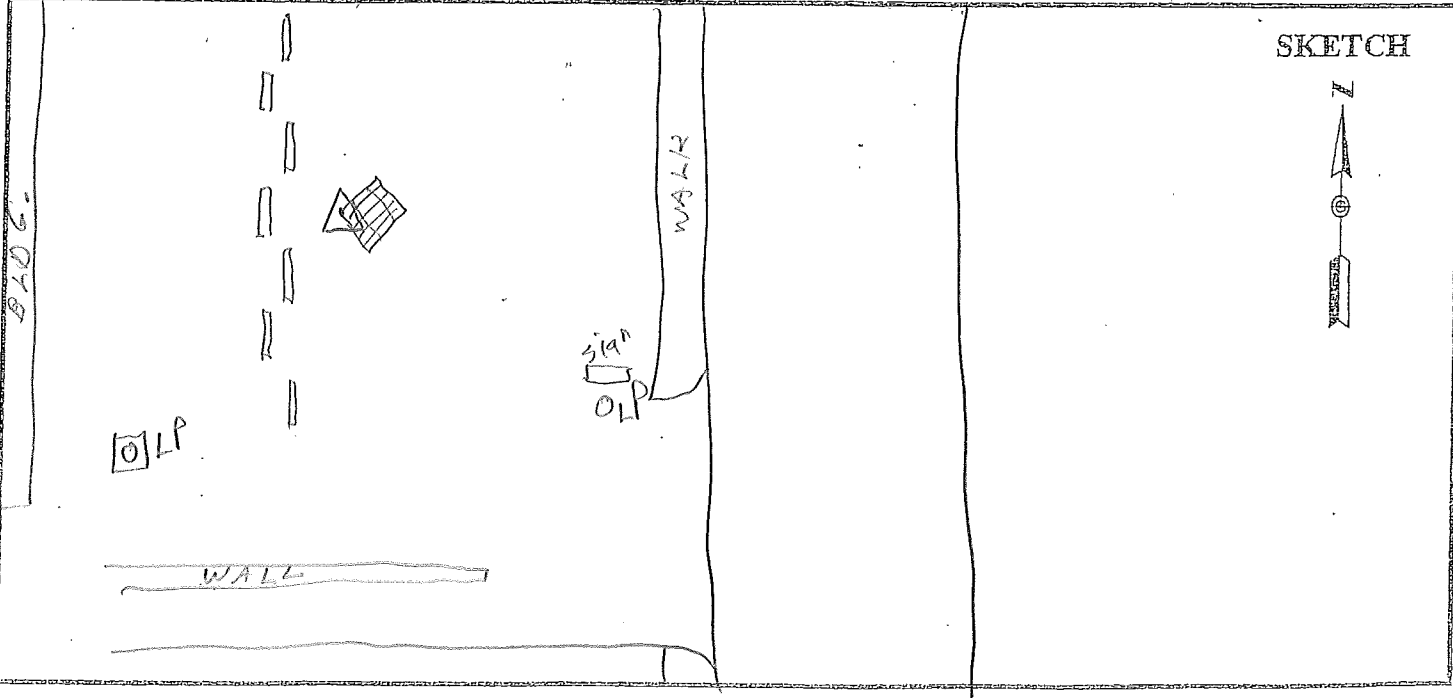
STATION DESCRIPTIONS W. corner of gate

1.790

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
2232	1.8	9/9
2317	1.8	9/9



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

H + V Ph. ID. AME

PROJECT	111105	SITE NUMBER	6
OPERATOR	MB	SITE NAME	1005
DATE	3.6.12		

TRACKING TIMES (LOCAL) MEASURE <input checked="" type="checkbox"/>	SENSOR TYPE	500	9500	399	299
START 12:59 p	MEMORY CARD	704			
STOP 1:44 p	BATTERY NO.	CB			
	CONTROLLER NO.				
	SENSOR NO.				

SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	0.360
HEIGHT READINGS	MTS	FT
	1.456	
		1816

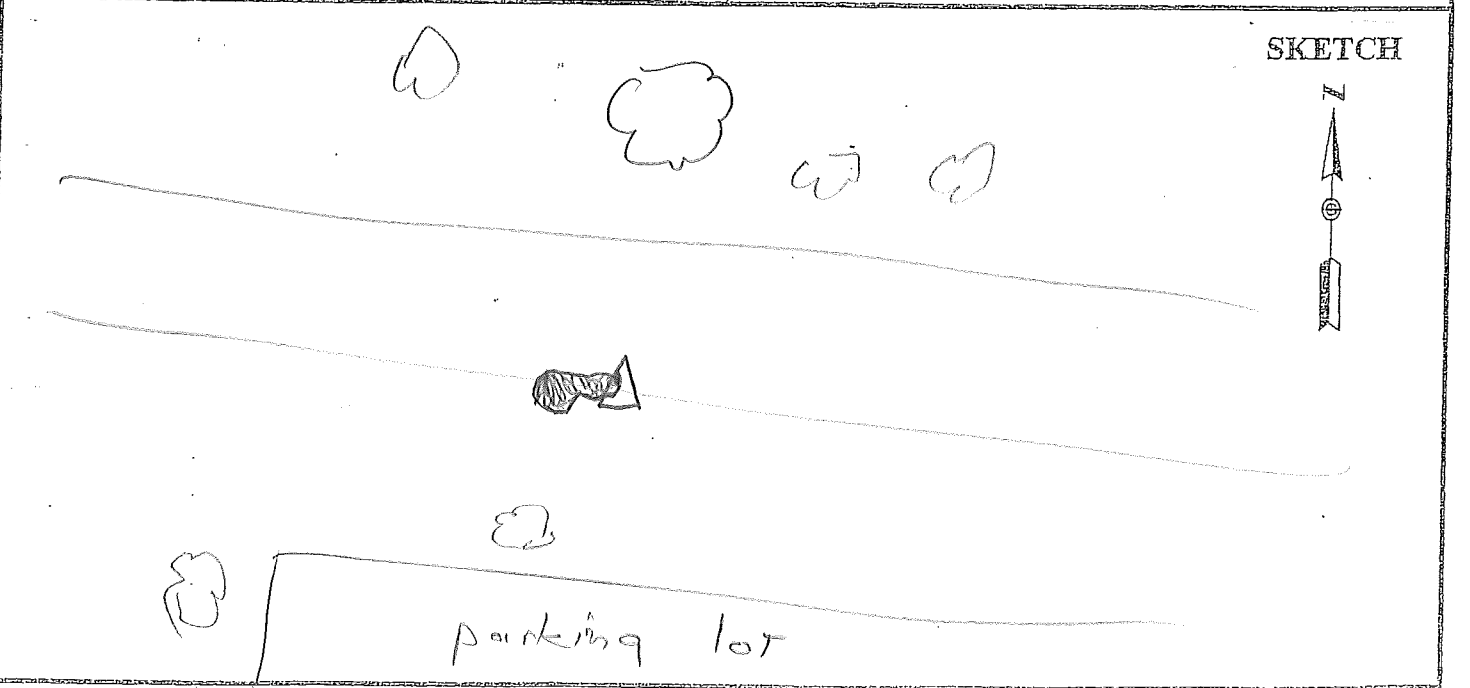
OBSTRUCTIONS: tree N

STATION DESCRIPTIONS: E most tip of dark tan patch

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
0257	2.0	10/10
0344		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

photo - W



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

AME
 H.T.V. Ph. ID.

PROJECT 111105
 OPERATOR MB
 DATE 3-7-12

SITE NUMBER 9
 SITE NAME 1006

TRACKING TIMES (LOCAL) MEASURE
 START 3:21 p
 STOP 4:06 p

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

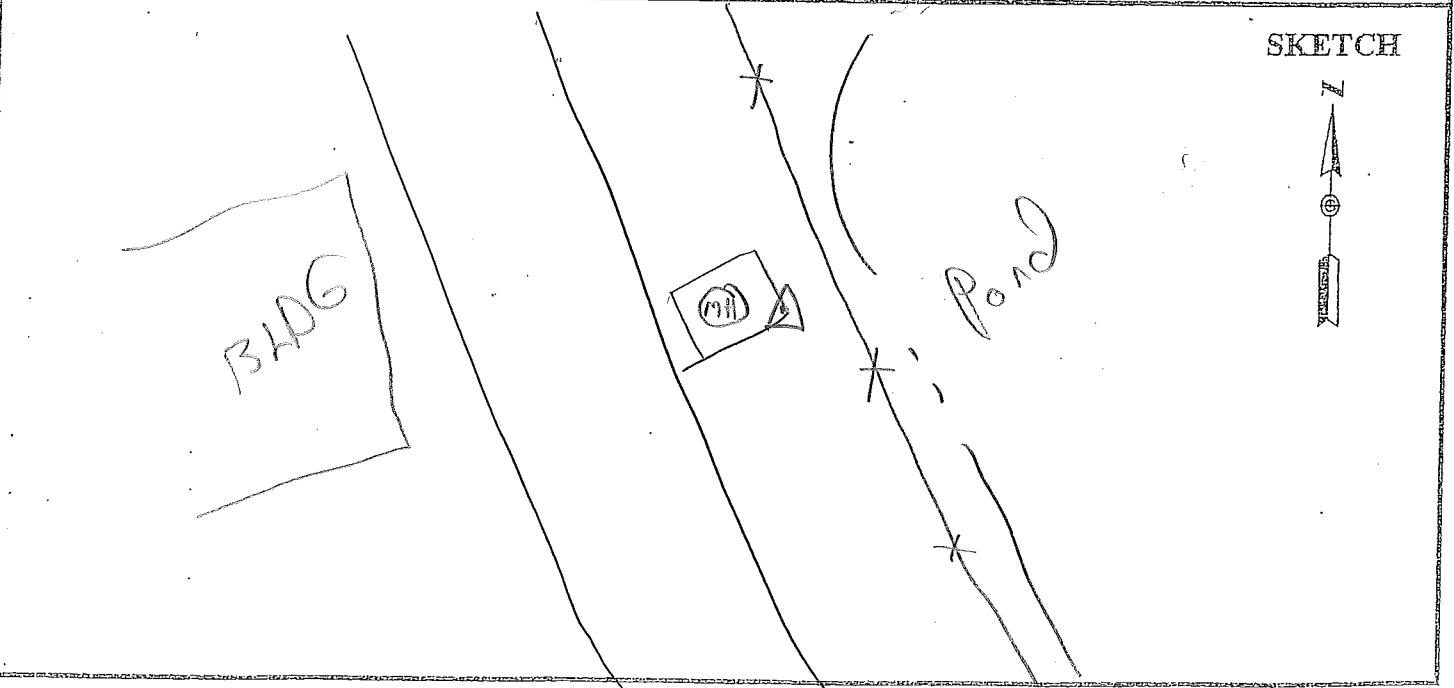
SENSOR CONSTANT 299/399 0.441
 399E/9500 0.389
 500 0.360
 HEIGHT READINGS MTS FT
1.385 _____
 1745

OBSTRUCTIONS: none
 STATION DESCRIPTIONS SE corner of conc. slab for MH

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
00521	25	8/8
00606		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
photo - N



AERO-METRIC, INC.
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 SHEBOYGAN, WISCONSIN 53083

AME
 HARD

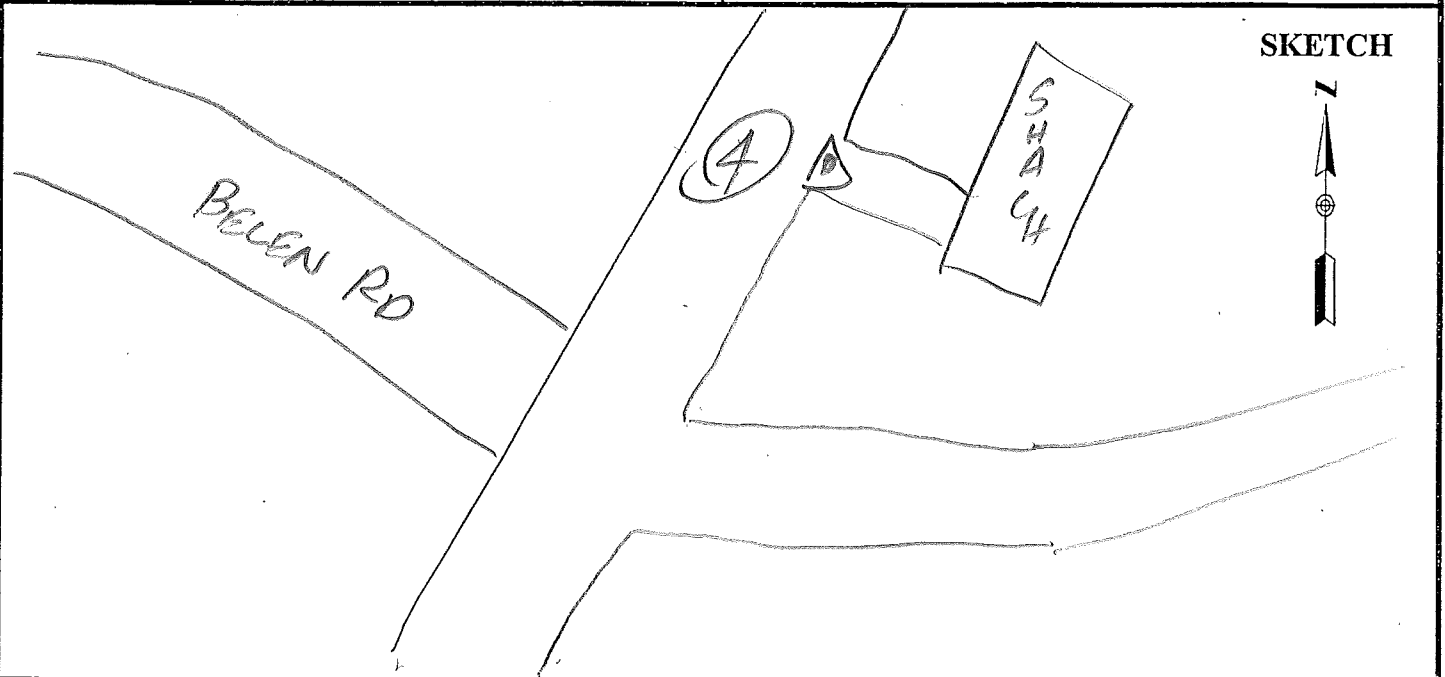
PROJECT	<u>111105</u>	SITE NUMBER	<u>9</u>
OPERATOR	<u>WVN</u>	SITE NAME	<u>911</u>
DATE	<u>2/29/12</u>		

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE	<u>500</u>	9500	399	299
START <u>14:09</u>	MEMORY CARD	<u>14</u>			
STOP <u>14:32</u>	BATTERY NO.				
	CONTROLLER NO.				
	SENSOR NO.				

SENSOR CONSTANT	299/399	0.441	OBSTRUCTIONS: <u>TREES</u>
	399E/9500	0.389	
	500	<u>0.360</u>	
HEIGHT READINGS	MTS	FT	STATION DESCRIPTIONS <u>E. EDGE</u>
	<u>1.302</u>		<u>RD @ E DRIVE E.</u>

SATELLITE OBSERVATIONS	WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
------------------------	---

TIME	GDOP	SATELLITES
<u>04:09</u>	<u>2.8</u>	<u>8/8-10</u>
<u>04:32</u>	<u>2.6</u>	<u>9/9-9</u>



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

AME
 HARD
 V

PROJECT 111105
 OPERATOR WJN
 DATE 3/01/12

SITE NUMBER 7
 SITE NAME 912

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 14:11
 STOP 14:41

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

OBSTRUCTIONS: TREES ALL
QUAN

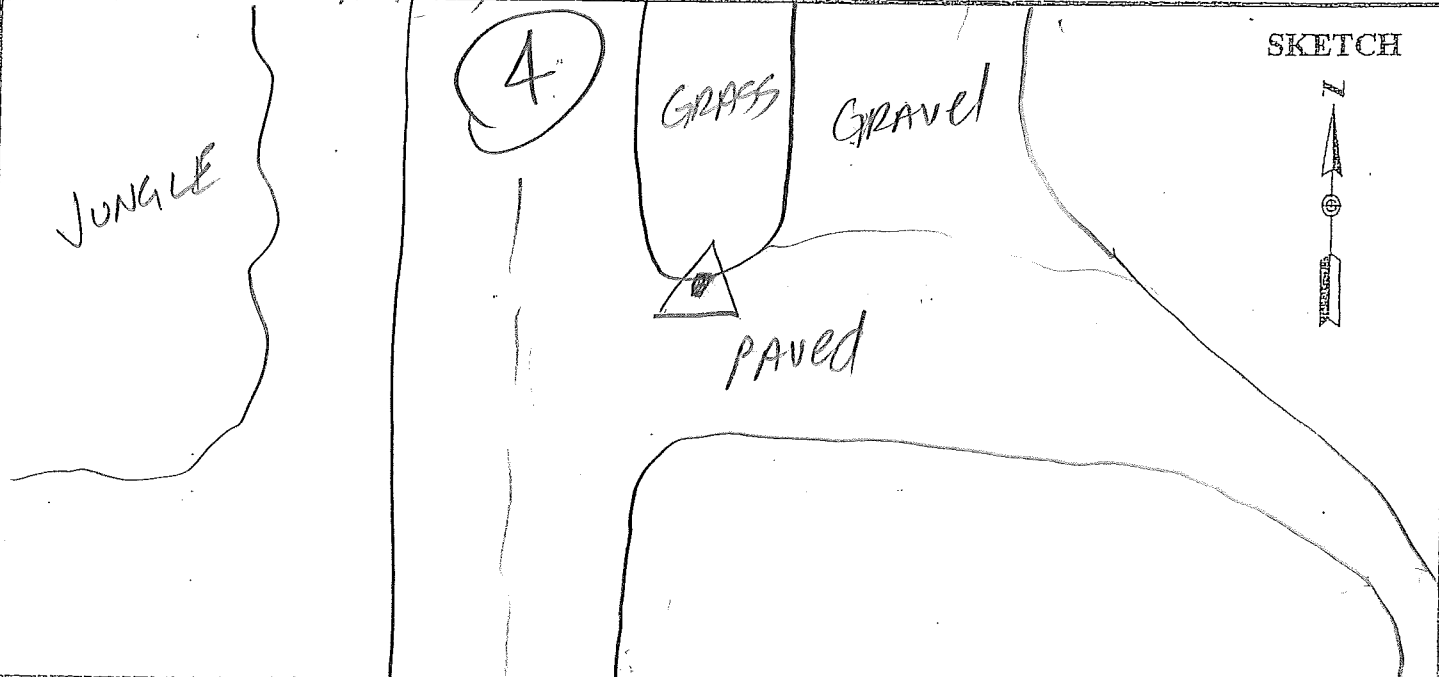
HEIGHT READINGS MTS FT
1.268 _____

STATION DESCRIPTIONS POINT @
S. TIP GRASS @
N. EDGE PAVED
DR.

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>0411</u>	<u>2.8</u>	<u>9/9-9</u>
<u>0441</u>	<u>2.6</u>	<u>9/9-9</u>



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 SHEBOYGAN, WISCONSIN 53083

AME
 1992

PROJECT 111105
 OPERATOR WJN
 DATE _____

SITE NUMBER 8
 SITE NAME 913

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 16:19
 STOP 17:04

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

OBSTRUCTIONS: No

HEIGHT READINGS MTS FT
1.265 _____

STATION DESCRIPTIONS POINT IN CENTER OF LA

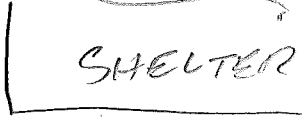
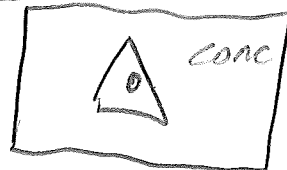
SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>6:19</u>	<u>2.6</u>	<u>9/8-9</u>
<u>7:04</u>	<u>2.8</u>	<u>9/8-8</u>

NARROW RD

SKETCH



RIP RAP

APRA HARBOR

Not processed. Replaced by 906.

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

AME
 HARD

PROJECT 111105
 OPERATOR MJN
 DATE 3/3/12

SITE NUMBER 9
 SITE NAME -914- test

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 16 15
 STOP _____

SENSOR TYPE 500 .9500 399 299
 MEMORY CARD 603
 BATTERY NO. _____
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: _____

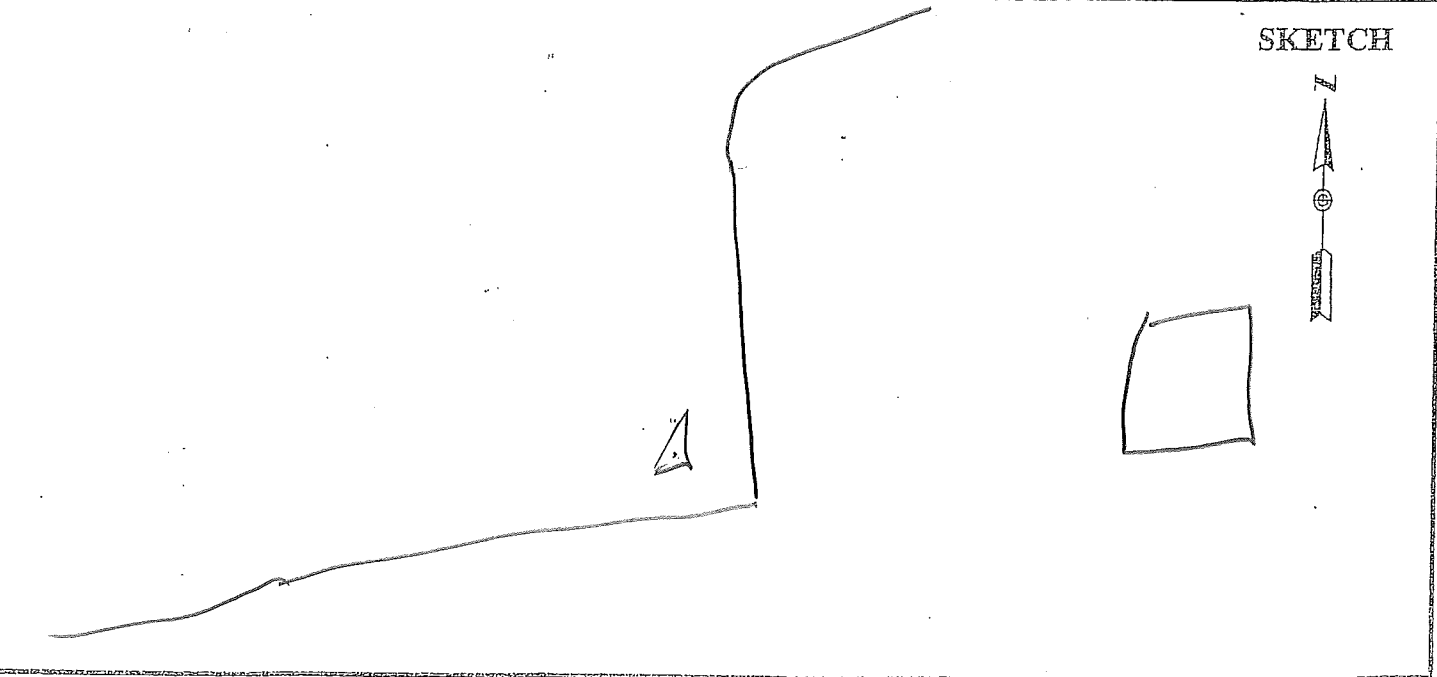
HEIGHT READINGS MTS FT
 1.286 _____

STATION DESCRIPTIONS POINT IN
SE CORNER OF
ASPHALT PARKING LOT

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>615</u>		
<u>630</u>		



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

PROJECT <u>111105</u>	SITE NUMBER <u>1</u>
OPERATOR <u>WJN</u>	SITE NAME <u>915</u>
DATE <u>3/4/12</u>	

TRACKING TIMES (LOCAL) MEASURE <u>GMT+10</u>	SENSOR TYPE <u>500</u> 9500 399 299
START <u>7:44</u>	MEMORY CARD <u>14</u>
STOP <u>8:19</u>	BATTERY NO. _____
	CONTROLLER NO. _____
	SENSOR NO. _____

SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	500	<u>0.360</u>
HEIGHT READINGS	MTS	FT
	<u>1.271</u>	_____

OBSTRUCTIONS: PPLS N
TREES E-W-S

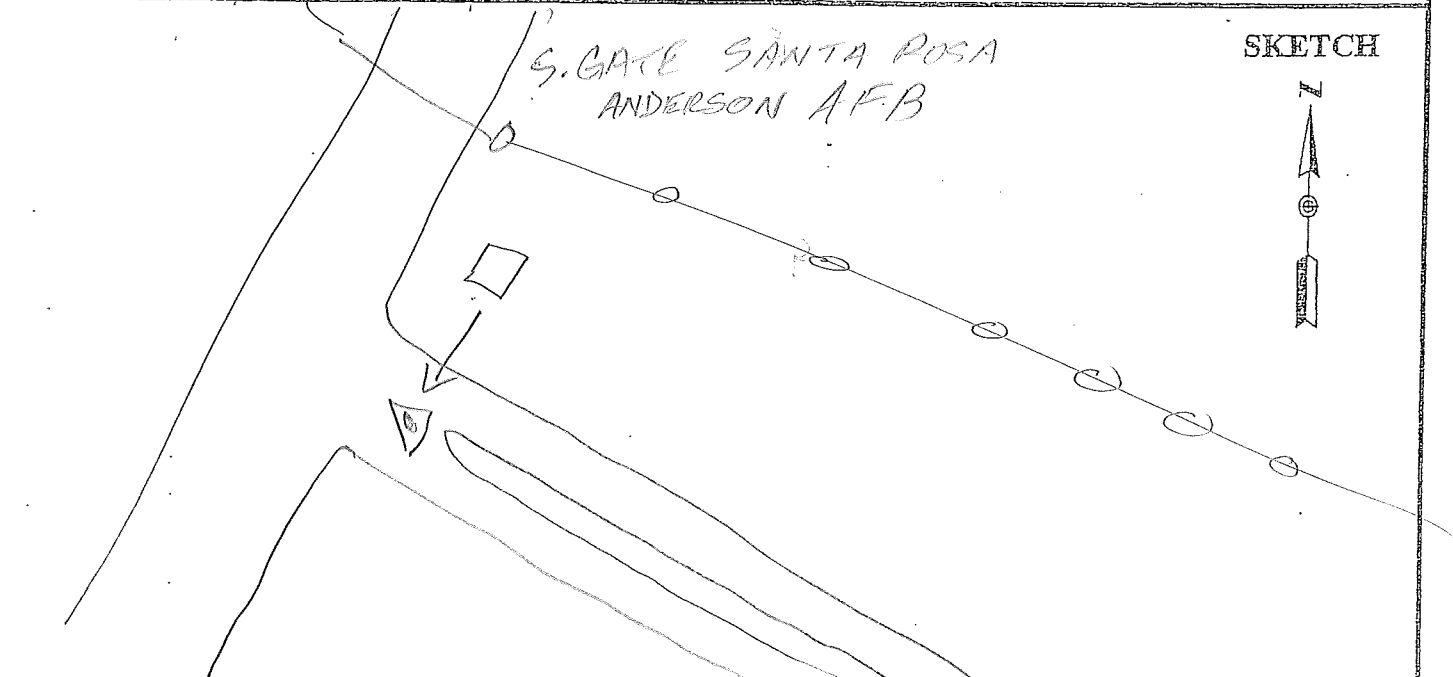
STATION DESCRIPTIONS POINT N
Q BLVD SE OPP
LARGE VAULT N.

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
21:44	2.8	8/8-9
22:19	2.4	8/8-9

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

PC



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

HARD

PROJECT 111105
 OPERATOR WVN
 DATE 3/7/12

SITE NUMBER 8
 SITE NAME 916

TRACKING TIMES (LOCAL) MEASURE CMT+10
 START 14 04
 STOP 14 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: NO

HEIGHT READINGS MTS FT
1.256

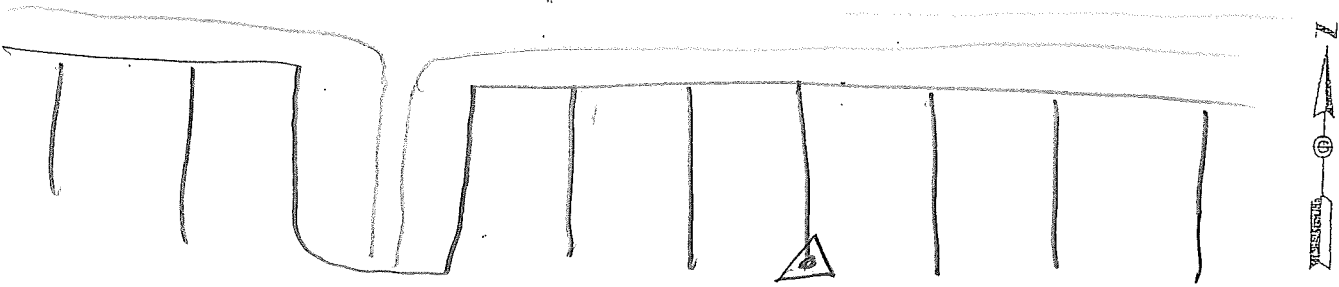
STATION DESCRIPTIONS POINT IN
HIGH PARKING LOT
END PARKING STRIPE

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
RAIN

TIME	GDOP	SATELLITES
<u>404</u>	<u>2.7</u>	<u>8/8-8</u>
<u>436</u>	<u>2.0</u>	<u>9/9-9</u>

SKETCH



END

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

4425

PROJECT 111105
 OPERATOR WJN
 DATE 3/7/12

SITE NUMBER 10
 SITE NAME 917

TRACKING TIMES (LOCAL) MEASURE GMT +10
 START 15:35
 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: NO

HEIGHT READINGS MTS FT
1192 _____

STATION DESCRIPTIONS INT PARK
STRIPES LARGE PARK

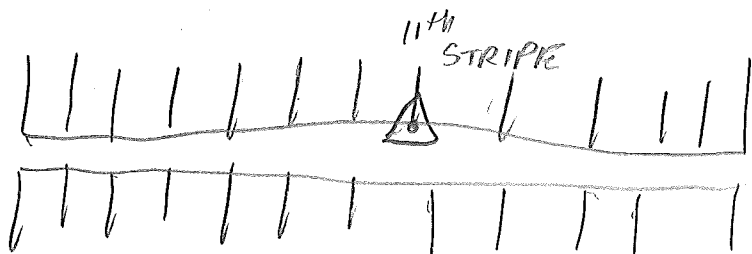
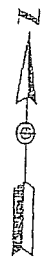
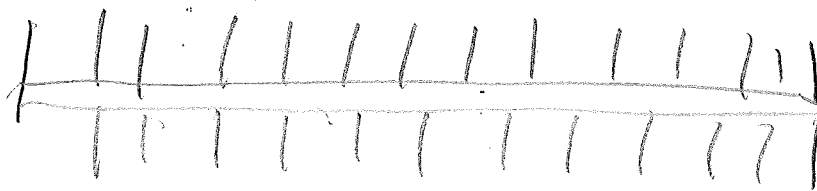
SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

MC

TIME	GDOP	SATELLITES
<u>15:35</u>	<u>2.2</u>	<u>9/9-9</u>

SKETCH



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

AME hard ✓

PROJECT 111105
 OPERATOR MB
 DATE 2.29.12

SITE NUMBER 3
 SITE NAME 1011

TRACKING TIMES (LOCAL) MEASURE
 START 10:16 a.
 STOP 10:46 a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CG
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: trees all quads

HEIGHT READINGS MTS FT
1.337
1.697

STATION DESCRIPTIONS E. side road

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
1910	3.9	6/6
1946		

SKETCH

Not processed. See 3-3-12 for re-observation

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

hard AME
 ✓PT

PROJECT 111105
 OPERATOR MB
 DATE 3-3-12

SITE NUMBER 2
 SITE NAME 1011

TRACKING TIMES (LOCAL) MEASURE
 START 8:26 a.
 STOP 9:01 a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

HEIGHT READINGS MTS FT
1.390 _____
 _____ 1.750

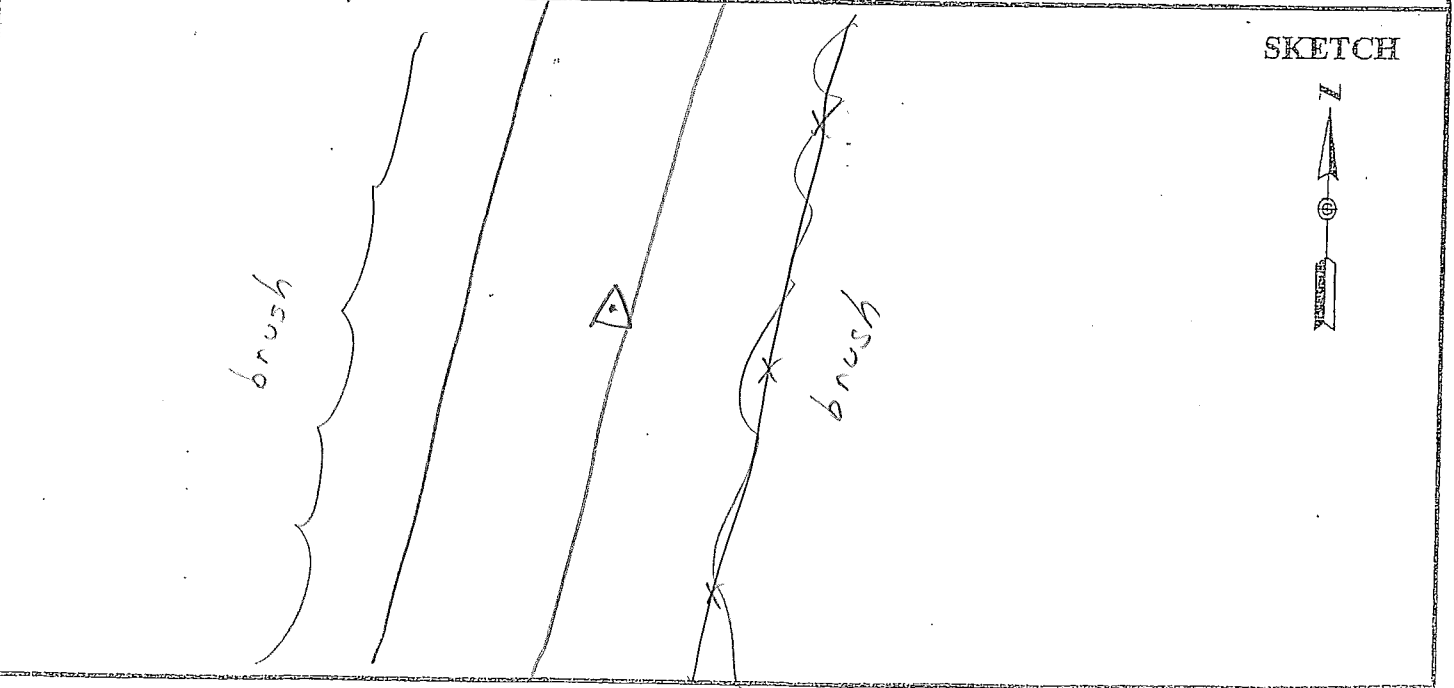
OBSTRUCTIONS: None

STATION DESCRIPTIONS SE side of road

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
2226	2.2	8/8
2301	1.7	8/10

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

AME
 hand VPT

PROJECT 111105
 OPERATOR MB
 DATE 3.1.12

SITE NUMBER 6
 SITE NAME 1013

TRACKING TIMES (LOCAL) MEASURE _____
 START 12:29p
 STOP 1:00p

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

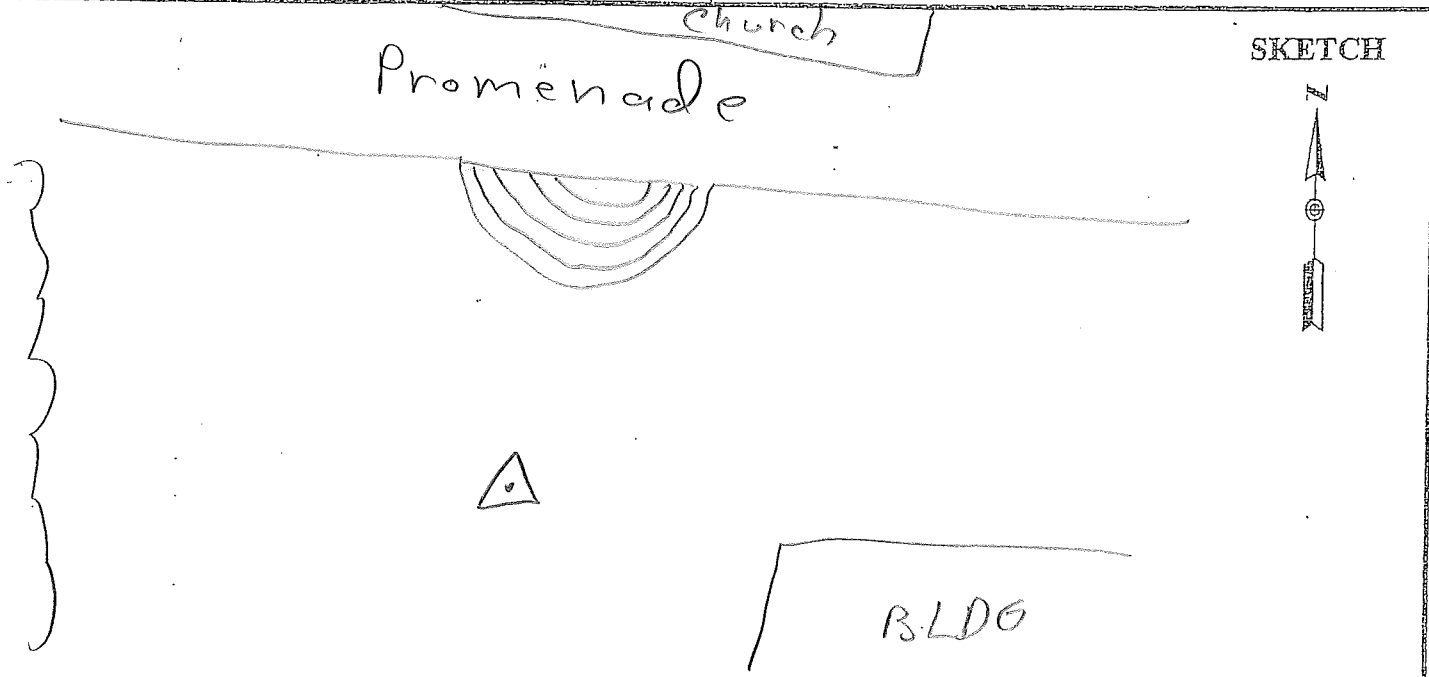
OBSTRUCTIONS: trees S.

HEIGHT READINGS MTS FT
1.348 _____
 1.708

STATION DESCRIPTIONS in parking lot

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
0229	2.4	8/8
0300		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

AME
hand VPT

PROJECT 111105
OPERATOR MB
DATE 3.2.12

SITE NUMBER 7
SITE NAME 1014

TRACKING TIMES (LOCAL) MEASURE
START 1:37 p
STOP 2:22 p

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

HEIGHT READINGS MTS FT
1.368 _____

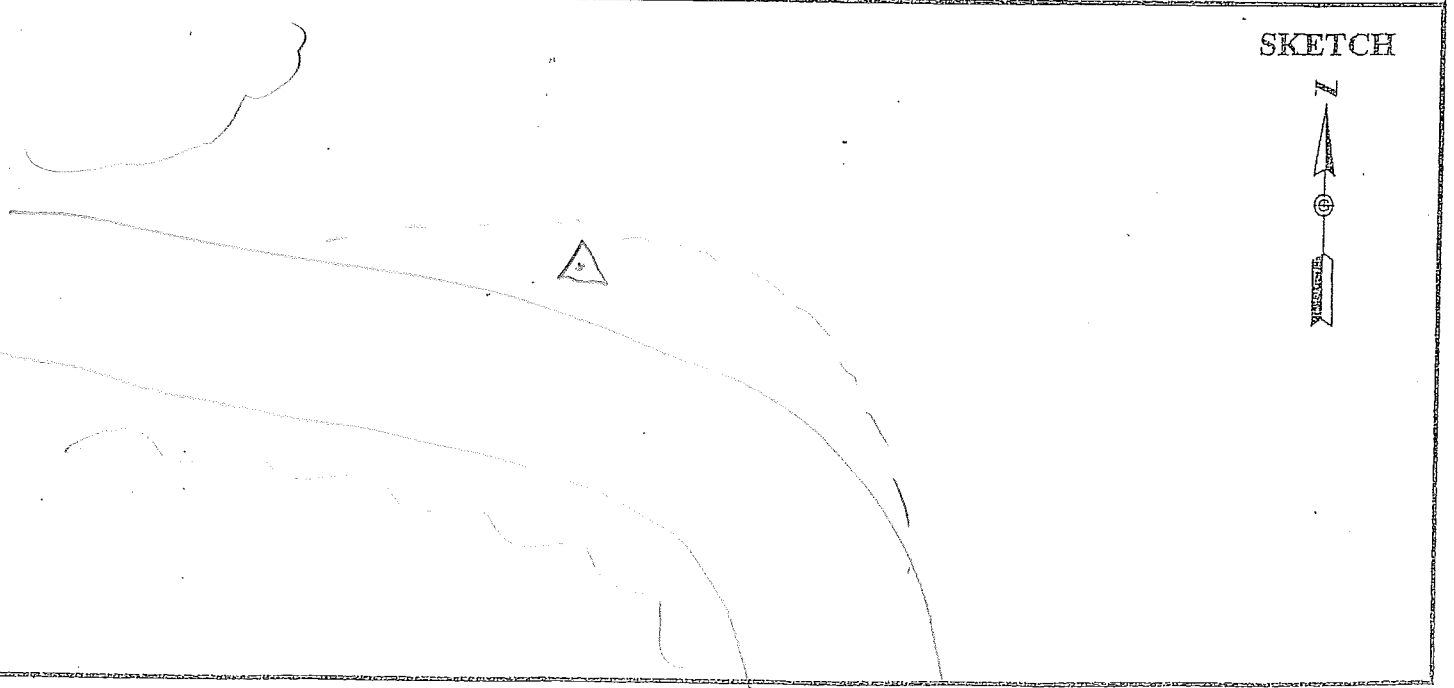
1728

OBSTRUCTIONS: trees W

STATION DESCRIPTIONS gravel area
on NE side road

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
0337	1.8	11/11
0422		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

AME
 hard PT

PROJECT 111105
 OPERATOR MB
 DATE 3.3.12

SITE NUMBER 9
 SITE NAME 1012 (1015)

TRACKING TIMES (LOCAL) MEASURE
 START 2:55 p
 STOP 3:40 p

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

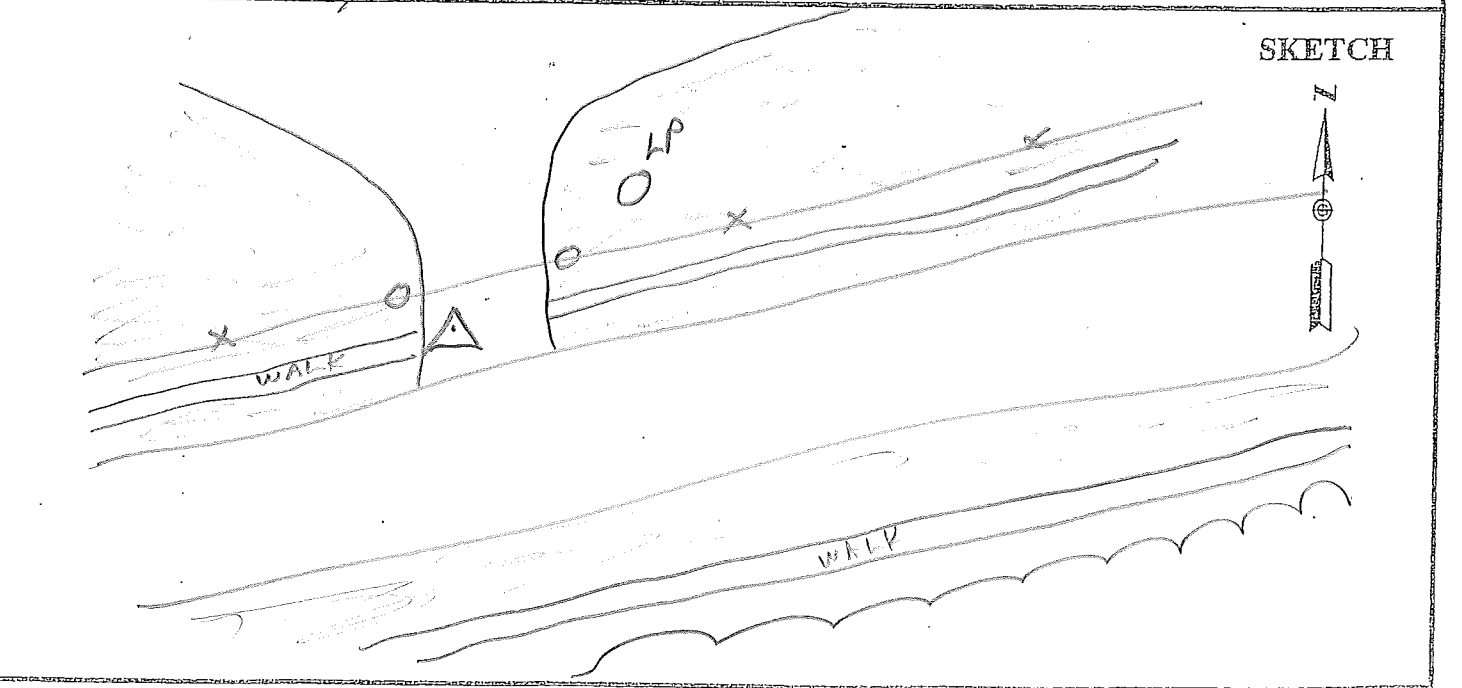
SENSOR CONSTANT 299/399 0.441
 399E/9500 0.389
 500 0.360
 HEIGHT READINGS MTS FT
1.404 1.764

OBSTRUCTIONS: trees SW ↔ SE
 STATION DESCRIPTIONS

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
0455	2.3	8/8
0540	2.5	8/8

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

AME
hand ST

PROJECT 111105
OPERATOR MB
DATE 8.4.12

SITE NUMBER 8
SITE NAME 1016

TRACKING TIMES (LOCAL) MEASURE

START 3:07 p
STOP 3:52 p

SENSOR TYPE 500 9500 399 299
MEMORY CARD 704
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

OBSTRUCTIONS: trees N

HEIGHT READINGS MTS FT
1.401 _____

STATION DESCRIPTIONS N. side road

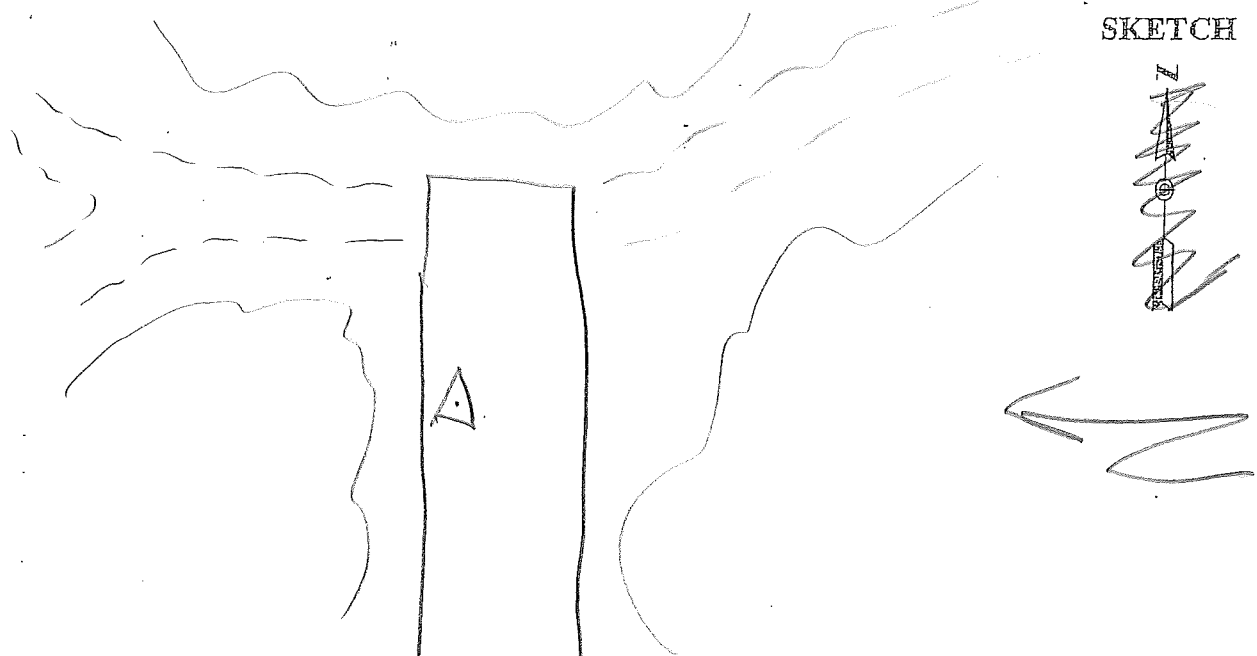
1.761

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
507	2.7	7/7
552		

SKETCH



743

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

AME
Base hand IPT

PROJECT 111105
OPERATOR MB
DATE 3-4-12

SITE NUMBER 1
SITE NAME 1017

TRACKING TIMES (LOCAL) MEASURE
START 7:22a
STOP _____

SENSOR TYPE 500 9500 399 299
MEMORY CARD 603
BATTERY NO. CB
CONTROLLER NO. _____
SENSOR NO. _____

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

HEIGHT READINGS MTS FT
1.284 _____

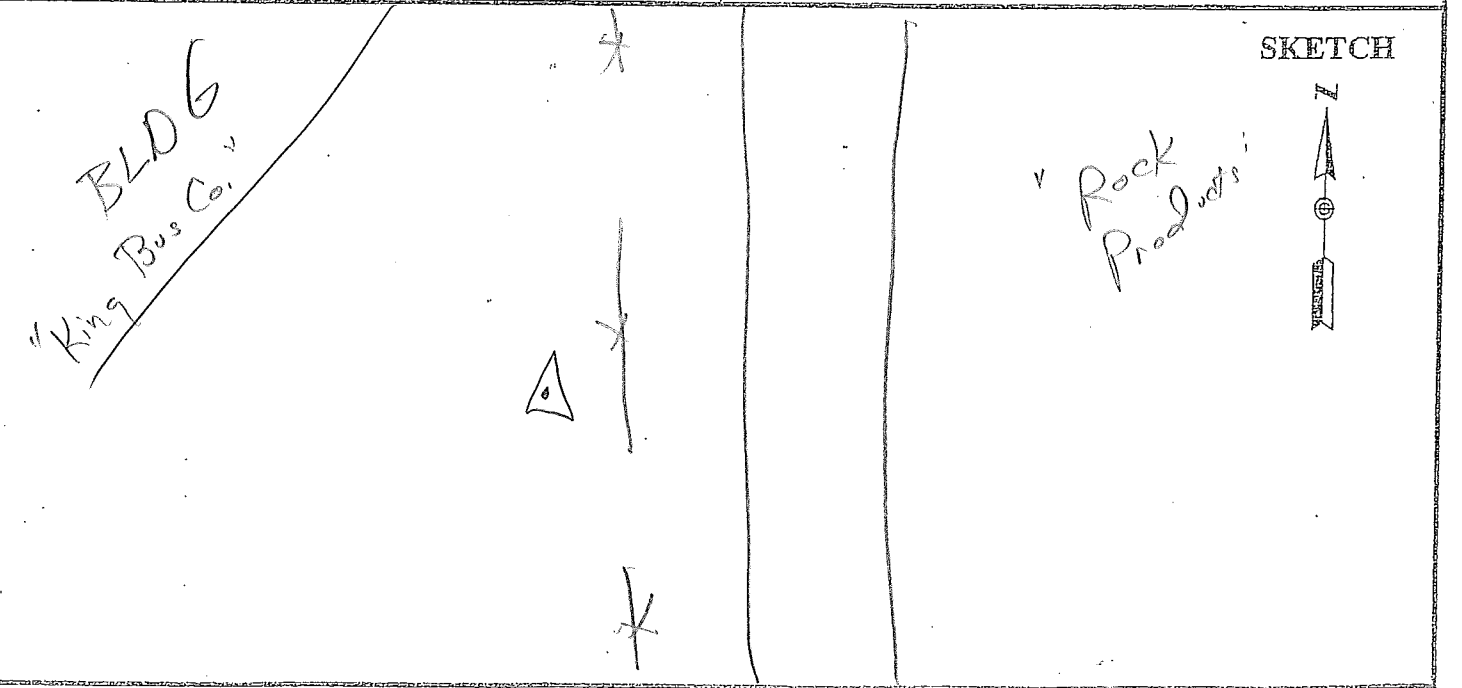
1644

OBSTRUCTIONS: bdg NW

STATION DESCRIPTIONS in parking lot

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
<u>2022</u>	<u>4.4</u>	<u>6/6</u>

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

hand AME
 JPT

PROJECT 111105
 OPERATOR MB
 DATE 3.5.12

SITE NUMBER 8
 SITE NAME 1018

TRACKING TIMES (LOCAL) MEASURE _____
 START 3:27 P
 STOP 4:12 P

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

HEIGHT READINGS MTS FT
1.400 _____
 1.760

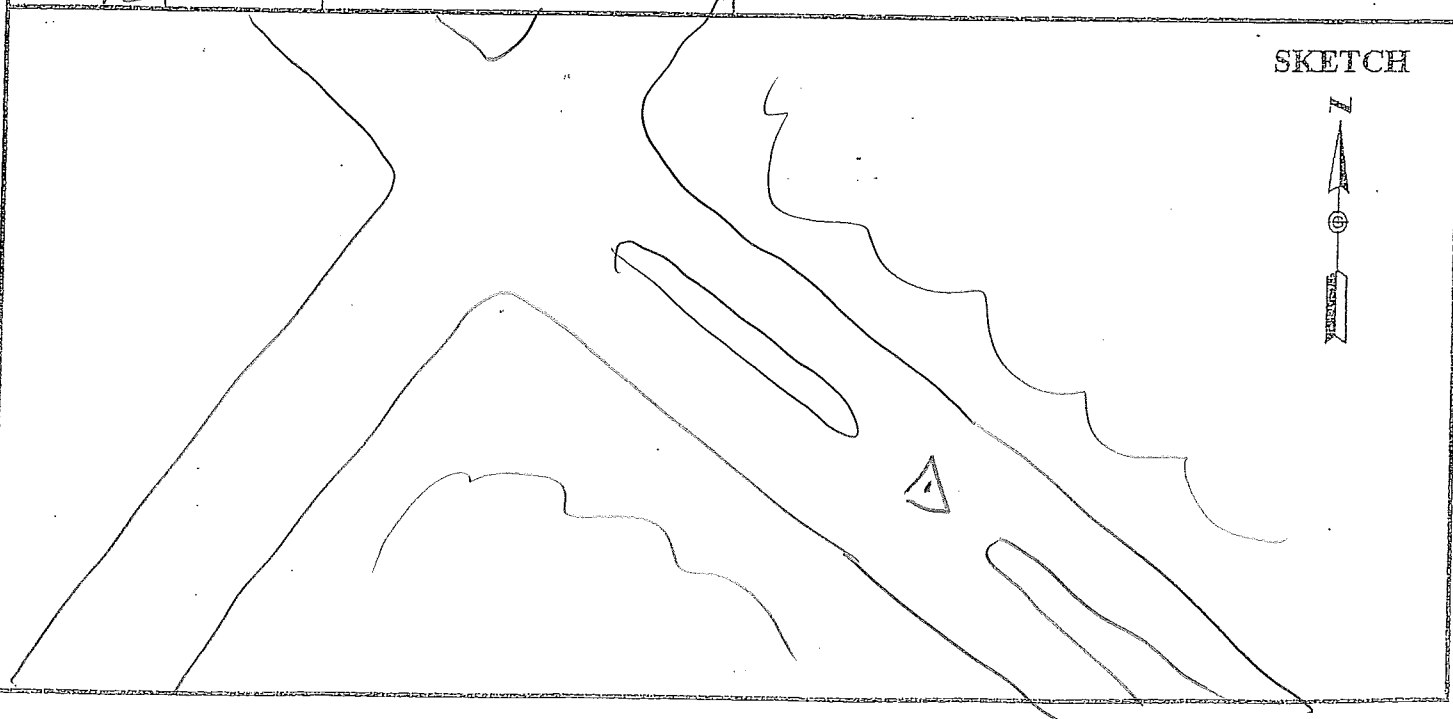
OBSTRUCTIONS: trees N ↔ E
W ↔ S

STATION DESCRIPTIONS center of road

SATELLITE OBSERVATIONS

TIME	GDOP	SATELLITES
0537	2.8	6/7
0612		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



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

AME
 hand ✓

PROJECT 111105
 OPERATOR NB
 DATE 3.6.12

SITE NUMBER 4
 SITE NAME 1019

TRACKING TIMES (LOCAL) MEASURE
 START 10:39g.
 STOP 11:24g.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: none

HEIGHT READINGS MTS FT
1.380

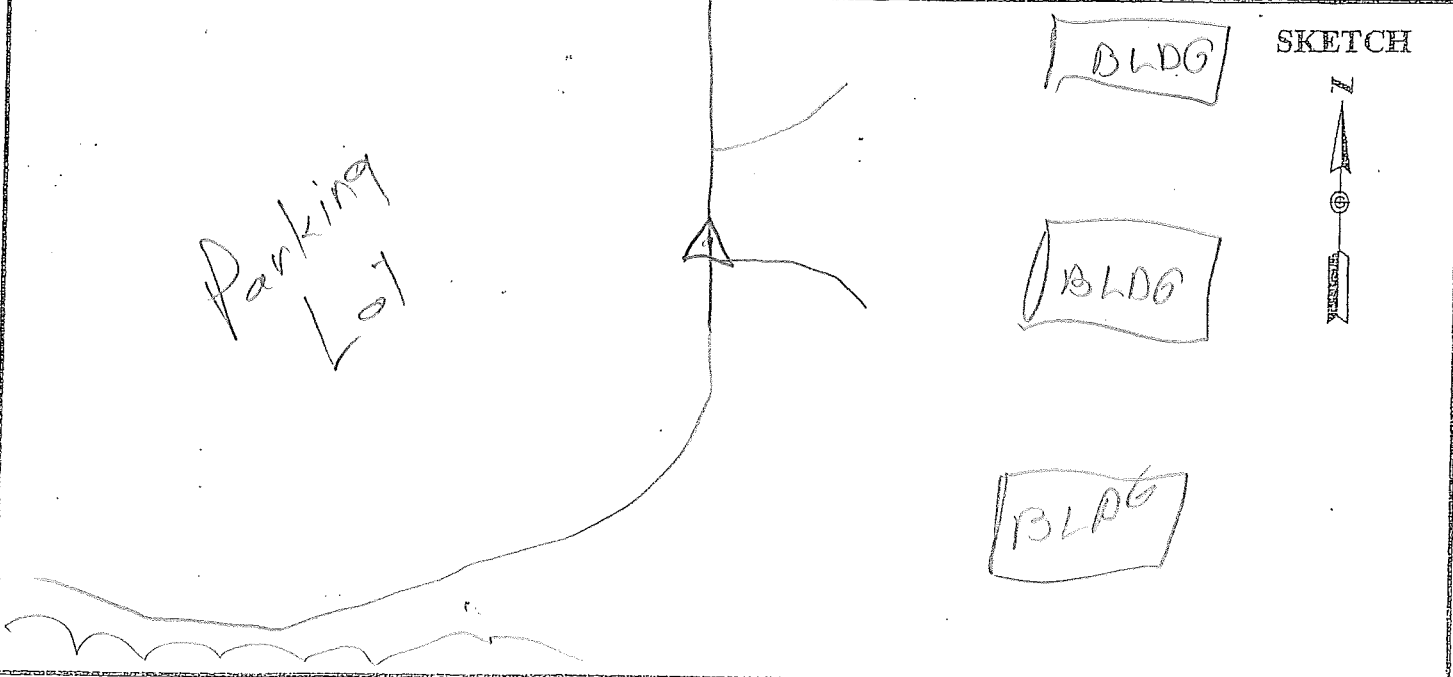
STATION DESCRIPTIONS E. side parking lot

1.740

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
0039	2.7	9/9
0124	2.3	8/8



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

AME
 hand JPT

PROJECT 111105
 OPERATOR MB
 DATE 3-7-12

SITE NUMBER 3
 SITE NAME 1020

TRACKING TIMES (LOCAL) MEASURE
 START 9:34 a.
 STOP 10:19 a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: none

HEIGHT READINGS MTS FT
1.397 _____
 1757

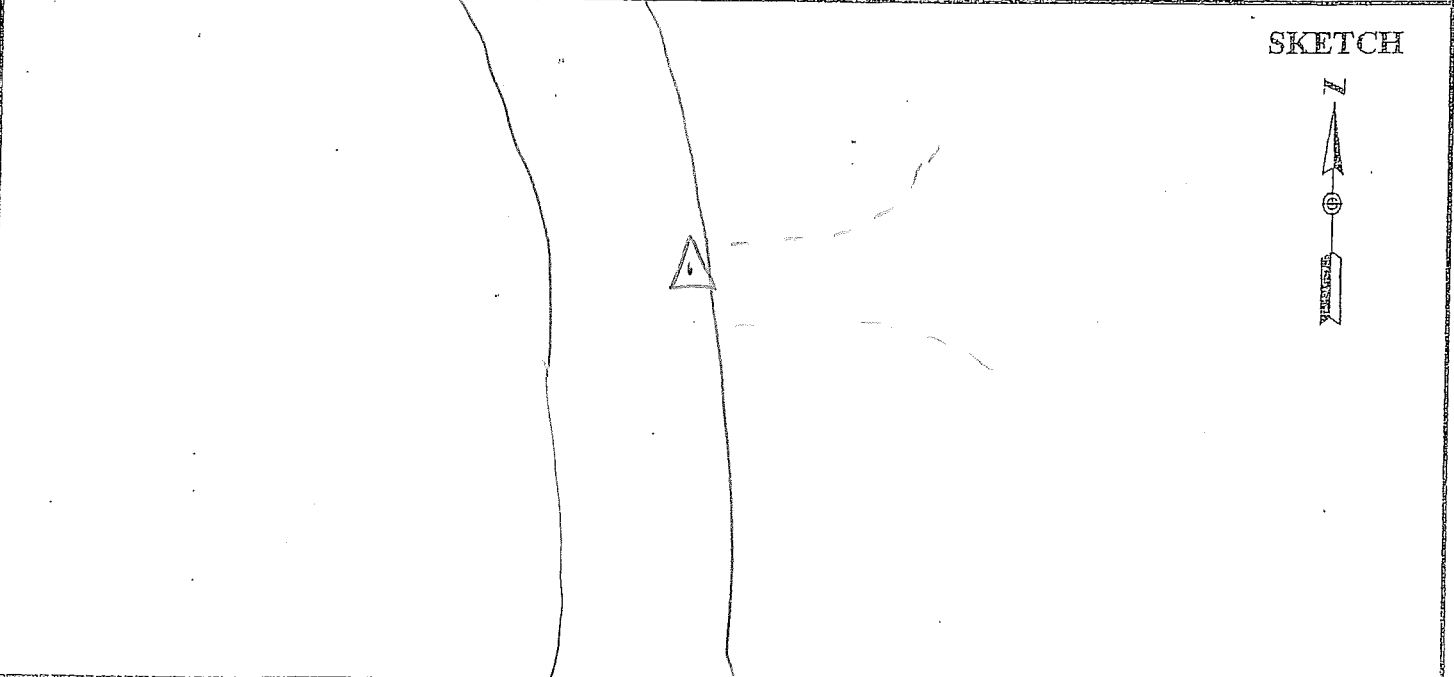
STATION DESCRIPTIONS E. side road

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
2334	2.1	10/10
0019		

SKETCH



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

H+V CONTROL


PROJECT <u>111105</u> OPERATOR <u>WJN</u> DATE <u>2/29/12</u>	SITE NUMBER <u>7</u> SITE NAME <u>BEACH</u>
---	--

TRACKING TIMES (LOCAL) MEASURE <u>GMT +10</u> START <u>9:03</u> STOP <u>9:38</u>	SENSOR TYPE <u>500</u> 9500 399 299 MEMORY CARD <u>14</u> BATTERY NO. _____ CONTROLLER NO. _____ SENSOR NO. _____
--	---

SENSOR CONSTANT 299/399 0.441 399E/9500 0.389 500 <u>0.360</u>	OBSTRUCTIONS: _____ _____ _____
HEIGHT READINGS MTS FT <u>1.236</u> _____	STATION DESCRIPTIONS <u>BRUSH</u> <u>IN CONC MKD</u> <u>"BEACH 1963"</u> <u>GUAM DLM</u>

SATELLITE OBSERVATIONS	WEATHER CONDITIONS/IMPORTANT OBSERVATIONS <u>RAIN</u>
------------------------	--

TIME	GDOP	SATELLITES
<u>23:03</u>	<u>2.1</u>	<u>7/7-9</u>
<u>23:38</u>	<u>2.7</u>	<u>8/8-8</u>

<p><i>NIMITZ BEACH PARK</i></p> <p><i>PARKING LOT</i></p>	<p><i>SHORT GRASS</i></p> <p>ϕ</p> <p><i>A</i></p>	<p style="font-size: 2em; text-align: center;">②</p>	<p style="text-align: right;">SKETCH</p> <div style="text-align: center;">  </div> <p><i>BRUSH</i></p> <p>$\pm 30'$ W OF ϕ ②</p> <p>$\pm 9'$ SE OF - CONC. PPL</p> <p>$\pm 15'$ E OF <i>E. ROSE PARKING LOT</i></p>
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AERO-METRIC, INC.
 4020 TECHNOLOGY PARKWAY
 SHEBOYGAN, WISCONSIN 53083

GGN 0001

PROJECT 111105
 OPERATOR WJN
 DATE 3/6/12

SITE NUMBER 11
 SITE NAME 1610

TRACKING TIMES (LOCAL) MEASURE GMT+10
 START 16 10
 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: _____

HEIGHT READINGS MTS FT
 1.255 _____

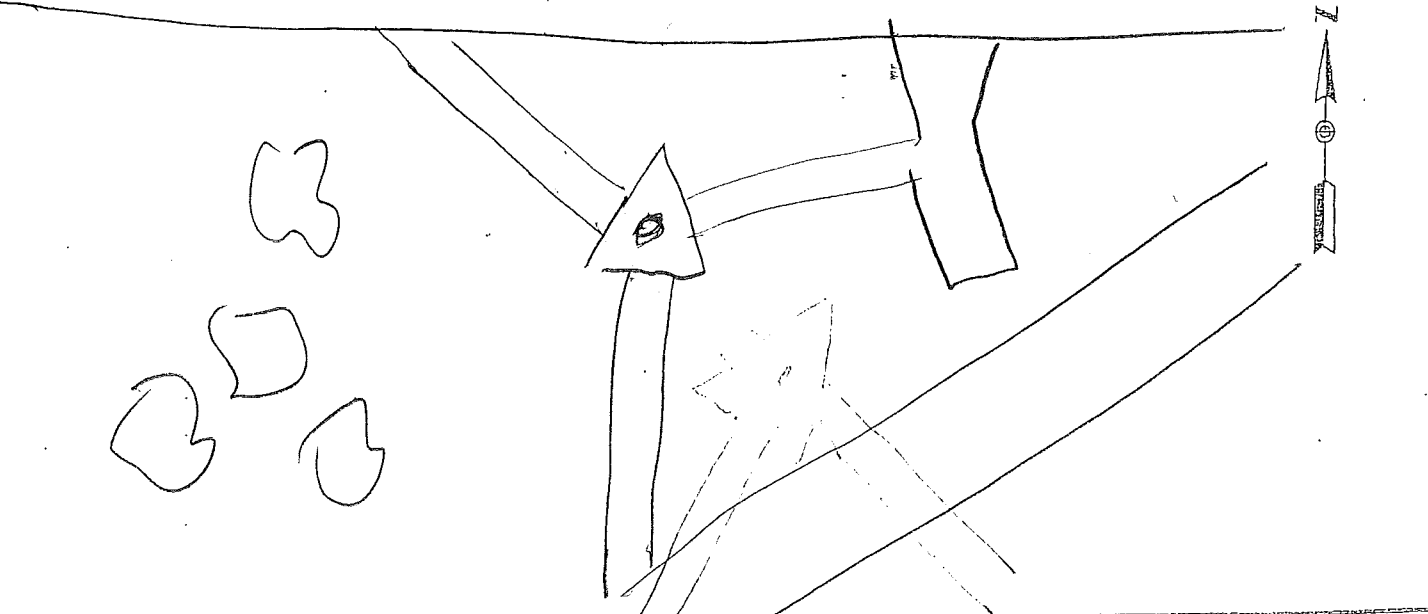
STATION DESCRIPTIONS E, E INT
WALKS @ 1' DIA BRASS
MON FOR GGN 0001

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>6 10</u>		

SKETCH



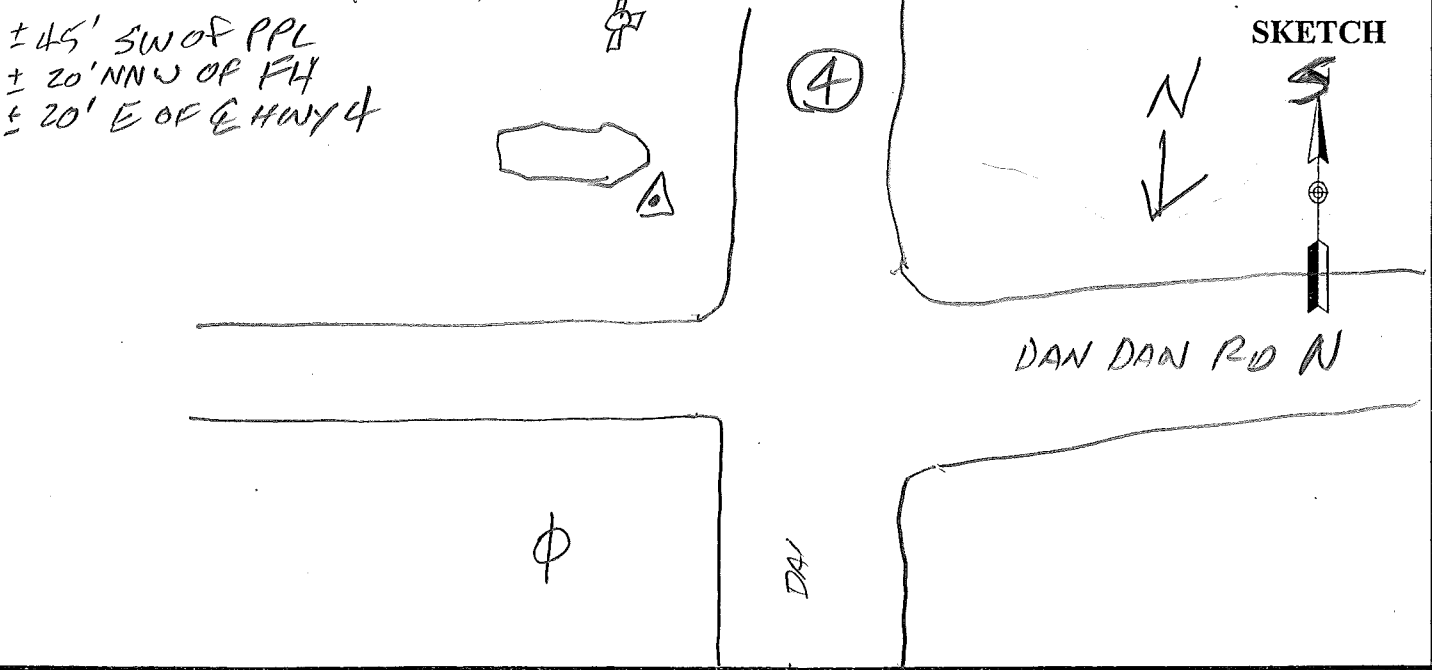
AERO-METRIC, INC.
4020 TECHNOLOGY PARKWAY
SHEBOYGAN, WISCONSIN 53083

PROJECT <u>111105</u>	SITE NUMBER <u>2</u>
OPERATOR <u>WJN</u>	SITE NAME <u>GGN 2205</u>
DATE <u>2/29/12</u>	

TRACKING TIMES (LOCAL) MEASURE <u>CMT+10</u>	SENSOR TYPE <u>500</u> 9500 399 299
START <u>10:20</u>	MEMORY CARD <u>14</u>
STOP <u>10:52</u>	BATTERY NO. _____
	CONTROLLER NO. _____
	SENSOR NO. _____

SENSOR CONSTANT 299/399 0.441 399E/9500 0.389 500 <u>0.360</u>	OBSTRUCTIONS: <u>TREES N.</u>
HEIGHT READINGS MTS FT <u>1.221</u> _____	STATION DESCRIPTIONS <u>BRASS DISK</u> <u>IN CONC. W/CAST IRON</u> <u>COVER MKD:</u> <u>"2205"</u> <u>As described by NGS</u>

SATELLITE OBSERVATIONS			WEATHER CONDITIONS/IMPORTANT OBSERVATIONS
TIME	GDOP	SATELLITES	
0024	2.8	9/9-9	
0052	2.8	9/9-9	



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

H + V CONTROL

PROJECT 111105
 OPERATOR MB
 DATE 2.29.12

SITE NUMBER 2
 SITE NAME NCS

TRACKING TIMES (LOCAL) MEASURE
 START 9:12 a.
 STOP 9:42 a.

SENSOR TYPE 500 9500 399 299
 MEMORY CARD 704
 BATTERY NO. CB
 CONTROLLER NO. _____
 SENSOR NO. _____

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

OBSTRUCTIONS: WT north

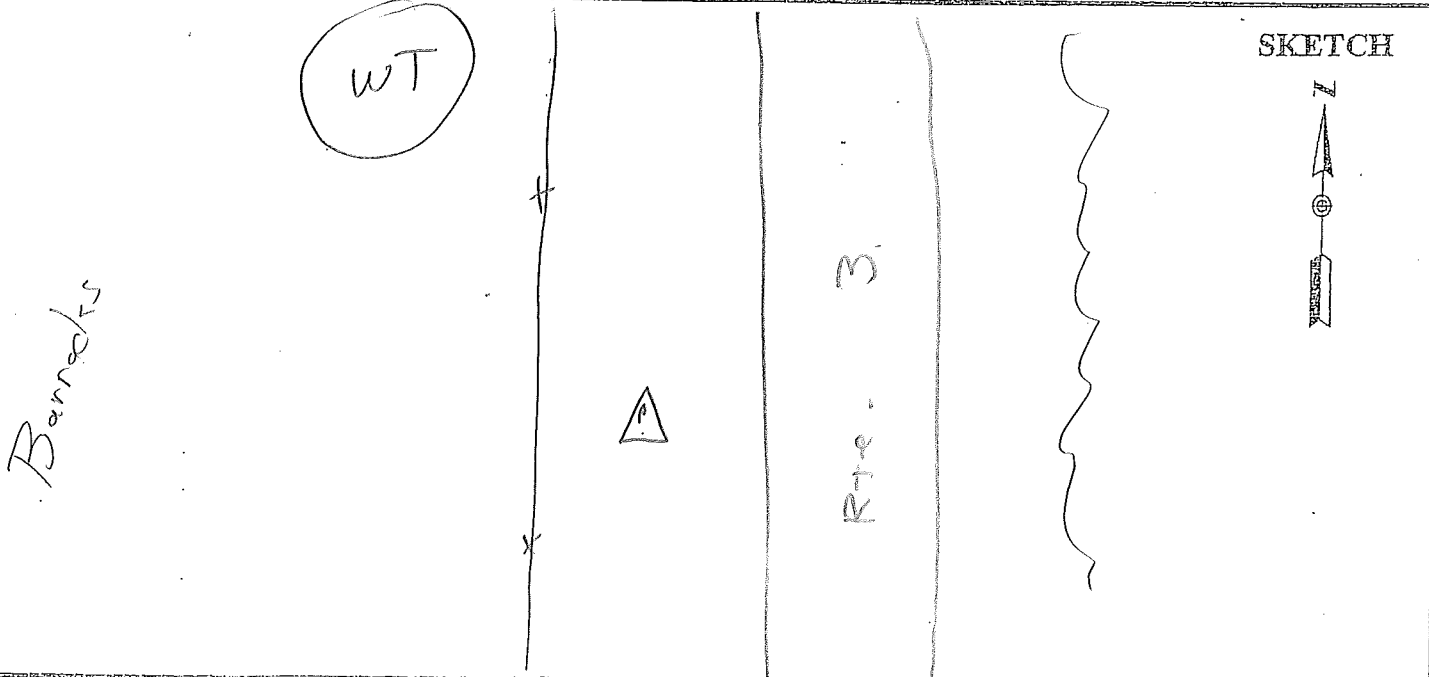
HEIGHT READINGS MTS FT
1.428 _____
 1.778

STATION DESCRIPTIONS find Triangulation
Station cap "NCS 1968"

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
1812	4.6	7/7
1842		



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

PROJECT 111105
OPERATOR WJN
DATE 3/3/12

SITE NUMBER 1
SITE NAME NCS

TRACKING TIMES (LOCAL) MEASURE GMT+10
START 7:16
STOP 8:51

SENSOR TYPE (500) 9500 399 299
MEMORY CARD 603
BATTERY NO. _____
CONTROLLER NO. _____
SENSOR NO. _____

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

OBSTRUCTIONS: WATER TOWER
NNE

HEIGHT READINGS MTS FT
1.277 _____

STATION DESCRIPTIONS BRASS DISK
"NCS 1963"

1.637

SATELLITE OBSERVATIONS

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS

TIME	GDOP	SATELLITES
<u>21:16</u>	<u>2.0</u>	<u>11/11-71</u>
<u>22:51</u>	<u>2.8</u>	<u>9/9-9</u>

MC

As Before described

SKETCH



671-171-4711

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

H + V CONTROL

PROJECT	<u>111105</u>	SITE NUMBER	<u>1</u>
OPERATOR	<u>MB</u>	SITE NAME	<u>Y160 GG</u>
DATE	<u>2-28-12</u>		

TRACKING TIMES (LOCAL) MEASURE		SENSOR TYPE	500	9500	399	299
START	<u>8:06 a.</u>	MEMORY CARD	<u>704</u>			
STOP	<u>8:36 a.</u>	BATTERY NO.	<u>CB</u>			
		CONTROLLER NO.	_____			
		SENSOR NO.	_____			

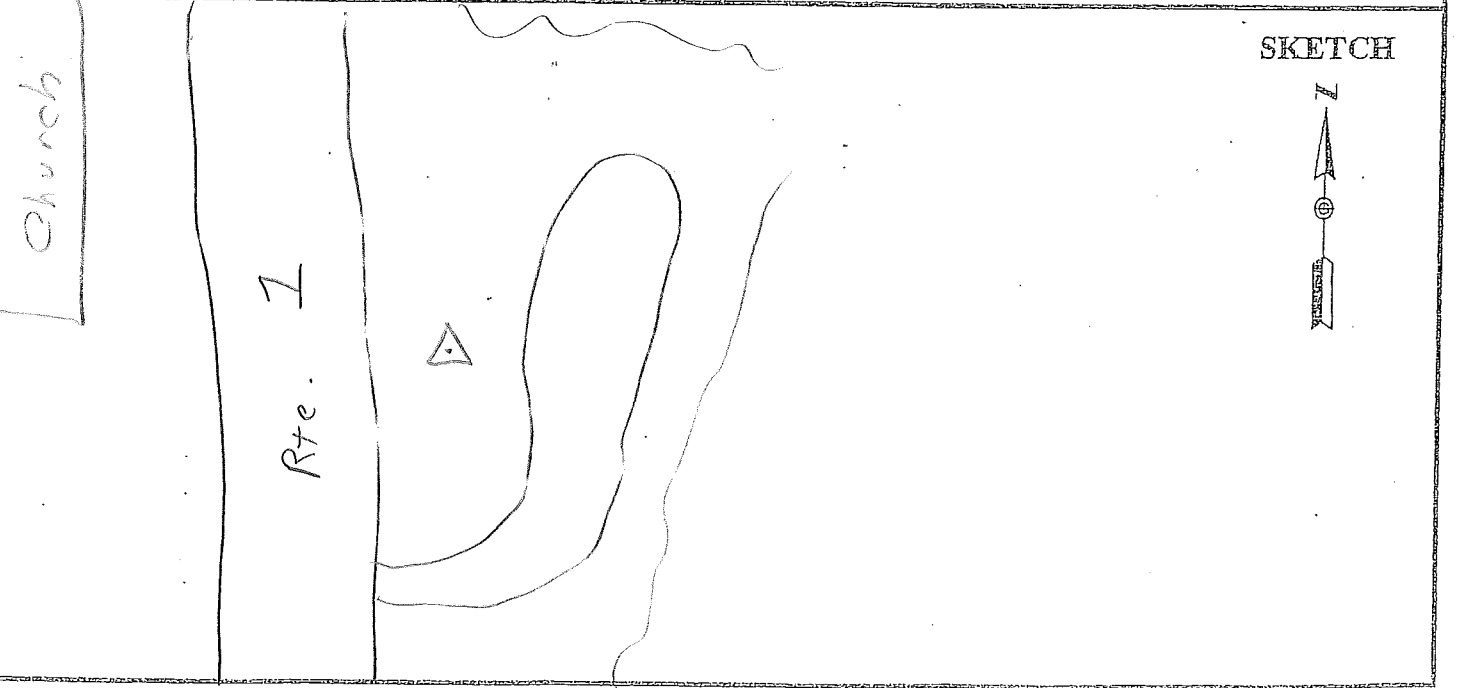
SENSOR CONSTANT	299/399	0.441
	399E/9500	0.389
	<u>500</u>	<u>0.360</u>
HEIGHT READINGS	MTS	FT
	<u>1.341</u>	<u>1,701</u>

OBSTRUCTIONS: trees SW

STATION DESCRIPTIONS Prod Guam
Geodetic Triangulation cap
"Y160"

SATELLITE OBSERVATIONS		
TIME	GDOP	SATELLITES
<u>1706</u>	<u>2.9</u>	<u>8/8</u>
<u>1736</u>		

WEATHER CONDITIONS/IMPORTANT OBSERVATIONS



04:59:24, Thu Mar 22, 2012

INI file: C:\WINNT\GEOLAB.INI
 Input file: Y:\1111105\GEOMAT~1\SURVEY\GEO\C_WGS84.IOB
 Output file: Y:\1111105\GEOMAT~1\SURVEY\GEO\C_WGS84.LST

PARAMETERS		OBSERVATIONS	
Description	Number	Description	Number
No. of Stations	159	Directions	0
Coord Parameters	471	Distances	0
Free Latitudes	157	Azimuths	0
Free Longitudes	157	Vertical Angles	0
Free Heights	157	Zenithal Angles	0
Fixed Coordinates	6	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.	1233
Rotation Pars.	0		
Translation Pars.	0		
	-----		-----
Total Parameters	471	Total Observations	1233
Degrees of Freedom =		762	

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	1505285.064 0.004	268054.997 0.004	201.983 0.006	UTM 55
SFMC		1	1.00026553	0-30 16.468688	UTM 55	
NEO	000	10	1499672.842 0.017	267360.180 0.017	180.140 0.017	UTM 55
SFMC		10	1.00026953	0-30 14.856632	UTM 55	
NEO	000	1001	1505769.159 0.007	266565.795 0.007	205.828 0.009	UTM 55
SFMC		1001	1.00027411	0-30 28.730580	UTM 55	
NEO	000	1002	1467932.997 0.025	246973.739 0.025	57.349 0.026	UTM 55
SFMC		1002	1.00039206	0-32 10.434519	UTM 55	
NEO	000	1003	1483686.656 0.006	248372.377 0.006	85.718 0.007	UTM 55
SFMC		1003	1.00038331	0-32 21.131247	UTM 55	
NEO	000	1004	1495413.785 0.010	263669.808 0.010	126.461 0.010	UTM 55
SFMC		1004	1.00029095	0-30 38.186526	UTM 55	
NEO	000	1005	1489495.224 0.006	265601.725 0.006	167.909 0.006	UTM 55
SFMC		1005	1.00027970	0-30 15.690590	UTM 55	
NEO	000	1006	1494518.591 0.008	262290.930 0.008	59.309 0.008	UTM 55
SFMC		1006	1.00029903	0-30 47.752988	UTM 55	
NEO	000	101	1501093.773 0.006	267415.966 0.006	186.838 0.010	UTM 55
SFMC		101	1.00026921	0-30 16.205684	UTM 55	
NEO	000	1011	1508925.382 0.008	267776.244 0.008	204.848 0.008	UTM 55
SFMC		1011	1.00026713	0-30 23.215013	UTM 55	
NEO	000	1012	1468324.086 0.024	255972.024 0.024	57.578 0.024	UTM 55
SFMC		1012	1.00033672	0-31 2.368599	UTM 55	
NEO	000	1013	1467756.799 0.019	247366.653 0.019	59.817 0.020	UTM 55
SFMC		1013	1.00038960	0-32 7.200451	UTM 55	
NEO	000	1014	1482157.023 0.010	251943.028 0.010	206.079 0.012	UTM 55
SFMC		1014	1.00036124	0-31 51.570285	UTM 55	
NEO	000	1015	1496070.564 0.008	265666.648 0.008	154.819 0.008	UTM 55
SFMC		1015	1.00027932	0-30 23.500206	UTM 55	
NEO	000	1016	1491282.915 0.011	268214.501 0.011	83.865 0.011	UTM 55
SFMC		1016	1.00026463	0-29 57.705311	UTM 55	
NEO	000	1017	1489217.911 0.002	265448.893 0.002	161.798 0.003	UTM 55
SFMC		1017	1.00028059	0-30 16.522534	UTM 55	
NEO	000	1018	1491974.269 0.005	267550.017 0.005	191.524 0.005	UTM 55
SFMC		1018	1.00026844	0-30 3.721057	UTM 55	
NEO	000	1019	1482946.415	259656.492	63.944	UTM 55

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
			0.006	0.006	0.006	
SFMC		1019	1.00031462	0-30 53.211704	UTM 55	
NEO	000	1020	1484084.968	256565.184	149.068	UTM 55
			0.007	0.007	0.007	
SFMC		1020	1.00033313	0-31 18.517720	UTM 55	
NEO	000	103	1477729.893	256903.868	146.829	UTM 55
			0.018	0.018	0.019	
SFMC		103	1.00033109	0-31 7.580483	UTM 55	
NEO	000	104	1499609.368	266491.419	165.363	UTM 55
			0.006	0.006	0.006	
SFMC		104	1.00027454	0-30 21.547604	UTM 55	
NEO	000	105	1495888.229	265031.104	146.745	UTM 55
			0.007	0.007	0.008	
SFMC		105	1.00028301	0-30 28.209919	UTM 55	
NEO	000	106	1494904.580	266249.992	151.502	UTM 55
			0.008	0.008	0.008	
SFMC		106	1.00027594	0-30 17.494529	UTM 55	
NEO	000	107	1487878.340	262923.866	129.250	UTM 55
			0.003	0.003	0.004	
SFMC		107	1.00029532	0-30 34.346583	UTM 55	
NEO	000	108	1486522.222	260495.748	100.295	UTM 55
			0.003	0.003	0.004	
SFMC		108	1.00030964	0-30 51.364021	UTM 55	
NEO	000	109	1487309.381	258362.938	100.032	UTM 55
			0.005	0.005	0.006	
SFMC		109	1.00032234	0-31 8.859705	UTM 55	
NEO	000	110	1493944.757	259114.784	93.740	UTM 55
			0.007	0.007	0.008	
SFMC		110	1.00031784	0-31 11.671456	UTM 55	
NEO	000	1101	1471453.251	257494.953	148.641	UTM 55
			0.021	0.021	0.023	
SFMC		1101	1.00032755	0-30 54.844265	UTM 55	
NEO	000	1103	1476957.551	258376.080	68.523	UTM 55
			0.014	0.014	0.016	
SFMC		1103	1.00032226	0-30 55.276116	UTM 55	
NEO	000	1104	1494605.085	264392.995	122.328	UTM 55
			0.007	0.007	0.007	
SFMC		1104	1.00028672	0-30 31.538917	UTM 55	
NEO	000	1105	1493973.759	264202.686	114.093	UTM 55
			0.006	0.006	0.007	
SFMC		1105	1.00028783	0-30 32.213762	UTM 55	
NEO	000	1106	1490704.437	258169.053	95.104	UTM 55
			0.006	0.006	0.006	
SFMC		1106	1.00032349	0-31 14.785431	UTM 55	
NEO	000	1107	1491104.768	262726.656	141.462	UTM 55
			0.007	0.007	0.007	
SFMC		1107	1.00029648	0-30 39.999710	UTM 55	
NEO	000	1108	1490311.356	256915.202	59.654	UTM 55
			0.005	0.005	0.005	
SFMC		1108	1.00033102	0-31 23.980650	UTM 55	
NEO	000	1109	1490583.823	252992.994	59.934	UTM 55
			0.003	0.003	0.004	

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
SFMC		1109	1.00035480	0-31 54.710240	UTM 55	
NEO	000	111	1495781.438 0.012	263621.704 0.012	133.999 0.012	UTM 55
SFMC		111	1.00029123	0-30 39.029230	UTM 55	
NEO	000	1110	1489123.238 0.006	251501.219 0.006	149.357 0.006	UTM 55
SFMC		1110	1.00036395	0-32 4.304274	UTM 55	
NEO	000	1111	1491112.903 0.003	255083.478 0.003	59.134 0.003	UTM 55
SFMC		1111	1.00034208	0-31 39.221258	UTM 55	
NEO	000	1201	1485012.503 0.006	248346.574 0.006	58.773 0.006	UTM 55
SFMC		1201	1.00038347	0-32 23.128731	UTM 55	
NEO	000	1202	1475755.934 0.014	258169.501 0.014	99.290 0.015	UTM 55
SFMC		1202	1.00032350	0-30 55.295068	UTM 55	
NEO	000	1203	1470969.018 0.019	246509.930 0.019	99.756 0.020	UTM 55
SFMC		1203	1.00039496	0-32 18.113353	UTM 55	
NEO	000	1204	1497287.261 0.002	271378.659 0.002	183.697 0.002	UTM 55
SFMC		1204	1.00024660	0-29 40.592898	UTM 55	
NEO	000	1205	1502190.202 0.003	271208.457 0.004	231.296 0.004	UTM 55
SFMC		1205	1.00024756	0-29 47.971936	UTM 55	
NEO	000	1206	1496739.054 0.004	273557.011 0.004	222.271 0.005	UTM 55
SFMC		1206	1.00023434	0-29 22.972190	UTM 55	
NEO	000	1207	1492002.961 0.005	263968.475 0.005	180.040 0.005	UTM 55
SFMC		1207	1.00028920	0-30 31.522499	UTM 55	
NEO	000	1208	1491380.957 0.002	254295.625 0.002	66.837 0.002	UTM 55
SFMC		1208	1.00034686	0-31 45.679611	UTM 55	
NEO	000	1209	1492122.052 0.006	261259.047 0.007	133.011 0.007	UTM 55
SFMC		1209	1.00030512	0-30 52.679560	UTM 55	
NEO	000	1210	1489558.690 0.007	250179.013 0.007	59.921 0.008	UTM 55
SFMC		1210	1.00037210	0-32 15.118742	UTM 55	
NEO	000	1211	1488890.229 0.011	247630.791 0.011	58.940 0.012	UTM 55
SFMC		1211	1.00038793	0-32 33.926048	UTM 55	
NEO	000	1301	1471909.425 0.020	257524.679 0.020	148.436 0.022	UTM 55
SFMC		1301	1.00032737	0-30 55.212878	UTM 55	
NEO	000	1302	1473278.352 0.018	257851.695 0.018	151.951 0.019	UTM 55
SFMC		1302	1.00032541	0-30 54.498835	UTM 55	
NEO	000	1303	1474104.739 0.015	247855.932 0.015	283.528 0.016	UTM 55
SFMC		1303	1.00038654	0-32 12.091981	UTM 55	

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
NEO	000	1304	1496293.329 0.003	270976.777 0.003	182.475 0.004	UTM 55
SFMC		1304	1.00024888	0-29 42.491708	UTM 55	
NEO	000	1305	1497420.965 0.005	274413.793 0.005	299.117 0.006	UTM 55
SFMC		1305	1.00022954	0-29 17.137719	UTM 55	
NEO	000	1306	1493169.115 0.008	269832.656 0.008	209.316 0.010	UTM 55
SFMC		1306	1.00025538	0-29 47.508500	UTM 55	
NEO	000	1307	1495338.084 0.008	263697.835 0.008	123.356 0.008	UTM 55
SFMC		1307	1.00029078	0-30 37.872228	UTM 55	
NEO	000	1308	1490532.579 0.006	260882.727 0.006	126.801 0.006	UTM 55
SFMC		1308	1.00030735	0-30 53.546963	UTM 55	
NEO	000	1309	1490902.064 0.003	253334.375 0.003	58.582 0.004	UTM 55
SFMC		1309	1.00035271	0-31 52.490129	UTM 55	
NEO	000	1310	1490759.484 0.005	251960.315 0.005	58.857 0.005	UTM 55
SFMC		1310	1.00036112	0-32 2.941730	UTM 55	
NEO	000	1311	1489412.859 0.005	253090.904 0.005	221.881 0.005	UTM 55
SFMC		1311	1.00035420	0-31 52.392806	UTM 55	
NEO	000	1312	1489440.074 0.004	254168.871 0.004	248.658 0.005	UTM 55
SFMC		1312	1.00034763	0-31 44.088380	UTM 55	
NEO	000	1401	1470644.108 0.020	256701.916 0.020	104.245 0.023	UTM 55
SFMC		1401	1.00033231	0-30 59.843546	UTM 55	
NEO	000	1402	1472488.701 0.019	255203.158 0.019	133.349 0.022	UTM 55
SFMC		1402	1.00034136	0-31 13.720724	UTM 55	
NEO	000	1403	1479320.029 0.013	258595.609 0.013	64.604 0.016	UTM 55
SFMC		1403	1.00032095	0-30 56.665338	UTM 55	
NEO	000	1404	1483033.828 0.007	246919.306 0.007	58.086 0.008	UTM 55
SFMC		1404	1.00039239	0-32 31.437779	UTM 55	
NEO	000	1405	1499564.926 0.005	273053.820 0.005	230.381 0.005	UTM 55
SFMC		1405	1.00023716	0-29 30.347455	UTM 55	
NEO	000	1406	1501848.069 0.004	272131.164 0.004	238.729 0.005	UTM 55
SFMC		1406	1.00024235	0-29 40.346720	UTM 55	
NEO	000	1407	1499018.620 0.007	275251.391 0.007	214.874 0.007	UTM 55
SFMC		1407	1.00022488	0-29 12.557073	UTM 55	
NEO	000	1408	1495423.048 0.005	269093.234 0.005	174.390 0.006	UTM 55
SFMC		1408	1.00025959	0-29 56.053621	UTM 55	
NEO	000	1409	1492541.627	264514.151	194.729	UTM 55

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
			0.005	0.005	0.006	
SFMC		1409	1.00028602	0-30 27.976546	UTM 55	
NEO	000	1410	1491527.512	259849.258	120.299	UTM 55
			0.006	0.006	0.007	
SFMC		1410	1.00031347	0-31 2.838826	UTM 55	
NEO	000	1501	1469879.266	256617.125	59.760	UTM 55
			0.022	0.022	0.025	
SFMC		1501	1.00033282	0-30 59.488565	UTM 55	
NEO	000	1502	1473749.213	254828.783	139.053	UTM 55
			0.018	0.018	0.019	
SFMC		1502	1.00034363	0-31 18.247940	UTM 55	
NEO	000	1503	1480683.126	257751.209	148.640	UTM 55
			0.011	0.011	0.012	
SFMC		1503	1.00032600	0-31 4.932733	UTM 55	
NEO	000	1504	1481143.420	247877.028	119.942	UTM 55
			0.008	0.008	0.009	
SFMC		1504	1.00038640	0-32 21.492249	UTM 55	
NEO	000	1505	1496179.903	271585.075	190.121	UTM 55
			0.003	0.003	0.004	
SFMC		1505	1.00024543	0-29 37.621771	UTM 55	
NEO	000	1506	1500720.700	272635.569	241.590	UTM 55
			0.005	0.005	0.005	
SFMC		1506	1.00023951	0-29 35.025629	UTM 55	
NEO	000	1507	1495113.653	271474.455	202.218	UTM 55
			0.004	0.004	0.005	
SFMC		1507	1.00024606	0-29 37.167114	UTM 55	
NEO	000	1508	1490823.847	259274.203	118.340	UTM 55
			0.006	0.006	0.006	
SFMC		1508	1.00031689	0-31 6.381406	UTM 55	
NEO	000	1509	1490872.314	254479.761	61.317	UTM 55
			0.003	0.003	0.003	
SFMC		1509	1.00034574	0-31 43.579373	UTM 55	
NEO	000	1510	1490133.356	251353.699	57.857	UTM 55
			0.005	0.005	0.006	
SFMC		1510	1.00036485	0-32 6.799912	UTM 55	
NEO	000	1511	1490621.564	252493.029	58.407	UTM 55
			0.004	0.004	0.005	
SFMC		1511	1.00035786	0-31 58.632085	UTM 55	
NEO	000	1512	1489651.960	248928.452	60.484	UTM 55
			0.009	0.009	0.010	
SFMC		1512	1.00037985	0-32 24.921412	UTM 55	
NEO	000	1513	1486027.699	249035.578	67.295	UTM 55
			0.011	0.011	0.011	
SFMC		1513	1.00037919	0-32 19.187969	UTM 55	
NEO	000	1601	1469887.421	256618.945	59.627	UTM 55
			0.022	0.022	0.024	
SFMC		1601	1.00033281	0-30 59.485363	UTM 55	
NEO	000	1602	1467896.388	255087.662	57.824	UTM 55
			0.024	0.024	0.026	
SFMC		1602	1.00034207	0-31 8.546898	UTM 55	
NEO	000	1603	1475435.475	257644.572	57.667	UTM 55
			0.018	0.017	0.021	

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
SFMC		1603	1.00032665	0-30 58.899779	UTM 55	
NEO	000	1604	1471314.262 0.015	246888.279 0.015	59.115 0.016	UTM 55
SFMC		1604	1.00039259	0-32 15.694398	UTM 55	
NEO	000	1605	1496162.284 0.003	271475.078 0.003	189.092 0.004	UTM 55
SFMC		1605	1.00024606	0-29 38.455322	UTM 55	
NEO	000	1606	1494214.932 0.006	270829.933 0.006	222.966 0.006	UTM 55
SFMC		1606	1.00024971	0-29 41.063571	UTM 55	
NEO	000	1607	1494479.052 0.006	263900.388 0.006	111.888 0.007	UTM 55
SFMC		1607	1.00028960	0-30 35.204083	UTM 55	
NEO	000	1608	1492560.994 0.005	264477.737 0.005	191.808 0.005	UTM 55
SFMC		1608	1.00028623	0-30 28.283554	UTM 55	
NEO	000	1609	1489108.223 0.005	260378.145 0.005	74.790 0.005	UTM 55
SFMC		1609	1.00031033	0-30 55.613678	UTM 55	
NEO	000	1610	1491388.485 0.002	254265.275 0.002	67.198 0.003	UTM 55
SFMC		1610	1.00034704	0-31 45.924742	UTM 55	
NEO	000	2	1467292.825 0.026	248093.237 0.026	57.401 0.027	UTM 55
SFMC		2	1.00038506	0-32 1.034512	UTM 55	
NEO	000	201	1509516.988 0.011	267738.615 0.011	77.648 0.013	UTM 55
SFMC		201	1.00026735	0-30 24.252330	UTM 55	
NEO	000	202	1502317.148 0.004	268311.305 0.004	199.532 0.007	UTM 55
SFMC		202	1.00026407	0-30 10.750713	UTM 55	
NEO	000	203	1468784.151 0.024	248413.008 0.024	165.374 0.024	UTM 55
SFMC		203	1.00038307	0-32 0.618784	UTM 55	
NEO	000	204	1476004.060 0.022	257789.237 0.022	135.572 0.024	UTM 55
SFMC		204	1.00032578	0-30 58.533259	UTM 55	
NEO	000	205	1498962.879 0.007	265800.342 0.007	170.537 0.007	UTM 55
SFMC		205	1.00027854	0-30 26.116277	UTM 55	
NEO	000	206	1498601.506 0.008	264508.781 0.008	152.443 0.009	UTM 55
SFMC		206	1.00028605	0-30 35.718040	UTM 55	
NEO	000	207	1489174.609 0.012	265438.755 0.012	161.165 0.014	UTM 55
SFMC		207	1.00028064	0-30 16.546203	UTM 55	
NEO	000	208	1480398.305 0.009	258760.999 0.009	65.245 0.009	UTM 55
SFMC		208	1.00031996	0-30 56.796434	UTM 55	
NEO	000	209	1488558.789 0.004	262339.931 0.004	129.688 0.005	UTM 55
SFMC		209	1.00029875	0-30 39.732393	UTM 55	

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
NEO	000	210	1484883.058 0.007	256250.351 0.007	188.028 0.007	UTM 55
SFMC		210	1.00033502	0-31 21.993447	UTM 55	
NEO	000	3	1477395.255 0.018	256915.684 0.018	143.837 0.018	UTM 55
SFMC		3	1.00033102	0-31 7.051489	UTM 55	
NEO	000	301	1506565.571 0.008	266515.265 0.008	192.765 0.009	UTM 55
SFMC		301	1.00027440	0-30 30.130193	UTM 55	
NEO	000	303	1479325.813 0.015	255616.287 0.015	154.381 0.016	UTM 55
SFMC		303	1.00033886	0-31 19.563816	UTM 55	
NEO	000	304	1503741.934 0.001	268822.991 0.002	202.881 0.003	UTM 55
SFMC		304	1.00026113	0-30 8.533574	UTM 55	
NEO	000	305	1500473.428 0.006	265282.435 0.006	167.029 0.007	UTM 55
SFMC		305	1.00028154	0-30 32.064341	UTM 55	
NEO	000	306	1489385.936 0.010	265562.280 0.010	166.823 0.011	UTM 55
SFMC		306	1.00027993	0-30 15.857662	UTM 55	
NEO	000	307	1487458.651 0.003	262891.428 0.003	144.634 0.003	UTM 55
SFMC		307	1.00029551	0-30 34.060716	UTM 55	
NEO	000	308	1487872.289 0.003	263742.489 0.003	143.940 0.004	UTM 55
SFMC		308	1.00029053	0-30 28.010979	UTM 55	
NEO	000	309	1490337.159 0.005	256933.856 0.005	59.903 0.005	UTM 55
SFMC		309	1.00033090	0-31 23.870052	UTM 55	
NEO	000	310	1496818.825 0.016	267305.615 0.016	172.224 0.017	UTM 55
SFMC		310	1.00026985	0-30 11.697819	UTM 55	
NEO	000	311	1496349.398 0.018	270976.496 0.018	181.206 0.018	UTM 55
SFMC		311	1.00024888	0-29 42.563190	UTM 55	
NEO	000	4	1483075.114 0.007	249881.001 0.007	142.547 0.008	UTM 55
SFMC		4	1.00037395	0-32 8.681333	UTM 55	
NEO	000	401	1505942.371 0.007	266444.349 0.007	202.323 0.010	UTM 55
SFMC		401	1.00027481	0-30 29.899553	UTM 55	
NEO	000	402	1466021.375 0.027	252713.332 0.027	56.765 0.028	UTM 55
SFMC		402	1.00035653	0-31 24.146411	UTM 55	
NEO	000	403	1465789.355 0.027	250564.829 0.027	56.663 0.028	UTM 55
SFMC		403	1.00036973	0-31 40.187463	UTM 55	
NEO	000	404	1480386.682 0.013	254156.165 0.013	160.691 0.014	UTM 55
SFMC		404	1.00034771	0-31 32.187551	UTM 55	
NEO	000	405	1499194.668	267868.426	190.070	UTM 55

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
			0.004	0.004	0.005	
SFMC		405	1.00026661	0-30 10.296323	UTM 55	
NEO	000	406	1492371.842	267363.159	192.291	UTM 55
			0.007	0.007	0.008	
SFMC		406	1.00026952	0-30 5.668580	UTM 55	
NEO	000	407	1487395.817	259603.767	92.098	UTM 55
			0.004	0.004	0.005	
SFMC		407	1.00031494	0-30 59.384552	UTM 55	
NEO	000	408	1480398.910	258762.437	65.153	UTM 55
			0.009	0.009	0.009	
SFMC		408	1.00031995	0-30 56.786168	UTM 55	
NEO	000	409	1486882.693	258958.184	91.011	UTM 55
			0.005	0.005	0.006	
SFMC		409	1.00031878	0-31 3.706010	UTM 55	
NEO	000	410	1496045.065	262641.208	76.146	UTM 55
			0.010	0.010	0.011	
SFMC		410	1.00029697	0-30 46.987757	UTM 55	
NEO	000	5	1499385.215	266553.363	167.334	UTM 55
			0.006	0.006	0.006	
SFMC		5	1.00027418	0-30 20.782423	UTM 55	
NEO	000	501	1509549.053	268049.028	122.889	UTM 55
			0.009	0.009	0.009	
SFMC		501	1.00026557	0-30 21.856688	UTM 55	
NEO	000	502	1501016.477	267562.476	185.254	UTM 55
			0.024	0.025	0.026	
SFMC		502	1.00026837	0-30 14.965704	UTM 55	
NEO	000	504	1480796.393	253750.513	184.148	UTM 55
			0.013	0.013	0.015	
SFMC		504	1.00035018	0-31 35.850224	UTM 55	
NEO	000	505	1494492.995	266007.962	154.082	UTM 55
			0.008	0.008	0.008	
SFMC		505	1.00027734	0-30 18.855019	UTM 55	
NEO	000	506	1492976.551	269056.828	197.190	UTM 55
			0.006	0.006	0.007	
SFMC		506	1.00025980	0-29 53.288238	UTM 55	
NEO	000	507	1489311.809	265621.147	165.553	UTM 55
			0.003	0.003	0.004	
SFMC		507	1.00027959	0-30 15.308440	UTM 55	
NEO	000	508	1482401.831	258618.917	126.322	UTM 55
			0.007	0.007	0.008	
SFMC		508	1.00032081	0-31 0.495536	UTM 55	
NEO	000	509	1485251.059	256668.411	174.537	UTM 55
			0.007	0.007	0.008	
SFMC		509	1.00033250	0-31 19.251659	UTM 55	
NEO	000	510	1495921.629	263642.209	137.262	UTM 55
			0.013	0.013	0.014	
SFMC		510	1.00029111	0-30 39.048645	UTM 55	
NEO	000	6	1487711.421	262083.842	113.873	UTM 55
			0.003	0.003	0.004	
SFMC		6	1.00030026	0-30 40.625689	UTM 55	
NEO	000	7	1484022.150	260088.141	118.961	UTM 55
			0.004	0.004	0.005	

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
SFMC		7	1.00031206	0-30 51.277940	UTM 55	
NEO	000	8	1493782.870 0.007	260708.299 0.007	60.114 0.008	UTM 55
SFMC		8	1.00030838	0-30 59.093154	UTM 55	
NEO	000	9	1493569.637 0.012	266429.272 0.012	138.758 0.013	UTM 55
SFMC		9	1.00027490	0-30 14.419640	UTM 55	
NEO	000	901	1472525.907 0.019	257681.434 0.019	160.088 0.021	UTM 55
SFMC		901	1.00032643	0-30 54.819352	UTM 55	
NEO	000	902	1468080.623 0.021	246915.496 0.021	60.184 0.022	UTM 55
SFMC		902	1.00039242	0-32 11.079555	UTM 55	
NEO	000	903	1478689.677 0.014	245453.555 0.014	58.124 0.015	UTM 55
SFMC		903	1.00040160	0-32 36.767817	UTM 55	
NEO	000	904	1497244.652 0.003	272398.983 0.003	187.187 0.003	UTM 55
SFMC		904	1.00024084	0-29 32.600982	UTM 55	
NEO	000	905	1490888.655 0.005	257092.121 0.005	58.862 0.005	UTM 55
SFMC		905	1.00032995	0-31 23.367197	UTM 55	
NEO	000	906	1489687.940 0.014	245808.368 0.014	58.946 0.014	UTM 55
SFMC		906	1.00039935	0-32 49.113693	UTM 55	
NEO	000	911	1469173.415 0.022	256090.205 0.022	56.883 0.023	UTM 55
SFMC		911	1.00033600	0-31 2.583101	UTM 55	
NEO	000	912	1478112.142 0.013	258541.425 0.013	63.028 0.014	UTM 55
SFMC		912	1.00032127	0-30 55.509990	UTM 55	
NEO	000	914	1497281.229 0.002	271355.754 0.002	183.310 0.003	UTM 55
SFMC		914	1.00024673	0-29 40.763686	UTM 55	
NEO	000	915	1499644.765 0.006	274526.686 0.006	215.840 0.006	UTM 55
SFMC		915	1.00022891	0-29 18.965276	UTM 55	
NEO	000	916	1489156.902 0.005	252724.478 0.005	223.907 0.005	UTM 55
SFMC		916	1.00035644	0-31 54.886585	UTM 55	
NEO	000	917	1490372.327 0.004	256196.354 0.004	110.390 0.005	UTM 55
SFMC		917	1.00033535	0-31 29.626416	UTM 55	
NEO	000	BEACH	1478658.798 0.013	245499.804 0.013	57.825 0.013	UTM 55
SFMC		BEACH	1.00040130	0-32 36.370335	UTM 55	
NEO	000	GGN_2205	1472505.592 0.019	257697.246 0.019	160.140 0.021	UTM 55
SFMC		GGN_2205	1.00032633	0-30 54.671928	UTM 55	
NEO	111	GUAM	1503317.357 0.000	269352.171 0.000	202.010 0.000	UTM 55
SFMC		GUAM	1.00025811	0-30 3.868810	UTM 55	

Adjusted NEO Coordinates:

Table with columns: CODE, FFF, STATION, NORTHING, STD DEV, EASTING, STD DEV, O-HEIGHT, STD DEV, MAPPROJ. Rows include data for stations GUUG, NCS, and YIGO_GG.

Adjusted PLH Coordinates:

CODE	FFF	STATION		LATITUDE STD DEV	LONGITUDE STD DEV	ELIP-HEIGHT STD DEV
PLH	000	1	N 13 36	25.22307 0.004	E144 51 22.38938 0.004	201.983 0.006
PLH	000	10	N 13 33	22.46240 0.017	E144 51 0.92721 0.017	180.140 0.017
PLH	000	1001	N 13 36	40.54219 0.007	E144 50 32.72059 0.007	205.828 0.009
PLH	000	1002	N 13 16	4.01776 0.025	E144 39 53.10917 0.025	57.349 0.026
PLH	000	1003	N 13 24	36.84600 0.006	E144 40 34.65492 0.006	85.718 0.007
PLH	000	1004	N 13 31	2.85646 0.010	E144 48 59.48847 0.010	126.461 0.010
PLH	000	1005	N 13 27	50.88852 0.006	E144 50 5.44823 0.006	167.909 0.006
PLH	000	1006	N 13 30	33.33634 0.008	E144 48 13.91641 0.008	59.309 0.008
PLH	000	101	N 13 34	8.70024 0.006	E144 51 2.36628 0.006	186.838 0.010
PLH	000	1011	N 13 38	23.55983 0.008	E144 51 12.05003 0.008	204.848 0.008
PLH	000	1012	N 13 16	19.42972 0.024	E144 44 51.79722 0.024	57.578 0.024
PLH	000	1013	N 13 15	58.40628 0.019	E144 40 6.21091 0.019	59.817 0.020
PLH	000	1014	N 13 23	48.17752 0.010	E144 42 33.76474 0.010	206.079 0.012
PLH	000	1015	N 13 31	24.79734 0.008	E144 50 5.67814 0.008	154.819 0.008
PLH	000	1016	N 13 28	49.78560 0.011	E144 51 31.77137 0.011	83.865 0.011
PLH	000	1017	N 13 27	41.82395 0.002	E144 50 0.44980 0.002	161.798 0.003
PLH	000	1018	N 13 29	12.08637 0.005	E144 51 9.48343 0.005	191.524 0.005
PLH	000	1019	N 13 24	16.14418 0.006	E144 46 49.81213 0.006	63.944 0.006
PLH	000	1020	N 13 24	52.26926 0.007	E144 45 6.75313 0.007	149.068 0.007
PLH	000	103	N 13 21	25.65374 0.018	E144 45 19.92299 0.018	146.829 0.019
PLH	000	104	N 13 33	20.14851 0.006	E144 50 32.05984 0.006	165.363 0.006
PLH	000	105	N 13 31	18.68313 0.007	E144 49 44.60331 0.007	146.745 0.008
PLH	000	106	N 13 30	47.03634 0.008	E144 50 25.41306 0.008	151.502 0.008
PLH	000	107	N 13 26	57.52218 0.003	E144 48 36.92408 0.003	129.250 0.004
PLH	000	108	N 13 26	12.70400 0.003	E144 47 16.63314 0.003	100.295 0.004
PLH	000	109	N 13 26	37.68309 0.005	E144 46 5.51946 0.005	100.032 0.006

Adjusted PLH Coordinates:

CODE	FFF	STATION		LATITUDE STD DEV	LONGITUDE STD DEV	ELIP-HEIGHT STD DEV
PLH	000	110	N 13 30	13.73908 0.007	E144 46 28.50851 0.007	93.740 0.008
PLH	000	1101	N 13 18	1.66130 0.021	E144 45 41.43800 0.021	148.641 0.023
PLH	000	1103	N 13 21	0.96323 0.014	E144 46 9.06121 0.014	68.523 0.016
PLH	000	1104	N 13 30	36.75974 0.007	E144 49 23.76868 0.007	122.328 0.007
PLH	000	1105	N 13 30	16.16844 0.006	E144 49 17.62874 0.006	114.093 0.007
PLH	000	1106	N 13 28	28.05939 0.006	E144 45 58.05183 0.006	95.104 0.006
PLH	000	1107	N 13 28	42.41643 0.007	E144 48 29.41443 0.007	141.462 0.007
PLH	000	1108	N 13 28	14.90182 0.005	E144 45 16.49766 0.005	59.654 0.005
PLH	000	1109	N 13 28	22.58955 0.003	E144 43 6.05767 0.003	59.934 0.004
PLH	000	111	N 13 31	14.80180 0.012	E144 48 57.78036 0.012	133.999 0.012
PLH	000	1110	N 13 27	34.63030 0.006	E144 42 16.93149 0.006	149.357 0.006
PLH	000	1111	N 13 28	40.42749 0.003	E144 44 15.37401 0.003	59.134 0.003
PLH	000	1201	N 13 25	19.96233 0.006	E144 40 33.38276 0.006	58.773 0.006
PLH	000	1202	N 13 20	21.81651 0.014	E144 46 2.55797 0.014	99.290 0.015
PLH	000	1203	N 13 17	42.62538 0.019	E144 39 36.76164 0.019	99.756 0.020
PLH	000	1204	N 13 32	5.99940 0.002	E144 53 15.22773 0.002	183.697 0.002
PLH	000	1205	N 13 34	45.44458 0.003	E144 53 8.15812 0.004	231.296 0.004
PLH	000	1206	N 13 31	48.77472 0.004	E144 54 27.80910 0.004	222.271 0.005
PLH	000	1207	N 13 29	11.99304 0.005	E144 49 10.42523 0.005	180.040 0.005
PLH	000	1208	N 13 28	48.91012 0.002	E144 43 49.10640 0.002	66.837 0.002
PLH	000	1209	N 13 29	15.07977 0.006	E144 47 40.33060 0.007	133.011 0.007
PLH	000	1210	N 13 27	48.39153 0.007	E144 41 32.85496 0.007	59.921 0.008
PLH	000	1211	N 13 27	25.86792 0.011	E144 40 8.38031 0.011	58.940 0.012
PLH	000	1301	N 13 18	16.50844 0.020	E144 45 42.28902 0.020	148.436 0.022
PLH	000	1302	N 13 19	1.13261 0.018	E144 45 52.74167 0.018	151.951 0.019
PLH	000	1303	N 13 19	25.02805 0.015	E144 40 20.48748 0.015	283.528 0.016

Adjusted PLH Coordinates:

CODE	FFF	STATION		LATITUDE STD DEV	LONGITUDE STD DEV	ELIP-HEIGHT STD DEV
PLH	000	1304	N 13 31	33.55373 0.003	E144 53 2.15180 0.003	182.475 0.004
PLH	000	1305	N 13 32	11.19558 0.005	E144 54 56.10181 0.005	299.117 0.006
PLH	000	1306	N 13 29	51.60086 0.008	E144 52 25.01522 0.008	209.316 0.010
PLH	000	1307	N 13 31	0.40215 0.008	E144 49 0.44259 0.008	123.356 0.008
PLH	000	1308	N 13 28	23.26699 0.006	E144 47 28.29715 0.006	126.801 0.006
PLH	000	1309	N 13 28	33.04388 0.003	E144 43 17.30550 0.003	58.582 0.004
PLH	000	1310	N 13 28	27.99069 0.005	E144 42 31.68202 0.005	58.857 0.005
PLH	000	1311	N 13 27	44.53156 0.005	E144 43 9.67269 0.005	221.881 0.005
PLH	000	1312	N 13 27	45.74116 0.004	E144 43 45.48942 0.004	248.658 0.005
PLH	000	1401	N 13 17	35.10923 0.020	E144 45 15.34164 0.020	104.245 0.023
PLH	000	1402	N 13 18	34.66840 0.019	E144 44 25.00984 0.019	133.349 0.022
PLH	000	1403	N 13 22	17.87434 0.013	E144 46 15.64797 0.013	64.604 0.016
PLH	000	1404	N 13 24	15.16638 0.007	E144 39 46.58122 0.007	58.086 0.008
PLH	000	1405	N 13 33	20.56160 0.005	E144 54 10.27365 0.005	230.381 0.005
PLH	000	1406	N 13 34	34.57460 0.004	E144 53 38.93986 0.004	238.729 0.005
PLH	000	1407	N 13 33	3.40039 0.007	E144 55 23.49960 0.007	214.874 0.007
PLH	000	1408	N 13 31	4.71202 0.005	E144 51 59.78337 0.005	174.390 0.006
PLH	000	1409	N 13 29	29.67268 0.005	E144 49 28.40459 0.005	194.729 0.006
PLH	000	1410	N 13 28	55.32744 0.006	E144 46 53.64936 0.006	120.299 0.007
PLH	000	1501	N 13 17	10.20569 0.022	E144 45 12.75469 0.022	59.760 0.025
PLH	000	1502	N 13 19	15.55891 0.018	E144 44 12.19454 0.018	139.053 0.019
PLH	000	1503	N 13 23	1.96529 0.011	E144 45 47.18571 0.011	148.640 0.012
PLH	000	1504	N 13 23	13.97362 0.008	E144 40 18.99273 0.008	119.942 0.009
PLH	000	1505	N 13 31	30.03473 0.003	E144 53 22.40800 0.003	190.121 0.004
PLH	000	1506	N 13 33	58.04242 0.005	E144 53 56.03588 0.005	241.590 0.005
PLH	000	1507	N 13 30	55.31838 0.004	E144 53 19.03582 0.004	202.218 0.005

Adjusted PLH Coordinates:

CODE	FFF	STATION		LATITUDE STD DEV	LONGITUDE STD DEV	ELIP-HEIGHT STD DEV
PLH	000	1508	N 13 28	32.26955 0.006	E144 46 34.74743 0.006	118.340 0.006
PLH	000	1509	N 13 28	32.42085 0.003	E144 43 55.38249 0.003	61.317 0.003
PLH	000	1510	N 13 28	7.44090 0.005	E144 42 11.71546 0.005	57.857 0.006
PLH	000	1511	N 13 28	23.66602 0.004	E144 42 49.42957 0.004	58.407 0.005
PLH	000	1512	N 13 27	51.04264 0.009	E144 40 51.26562 0.009	60.484 0.010
PLH	000	1513	N 13 25	53.19332 0.011	E144 40 55.95948 0.011	67.295 0.011
PLH	000	1601	N 13 17	10.47149 0.022	E144 45 12.81269 0.022	59.627 0.024
PLH	000	1602	N 13 16	5.25750 0.024	E144 44 22.55771 0.024	57.824 0.026
PLH	000	1603	N 13 20	11.23886 0.018	E144 45 45.21682 0.017	57.667 0.021
PLH	000	1604	N 13 17	53.97025 0.015	E144 39 49.21888 0.015	59.115 0.016
PLH	000	1605	N 13 31	29.43075 0.003	E144 53 18.75605 0.003	189.092 0.004
PLH	000	1606	N 13 30	25.90197 0.006	E144 52 57.86687 0.006	222.966 0.006
PLH	000	1607	N 13 30	32.51759 0.006	E144 49 7.43035 0.006	111.888 0.007
PLH	000	1608	N 13 29	30.29220 0.005	E144 49 27.18845 0.005	191.808 0.005
PLH	000	1609	N 13 27	36.78767 0.005	E144 47 11.95252 0.005	74.790 0.005
PLH	000	1610	N 13 28	49.14586 0.002	E144 43 48.09535 0.002	67.198 0.003
PLH	000	2	N 13 15	43.53550 0.026	E144 40 30.48127 0.026	57.401 0.027
PLH	000	201	N 13 38	42.79343 0.011	E144 51 10.62445 0.011	77.648 0.013
PLH	000	202	N 13 34	48.75192 0.004	E144 51 31.78078 0.004	199.532 0.007
PLH	000	203	N 13 16	32.13950 0.024	E144 40 40.63850 0.024	165.374 0.024
PLH	000	204	N 13 20	29.77621 0.022	E144 45 49.85209 0.022	135.572 0.024
PLH	000	205	N 13 32	58.92002 0.007	E144 50 9.27228 0.007	170.537 0.007
PLH	000	206	N 13 32	46.79202 0.008	E144 49 26.43689 0.008	152.443 0.009
PLH	000	207	N 13 27	40.41249 0.012	E144 50 0.12550 0.012	161.165 0.014
PLH	000	208	N 13 22	52.99697 0.009	E144 46 20.82030 0.009	65.245 0.009
PLH	000	209	N 13 27	19.48710 0.004	E144 48 17.31592 0.004	129.688 0.005

Adjusted PLH Coordinates:

CODE	FFF	STATION		LATITUDE STD DEV	LONGITUDE STD DEV	ELIP-HEIGHT STD DEV
PLH	000	210	N 13 25	18.13576 0.007	E144 44 56.04999 0.007	188.028 0.007
PLH	000	3	N 13 21	14.77219 0.018	E144 45 20.41615 0.018	143.837 0.018
PLH	000	301	N 13 37	6.43411 0.008	E144 50 30.80512 0.008	192.765 0.009
PLH	000	303	N 13 22	17.18473 0.015	E144 44 36.66662 0.015	154.381 0.016
PLH	000	304	N 13 35	35.24550 0.001	E144 51 48.38083 0.002	202.881 0.003
PLH	000	305	N 13 33	47.90723 0.006	E144 49 51.60679 0.006	167.029 0.007
PLH	000	306	N 13 27	47.32216 0.010	E144 50 4.16921 0.010	166.823 0.011
PLH	000	307	N 13 26	43.86085 0.003	E144 48 35.97006 0.003	144.634 0.003
PLH	000	308	N 13 26	57.56177 0.003	E144 49 4.13212 0.003	143.940 0.004
PLH	000	309	N 13 28	15.74667 0.005	E144 45 17.10979 0.005	59.903 0.005
PLH	000	310	N 13 31	49.60747 0.016	E144 50 59.94725 0.016	172.224 0.017
PLH	000	311	N 13 31	35.37759 0.018	E144 53 2.12633 0.018	181.206 0.018
PLH	000	4	N 13 24	17.41534 0.007	E144 41 24.97017 0.007	142.547 0.008
PLH	000	401	N 13 36	46.14157 0.007	E144 50 28.63049 0.007	202.323 0.010
PLH	000	402	N 13 15	3.56566 0.027	E144 43 4.28148 0.027	56.765 0.028
PLH	000	403	N 13 14	55.37766 0.027	E144 41 53.01223 0.027	56.663 0.028
PLH	000	404	N 13 22	51.25768 0.013	E144 43 47.83566 0.013	160.691 0.014
PLH	000	405	N 13 33	7.05298 0.004	E144 51 17.96586 0.004	190.070 0.005
PLH	000	406	N 13 29	24.96606 0.007	E144 51 3.15655 0.007	192.291 0.008
PLH	000	407	N 13 26	40.85947 0.004	E144 46 46.72943 0.004	92.098 0.005
PLH	000	408	N 13 22	53.01708 0.009	E144 46 20.86788 0.009	65.153 0.009
PLH	000	409	N 13 26	23.97904 0.005	E144 46 25.42909 0.005	91.011 0.006
PLH	000	410	N 13 31	23.09220 0.010	E144 48 25.10630 0.010	76.146 0.011
PLH	000	5	N 13 33	12.87480 0.006	E144 50 34.18523 0.006	167.334 0.006
PLH	000	501	N 13 38	43.92575 0.009	E144 51 20.94007 0.009	122.889 0.009
PLH	000	502	N 13 34	6.22781 0.024	E144 51 7.26056 0.025	185.254 0.026

Adjusted PLH Coordinates:

CODE	FFF	STATION		LATITUDE STD DEV	LONGITUDE STD DEV	ELIP-HEIGHT STD DEV
PLH	000	504	N 13 23	4.46321 0.013	E144 43 34.23366 0.013	184.148 0.015
PLH	000	505	N 13 30	33.57841 0.008	E144 50 17.48780 0.008	154.082 0.008
PLH	000	506	N 13 29	45.11768 0.006	E144 51 59.28076 0.006	197.190 0.007
PLH	000	507	N 13 27	44.92773 0.003	E144 50 6.14741 0.003	165.553 0.004
PLH	000	508	N 13 23	58.12609 0.007	E144 46 15.49973 0.007	126.322 0.008
PLH	000	509	N 13 25	30.22988 0.007	E144 45 9.83028 0.007	174.537 0.008
PLH	000	510	N 13 31	19.36797 0.013	E144 48 58.42047 0.013	137.262 0.014
PLH	000	6	N 13 26	51.84912 0.003	E144 48 9.05624 0.003	113.873 0.004
PLH	000	7	N 13 24	51.26203 0.004	E144 47 3.83395 0.004	118.961 0.005
PLH	000	8	N 13 30	8.94201 0.007	E144 47 21.52702 0.007	60.114 0.008
PLH	000	9	N 13 30	3.66299 0.012	E144 50 31.76353 0.012	138.758 0.013
PLH	000	901	N 13 18	36.60724 0.019	E144 45 47.31125 0.019	160.088 0.021
PLH	000	902	N 13 16	8.80170 0.021	E144 39 51.12926 0.021	60.184 0.022
PLH	000	903	N 13 21	53.41942 0.014	E144 38 59.25388 0.014	58.124 0.015
PLH	000	904	N 13 32	4.89919 0.003	E144 53 49.16338 0.003	187.187 0.003
PLH	000	905	N 13 28	33.73244 0.005	E144 45 22.20254 0.005	58.862 0.005
PLH	000	906	N 13 27	51.25002 0.014	E144 39 7.56506 0.014	58.946 0.014
PLH	000	911	N 13 16	47.09122 0.022	E144 44 55.46718 0.022	56.883 0.023
PLH	000	912	N 13 21	38.56823 0.013	E144 46 14.20900 0.013	63.028 0.014
PLH	000	914	N 13 32	5.79673 0.002	E144 53 14.46792 0.002	183.310 0.003
PLH	000	915	N 13 33	23.56871 0.006	E144 54 59.22526 0.006	215.840 0.006
PLH	000	916	N 13 27	36.09557 0.005	E144 42 57.57396 0.005	223.907 0.005
PLH	000	917	N 13 28	16.67114 0.004	E144 44 52.58767 0.004	110.390 0.005
PLH	000	BEACH	N 13 21	52.42931 0.013	E144 39 0.79996 0.013	57.825 0.013
PLH	000	GGN_2205	N 13 18	35.95107 0.019	E144 45 47.84250 0.019	160.140 0.021
PLH	111	GUAM	N 13 35	21.58493 0.000	E144 52 6.10233 0.000	202.010 0.000

Geoid Values:

CODE	NAME	N/S DEFLECTION			E/W DEFLECTION			UNDULATION		
GEOI	1	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	10	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1001	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1002	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1003	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1004	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1005	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1006	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	101	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1011	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1012	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1013	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1014	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1015	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1016	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1017	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1018	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1019	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1020	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	103	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	104	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	105	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	106	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	107	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	108	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	109	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	110	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1101	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1103	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1104	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1105	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1106	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1107	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1108	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1109	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	111	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1110	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1111	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1201	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1202	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1203	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1204	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1205	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1206	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1207	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1208	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1209	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1210	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1211	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1301	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1302	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1303	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1304	+	0	0	0.0	+	0	0	0.0	0.000

Geoid Values:

CODE	NAME	N/S DEFLECTION			E/W DEFLECTION			UNDULATION		
GEOI	1305	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1306	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1307	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1308	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1309	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1310	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1311	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1312	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1401	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1402	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1403	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1404	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1405	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1406	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1407	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1408	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1409	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1410	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1501	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1502	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1503	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1504	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1505	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1506	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1507	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1508	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1509	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1510	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1511	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1512	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1513	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1601	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1602	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1603	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1604	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1605	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1606	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1607	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1608	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1609	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	1610	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	2	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	201	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	202	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	203	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	204	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	205	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	206	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	207	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	208	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	209	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	210	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	3	+	0	0	0.0	+	0	0	0.0	0.000

Geoid Values:

CODE	NAME	N/S DEFLECTION			E/W DEFLECTION			UNDULATION		
GEOI	301	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	303	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	304	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	305	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	306	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	307	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	308	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	309	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	310	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	311	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	4	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	401	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	402	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	403	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	404	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	405	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	406	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	407	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	408	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	409	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	410	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	5	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	501	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	502	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	504	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	505	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	506	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	507	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	508	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	509	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	510	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	6	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	7	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	8	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	9	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	901	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	902	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	903	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	904	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	905	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	906	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	911	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	912	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	914	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	915	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	916	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	917	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	BEACH	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	GGN_2205	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	GUAM	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	GUUG	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	NCS	+	0	0	0.0	+	0	0	0.0	0.000
GEOI	YIGO_GG	+	0	0	0.0	+	0	0	0.0	0.000

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP:	022912.ASC	,obs#:	1			
DXCT		1201	1101	-7966.48440 0.030	-0.008 0.020	-0.383 0.48
DYCT		1201	1101	-5718.66610 0.029	0.003 0.021	0.128 0.16
DZCT		1201	1101	-13084.50380 0.029	-0.016 0.021	-0.795 1.00
GROUP:	022912.ASC	,obs#:	2			
DXCT		GUUG	1101	-210.91880 0.031	0.008 0.023	0.356 0.52
DYCT		GUUG	1101	5612.17880 0.030	-0.003 0.021	-0.138 0.19
DZCT		GUUG	1101	-14285.51110 0.029	0.016 0.020	0.766 1.02
GROUP:	022912.ASC	,obs#:	4			
DXCT		GUUG	1201	7755.58290 0.025	-0.001 0.024	-0.062 0.11
DYCT		GUUG	1201	11330.84180 0.025	-0.002 0.024	-0.101 0.18
DZCT		GUUG	1201	-1200.97920 0.025	0.004 0.024	0.169 0.29
GROUP:	022912.ASC	,obs#:	9			
DXCT		1201	1501	-7694.61560 0.032	-0.008 0.022	-0.369 0.47
DYCT		1201	1501	-4853.65750 0.032	0.007 0.022	0.314 0.39
DZCT		1201	1501	-14643.91280 0.031	-0.002 0.021	-0.103 0.13
GROUP:	022912.ASC	,obs#:	10			
DXCT		GUUG	1501	60.94780 0.035	0.010 0.026	0.387 0.58
DYCT		GUUG	1501	6477.19680 0.033	-0.008 0.024	-0.341 0.47
DZCT		GUUG	1501	-15844.89180 0.031	0.002 0.022	0.072 0.09
GROUP:	022912.ASC	,obs#:	15			
DXCT		1201	901	-7875.71820 0.029	0.008 0.020	0.369 0.48
DYCT		1201	901	-5999.22310 0.028	-0.001 0.020	-0.037 0.05
DZCT		1201	901	-12036.77690 0.028	0.028 0.020	1.396 1.80
GROUP:	022912.ASC	,obs#:	16			
DXCT		GUUG	901	-120.12310 0.027	-0.006 0.019	-0.332 0.43
DYCT		GUUG	901	5331.61510 0.026	0.000 0.018	0.024 0.03
DZCT		GUUG	901	-13237.70000 0.026	-0.024 0.017	-1.384 1.69
GROUP:	022912.ASC	,obs#:	19			
DXCT		GUUG	BEACH	8162.24240 0.033	0.020 0.030	0.668 1.12

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		GUUG	BEACH	14457.14710 0.033	-0.042 0.030	-1.392 2.30
DZCT		GUUG	BEACH	-7405.61020 0.033	-0.010 0.030	-0.320 0.53
GROUP: 022912.ASC ,obs#: 20						
DXCT		1201	BEACH	406.68450 0.013	-0.003 0.005	-0.687 0.45
DYCT		1201	BEACH	3126.25960 0.013	0.006 0.004	1.401 0.90
DZCT		1201	BEACH	-6204.64610 0.013	0.002 0.004	0.340 0.22
GROUP: 022912D.ASC ,obs#: 23						
DXCT		1201	1	-7470.69800 0.050	-0.037 0.050	-0.746 1.32
DYCT		1201	1	-18617.55950 0.050	-0.001 0.050	-0.029 0.05
DZCT		1201	1	19912.49660 0.050	0.009 0.050	0.178 0.31
GROUP: 022912D.ASC ,obs#: 24						
DXCT		GUUG	1	284.88290 0.036	-0.037 0.036	-1.016 1.83
DYCT		GUUG	1	-7286.71930 0.036	-0.002 0.036	-0.063 0.11
DZCT		GUUG	1	18711.53710 0.036	-0.007 0.035	-0.193 0.34
GROUP: 022912D.ASC ,obs#: 25						
DXCT		GUAM	1	1132.37160 0.005	0.001 0.001	1.208 0.53
DYCT		GUAM	1	809.95800 0.005	-0.000 0.001	-0.247 0.09
DZCT		GUAM	1	1900.96810 0.005	-0.000 0.001	-0.151 0.04
GROUP: 022912D.ASC ,obs#: 26						
DXCT		GUUG	1001	1231.98600 0.040	-0.017 0.039	-0.450 0.86
DYCT		GUUG	1001	-6127.54300 0.038	-0.014 0.037	-0.389 0.72
DZCT		GUUG	1001	19170.01410 0.036	0.007 0.036	0.201 0.36
GROUP: 022912D.ASC ,obs#: 27						
DXCT		GUAM	1001	2079.49440 0.009	0.001 0.002	0.406 0.21
DYCT		GUAM	1001	1969.12140 0.008	0.000 0.002	0.296 0.12
DZCT		GUAM	1001	2359.45930 0.007	-0.000 0.001	-0.219 0.08
GROUP: 022912D.ASC ,obs#: 28						
DXCT		1201	101	-7918.23370 0.045	0.034 0.043	0.778 1.36
DYCT		1201	101	-17566.33270 0.045	-0.028 0.044	-0.653 1.14
DZCT		1201	101	15830.62590	-0.003	-0.059

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.044	0.043	0.10
GROUP:	022912D.ASC	,obs#:	29			
DXCT		GUAM	101	684.91000 0.009	-0.002 0.002	-0.951 0.64
DYCT		GUAM	101	1861.15620 0.008	0.001 0.002	0.933 0.48
DZCT		GUAM	101	-2180.91450 0.006	0.000 0.001	0.427 0.13
GROUP:	022912D.ASC	,obs#:	30			
DXCT		GUAM	1201	8603.08970 0.049	0.018 0.049	0.373 0.66
DYCT		GUAM	1201	19427.50080 0.049	0.018 0.049	0.365 0.64
DZCT		GUAM	1201	-18011.54140 0.049	0.004 0.049	0.081 0.14
GROUP:	022912D.ASC	,obs#:	31			
DXCT		GUUG	1201	7755.58660 0.025	-0.005 0.024	-0.215 0.38
DYCT		GUUG	1201	11330.81930 0.025	0.020 0.024	0.838 1.46
DZCT		GUUG	1201	-1200.98420 0.025	0.009 0.024	0.379 0.65
GROUP:	022912D.ASC	,obs#:	32			
DXCT		GUAM	201	2249.20110 0.012	0.000 0.003	0.120 0.06
DYCT		GUAM	201	456.18560 0.012	0.001 0.003	0.397 0.20
DZCT		GUAM	201	5980.61320 0.012	-0.004 0.003	-1.359 0.64
GROUP:	022912D.ASC	,obs#:	33			
DXCT		GUUG	201	1401.67990 0.044	-0.005 0.043	-0.117 0.21
DYCT		GUUG	201	-7640.47440 0.044	-0.018 0.042	-0.430 0.75
DZCT		GUUG	201	22791.11480 0.043	0.057 0.041	1.365 2.35
GROUP:	022912D.ASC	,obs#:	34			
DXCT		GUAM	202	401.98510 0.006	0.001 0.001	1.145 1.00
DYCT		GUAM	202	978.83090 0.005	-0.001 0.001	-0.683 0.35
DZCT		GUAM	202	-981.41150 0.004	0.000 0.001	0.087 0.04
GROUP:	022912D.ASC	,obs#:	35			
DXCT		GUUG	202	-445.49660 0.033	-0.043 0.033	-1.328 2.50
DYCT		GUUG	202	-7117.85680 0.032	0.008 0.032	0.248 0.45
DZCT		GUUG	202	15829.17670 0.032	-0.026 0.032	-0.819 1.49
GROUP:	022912D.ASC	,obs#:	36			
DXCT		1201	301	-6326.88340	-0.053	-1.081

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.050	0.049	1.89
DYCT		1201	301	-17526.45090	-0.043	-0.871
				0.050	0.049	1.52
DZCT		1201	301	21141.24050	0.061	1.233
				0.050	0.049	2.15
GROUP: 022912D.ASC ,obs#: 37						
DXCT		GUAM	301	2276.16990	0.001	1.045
				0.008	0.001	0.34
DYCT		GUAM	301	1901.02410	0.001	0.729
				0.008	0.001	0.22
DZCT		GUAM	301	3129.76510	-0.002	-1.247
				0.008	0.001	0.36
GROUP: 022912D.ASC ,obs#: 38						
DXCT		GUAM	401	2186.19040	-0.000	-0.239
				0.009	0.002	0.11
DYCT		GUAM	401	2044.35660	0.001	0.425
				0.008	0.001	0.15
DZCT		GUAM	401	2525.88640	0.000	0.405
				0.007	0.001	0.12
GROUP: 022912D.ASC ,obs#: 39						
DXCT		1201	401	-6416.92430	0.006	0.129
				0.050	0.049	0.23
DYCT		1201	401	-17383.14330	-0.018	-0.376
				0.049	0.048	0.66
DZCT		1201	401	20537.44130	-0.017	-0.352
				0.049	0.048	0.61
GROUP: 022912D.ASC ,obs#: 41						
DXCT		1201	502	-8016.28980	0.059	1.590
				0.045	0.037	2.35
DYCT		1201	502	-17677.29390	-0.008	-0.225
				0.045	0.037	0.33
DZCT		1201	502	15756.40610	-0.019	-0.502
				0.044	0.037	0.75
GROUP: 022912D.ASC ,obs#: 42						
DXCT		GUUG	502	-260.62200	-0.028	-1.609
				0.031	0.017	1.73
DYCT		GUUG	502	-6346.46720	0.004	0.270
				0.029	0.016	0.27
DZCT		GUUG	502	14555.40380	0.008	0.552
				0.029	0.015	0.53
GROUP: 022912D.ASC ,obs#: 43						
DXCT		GUAM	NCS	912.25970	0.008	1.463
				0.007	0.006	2.68
DYCT		GUAM	NCS	2112.96160	-0.000	-0.026
				0.006	0.005	0.04
DZCT		GUAM	NCS	-1998.98360	-0.009	-1.910
				0.006	0.005	3.02
GROUP: 022912D.ASC ,obs#: 44						
DXCT		GUUG	NCS	64.79870	-0.057	-1.913
				0.030	0.030	3.60
DYCT		GUUG	NCS	-5983.64680	-0.071	-2.418
				0.030	0.029	4.45

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		GUUG	NCS	14811.53040 0.029	0.039 0.029	1.351 2.45
GROUP: 022912D.ASC ,obs#: 45						
DXCT		1201	NCS	-7690.77920 0.045	-0.061 0.044	-1.385 2.46
DYCT		1201	NCS	-17314.50880 0.044	-0.048 0.044	-1.103 1.95
DZCT		1201	NCS	16012.50790 0.044	0.037 0.044	0.841 1.48
GROUP: 030112~1.ASC,obs#: 48						
DXCT		1201	1002	-2515.30140 0.031	0.019 0.018	1.039 1.08
DYCT		1201	1002	3268.40100 0.031	-0.008 0.018	-0.477 0.49
DZCT		1201	1002	-16624.16390 0.030	0.000 0.018	0.009 0.01
GROUP: 030112~1.ASC,obs#: 49						
DXCT		GUUG	1002	5240.33580 0.044	-0.037 0.035	-1.054 1.58
DYCT		GUUG	1002	14599.21400 0.043	0.018 0.035	0.510 0.76
DZCT		GUUG	1002	-17825.13940 0.042	0.000 0.034	0.014 0.02
GROUP: 030112~1.ASC,obs#: 56						
DXCT		1201	1103	-7345.06630 0.024	-0.019 0.018	-1.065 1.49
DYCT		1201	1103	-7175.39770 0.023	0.020 0.018	1.149 1.59
DZCT		1201	1103	-7741.04040 0.023	0.006 0.018	0.348 0.48
GROUP: 030112~1.ASC,obs#: 57						
DXCT		GUUG	1103	410.48280 0.019	0.013 0.012	1.123 1.33
DYCT		GUUG	1103	4155.47550 0.018	-0.013 0.011	-1.203 1.35
DZCT		GUUG	1103	-8942.00520 0.018	-0.004 0.011	-0.395 0.43
GROUP: 030112~1.ASC,obs#: 64						
DXCT		1201	1403	-7010.15640 0.022	0.009 0.016	0.591 0.79
DYCT		1201	1403	-7654.55830 0.021	0.004 0.016	0.217 0.30
DZCT		1201	1403	-5442.27960 0.021	-0.012 0.016	-0.763 1.06
GROUP: 030112~1.ASC,obs#: 65						
DXCT		GUUG	1403	745.44300 0.020	-0.009 0.013	-0.668 1.14
DYCT		GUUG	1403	3676.28440 0.017	0.000 0.010	0.020 0.03
DZCT		GUUG	1403	-6643.27560 0.016	0.008 0.010	0.853 1.09
GROUP: 030112~1.ASC,obs#: 66						

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		GUUG	1502	1773.95220 0.027	-0.012 0.020	-0.600 0.84
DYCT		GUUG	1502	7498.49730 0.026	-0.009 0.019	-0.465 0.63
DZCT		GUUG	1502	-12077.67860 0.026	-0.003 0.019	-0.148 0.19
GROUP: 030112~1.ASC,obs#: 67						
DXCT		1201	1502	-5981.65090 0.024	0.010 0.015	0.624 0.74
DYCT		1201	1502	-3832.35870 0.023	0.008 0.015	0.492 0.58
DZCT		1201	1502	-10876.70850 0.023	0.002 0.015	0.151 0.18
GROUP: 030112~1.ASC,obs#: 68						
DXCT		1201	1503	-6326.78990 0.019	-0.000 0.014	-0.009 0.01
DYCT		1201	1503	-7088.74850 0.018	0.013 0.014	0.928 1.29
DZCT		1201	1503	-4104.60200 0.018	-0.006 0.015	-0.380 0.53
GROUP: 030112~1.ASC,obs#: 69						
DXCT		GUUG	1503	1428.79040 0.015	0.001 0.009	0.110 0.14
DYCT		GUUG	1503	4242.11150 0.014	-0.007 0.008	-0.912 1.05
DZCT		GUUG	1503	-5305.58520 0.013	0.002 0.007	0.348 0.36
GROUP: 030112~1.ASC,obs#: 70						
DXCT		1201	1603	-7210.54880 0.024	-0.002 0.015	-0.132 0.15
DYCT		1201	1603	-6391.92440 0.024	0.010 0.017	0.567 0.72
DZCT		1201	1603	-9230.41110 0.024	0.004 0.016	0.227 0.27
GROUP: 030112~1.ASC,obs#: 71						
DXCT		GUUG	1603	545.02120 0.032	0.009 0.025	0.369 0.81
DYCT		GUUG	1603	4938.93640 0.025	-0.012 0.018	-0.661 1.03
DZCT		GUUG	1603	-10431.37380 0.029	-0.009 0.022	-0.401 0.77
GROUP: 030112~1.ASC,obs#: 72						
DXCT		1201	2	-3283.73980 0.032	0.014 0.019	0.730 0.77
DYCT		1201	2	2434.12540 0.032	0.006 0.019	0.295 0.32
DZCT		1201	2	-17236.80740 0.032	-0.003 0.019	-0.161 0.17
GROUP: 030112~1.ASC,obs#: 73						
DXCT		GUUG	2	4471.88110 0.044	-0.026 0.035	-0.729 1.10
DYCT		GUUG	2	13764.97940	-0.009	-0.269

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.042	0.034	0.39
DZCT		GUUG	2	-18437.79230	0.007	0.193
				0.043	0.035	0.29
GROUP: 030112~1.ASC, obs#:			74			
DXCT		1201	203	-3266.53710	-0.001	-0.077
				0.029	0.017	0.08
DYCT		1201	203	2047.20140	0.002	0.094
				0.029	0.017	0.10
DZCT		1201	203	-15758.21380	0.001	0.084
				0.029	0.017	0.09
GROUP: 030112~1.ASC, obs#:			75			
DXCT		GUUG	203	4489.04050	0.002	0.078
				0.040	0.032	0.11
DYCT		GUUG	203	13378.04540	-0.003	-0.095
				0.040	0.032	0.14
DZCT		GUUG	203	-16959.18490	-0.003	-0.085
				0.039	0.031	0.12
GROUP: 030112~1.ASC, obs#:			78			
DXCT		1201	402	-6188.77690	-0.000	-0.005
				0.035	0.022	0.01
DYCT		1201	402	-1181.98170	0.022	0.980
				0.035	0.022	1.13
DZCT		1201	402	-18432.58870	0.027	1.205
				0.035	0.023	1.40
GROUP: 030112~1.ASC, obs#:			79			
DXCT		GUUG	402	1566.80160	0.003	0.084
				0.043	0.033	0.13
DYCT		GUUG	402	10148.91010	-0.030	-0.992
				0.041	0.031	1.38
DZCT		GUUG	402	-19633.50050	-0.036	-1.214
				0.040	0.030	1.63
GROUP: 030112~1.ASC, obs#:			82			
DXCT		1201	912	-7212.01790	-0.003	-0.159
				0.022	0.017	0.22
DYCT		1201	912	-7459.00550	0.018	1.037
				0.022	0.017	1.45
DZCT		1201	912	-6617.90170	0.015	0.888
				0.022	0.017	1.25
GROUP: 030112~1.ASC, obs#:			83			
DXCT		GUUG	912	543.55810	0.003	0.266
				0.017	0.010	0.31
DYCT		GUUG	912	3871.86200	-0.010	-1.075
				0.016	0.010	1.17
DZCT		GUUG	912	-7818.85310	-0.008	-0.928
				0.016	0.009	0.96
GROUP: 030212~1.ASC, obs#:			84			
DXCT		1201	1003	-294.35520	0.000	0.742
				0.004	0.000	0.14
DYCT		1201	1003	161.69210	-0.000	-1.518
				0.003	0.000	0.22
DZCT		1201	1003	-1282.64020	-0.000	-0.807
				0.003	0.000	0.09

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP:	030212~1.ASC,obs#:		85			
DXCT		GUAM	1003	8308.76810 0.052	-0.015 0.051	-0.294 0.53
DYCT		GUAM	1003	19589.13490 0.052	0.076 0.051	1.477 2.63
DZCT		GUAM	1003	-19294.20880 0.051	0.031 0.051	0.613 1.08
GROUP:	030212~1.ASC,obs#:		86			
DXCT		1201	1014	-2743.97720 0.010	0.001 0.002	0.348 0.14
DYCT		1201	1014	-2494.64470 0.009	-0.002 0.002	-1.269 0.43
DZCT		1201	1014	-2709.69590 0.008	-0.002 0.001	-1.152 0.36
GROUP:	030212~1.ASC,obs#:		87			
DXCT		GUAM	1014	5859.14150 0.051	-0.010 0.049	-0.204 0.37
DYCT		GUAM	1014	16932.81190 0.050	0.060 0.049	1.226 2.20
DZCT		GUAM	1014	-20721.28770 0.049	0.053 0.048	1.100 1.92
GROUP:	030212~1.ASC,obs#:		90			
DXCT		GUAM	1201	8603.09440 0.049	0.014 0.049	0.277 0.49
DYCT		GUAM	1201	19427.49330 0.049	0.025 0.049	0.518 0.91
DZCT		GUAM	1201	-18011.53450 0.049	-0.003 0.049	-0.060 0.11
GROUP:	030212~1.ASC,obs#:		93			
DXCT		1201	1303	-2012.37660 0.020	-0.027 0.014	-1.930 2.43
DYCT		1201	1303	1901.79330 0.020	0.014 0.014	1.014 1.27
DZCT		1201	1303	-10560.25710 0.019	0.021 0.014	1.548 1.92
GROUP:	030212~1.ASC,obs#:		94			
DXCT		GUAM	1303	6590.72870 0.066	-0.024 0.064	-0.372 0.66
DYCT		GUAM	1303	21329.27990 0.065	0.046 0.063	0.733 1.27
DZCT		GUAM	1303	-28571.74800 0.065	-0.026 0.063	-0.405 0.71
GROUP:	030212~1.ASC,obs#:		95			
DXCT		1201	1404	437.92270 0.005	0.000 0.000	0.017 0.00
DYCT		1201	1404	1415.42360 0.005	-0.000 0.000	-0.375 0.06
DZCT		1201	1404	-1937.14800 0.004	-0.000 0.000	-1.093 0.17
GROUP:	030212~1.ASC,obs#:		96			
DXCT		GUAM	1404	9041.02680 0.055	0.004 0.054	0.072 0.13

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		GUAM	1404	20842.92280 0.054	0.019 0.054	0.361 0.64
DZCT		GUAM	1404	-19948.74410 0.054	0.058 0.053	1.093 1.93
GROUP: 030212~1.ASC,obs#: 97						
DXCT		GUAM	1504	8072.55650 0.056	-0.002 0.055	-0.045 0.08
DYCT		GUAM	1504	20334.11420 0.056	0.055 0.055	0.989 1.77
DZCT		GUAM	1504	-21763.82240 0.056	0.052 0.055	0.938 1.67
GROUP: 030212~1.ASC,obs#: 98						
DXCT		1201	1504	-530.57050 0.008	0.016 0.005	3.524 4.23
DYCT		1201	1504	906.65590 0.007	-0.006 0.005	-1.179 1.51
DZCT		1201	1504	-3752.24130 0.007	0.008 0.005	1.595 2.03
GROUP: 030212~1.ASC,obs#: 99						
DXCT		GUAM	1604	6787.43660 0.070	0.057 0.068	0.840 1.47
DYCT		GUAM	1604	22343.41390 0.070	-0.009 0.068	-0.128 0.22
DZCT		GUAM	1604	-31346.64120 0.069	-0.032 0.068	-0.477 0.83
GROUP: 030212~1.ASC,obs#: 100						
DXCT		1201	1604	-1815.60500 0.025	-0.009 0.021	-0.429 0.65
DYCT		1201	1604	2915.88690 0.025	-0.000 0.020	-0.022 0.03
DZCT		1201	1604	-13335.14430 0.025	0.008 0.020	0.404 0.59
GROUP: 030212~1.ASC,obs#: 107						
DXCT		1201	4	-1327.52680 0.006	-0.008 0.002	-3.429 3.37
DYCT		1201	4	-961.47900 0.005	0.003 0.002	1.165 1.03
DZCT		1201	4	-1850.33220 0.005	-0.003 0.002	-1.559 1.39
GROUP: 030212~1.ASC,obs#: 108						
DXCT		1504	4	-797.00350 0.010	0.022 0.007	3.283 8.04
DYCT		1504	4	-1868.12430 0.007	-0.002 0.004	-0.511 0.77
DZCT		1504	4	1901.89400 0.006	0.004 0.003	1.101 1.35
GROUP: 030212~1.ASC,obs#: 109						
DXCT		1201	404	-4325.82500 0.014	0.014 0.007	2.133 1.88
DYCT		1201	404	-4105.50410 0.013	-0.009 0.006	-1.383 1.20
DZCT		1201	404	-4421.94400	-0.009	-1.417

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.014	0.007	1.25
GROUP:	030212~1.ASC,	obs#:	110			
DXCT		1303	404	-2313.38820	-0.020	-2.072
				0.016	0.010	2.22
DYCT		1303	404	-6007.33240	0.012	1.345
				0.016	0.009	1.37
DZCT		1303	404	6138.27050	0.012	1.321
				0.016	0.009	1.39
GROUP:	030212~1.ASC,	obs#:	111			
DXCT		1201	504	-4031.42030	0.001	0.299
				0.014	0.004	0.16
DYCT		1201	504	-3812.44300	-0.002	-0.642
				0.013	0.003	0.31
DZCT		1201	504	-4021.70630	0.000	0.090
				0.013	0.003	0.04
GROUP:	030212~1.ASC,	obs#:	112			
DXCT		GUAM	504	4571.70060	-0.012	-0.249
				0.050	0.047	0.43
DYCT		GUAM	504	15615.04410	0.029	0.627
				0.049	0.047	1.08
DZCT		GUAM	504	-22033.23770	-0.006	-0.123
				0.049	0.047	0.21
GROUP:	030212~1.ASC,	obs#:	113			
DXCT		1201	902	-2455.53510	-0.002	-0.095
				0.030	0.022	0.12
DYCT		1201	902	3299.10090	-0.008	-0.350
				0.030	0.022	0.45
DZCT		1201	902	-16480.41680	-0.003	-0.127
				0.030	0.022	0.16
GROUP:	030212~1.ASC,	obs#:	114			
DXCT		GUAM	902	6147.57830	-0.007	-0.105
				0.074	0.071	0.18
DYCT		GUAM	902	22726.56810	0.044	0.615
				0.074	0.071	1.05
DZCT		GUAM	902	-34491.96320	0.006	0.087
				0.074	0.071	0.15
GROUP:	030212~1.ASC,	obs#:	115			
DXCT		1201	903	439.09540	0.002	0.782
				0.013	0.003	0.31
DYCT		1201	903	3160.31070	-0.001	-0.522
				0.013	0.003	0.20
DZCT		1201	903	-6174.96890	-0.003	-1.207
				0.013	0.003	0.44
GROUP:	030212~1.ASC,	obs#:	116			
DXCT		GUAM	903	9042.24960	-0.044	-0.733
				0.062	0.060	1.28
DYCT		GUAM	903	22587.80050	0.028	0.461
				0.061	0.060	0.80
DZCT		GUAM	903	-24186.57950	0.070	1.180
				0.061	0.059	2.04
GROUP:	030312~1.ASC,	obs#:	120			
DXCT		GUAM	1011	2009.46260	-0.002	-0.271

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.010	0.007	0.32
DYCT		GUAM	1011	572.57030	0.001	0.215
				0.010	0.007	0.25
DZCT		GUAM	1011	5436.17930	0.004	0.624
				0.010	0.007	0.73
GROUP: 030312~1.ASC,obs#: 121						
DXCT		1204	1011	4343.52920	0.006	0.283
				0.022	0.020	0.47
DYCT		1204	1011	1471.80130	-0.000	-0.024
				0.022	0.020	0.04
DZCT		1204	1011	11283.79210	0.003	0.165
				0.022	0.020	0.27
GROUP: 030312~1.ASC,obs#: 122						
DXCT		NCS	1011	1097.19190	0.001	0.088
				0.014	0.011	0.13
DYCT		NCS	1011	-1540.38730	-0.002	-0.216
				0.014	0.011	0.31
DZCT		NCS	1011	7435.18510	-0.009	-0.792
				0.014	0.011	1.14
GROUP: 030312~1.ASC,obs#: 123						
DXCT		GUAM	1015	727.20670	0.012	0.961
				0.015	0.013	1.49
DYCT		GUAM	1015	3916.19110	0.002	0.165
				0.015	0.012	0.25
DZCT		GUAM	1015	-7085.48560	0.001	0.118
				0.015	0.012	0.18
GROUP: 030312~1.ASC,obs#: 124						
DXCT		1204	1015	3061.29620	-0.003	-0.437
				0.011	0.007	0.55
DYCT		1204	1015	4815.42530	-0.003	-0.426
				0.010	0.007	0.53
DZCT		1204	1015	-1237.87210	-0.000	-0.025
				0.010	0.007	0.03
GROUP: 030312~1.ASC,obs#: 125						
DXCT		GUAM	104	940.52720	-0.001	-0.163
				0.008	0.006	0.22
DYCT		GUAM	104	2795.61560	-0.002	-0.369
				0.008	0.006	0.49
DZCT		GUAM	104	-3636.47530	-0.002	-0.394
				0.008	0.006	0.52
GROUP: 030312~1.ASC,obs#: 126						
DXCT		1204	104	3274.59950	0.001	0.105
				0.010	0.008	0.15
DYCT		1204	104	3694.84010	0.002	0.288
				0.010	0.008	0.42
DZCT		1204	104	2211.13210	0.002	0.261
				0.010	0.008	0.38
GROUP: 030312~1.ASC,obs#: 127						
DXCT		904	104	3870.71690	0.001	0.073
				0.012	0.010	0.11
DYCT		904	104	4523.12810	0.001	0.108
				0.011	0.010	0.17

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		904	104	2243.18940 0.011	0.002 0.010	0.167 0.26
GROUP: 030312~1.ASC,obs#: 128						
DXCT		GUAM	105	1062.72990 0.015	0.008 0.013	0.624 0.97
DYCT		GUAM	105	4455.03930 0.015	0.003 0.013	0.229 0.36
DZCT		GUAM	105	-7270.06800 0.015	-0.001 0.013	-0.040 0.06
GROUP: 030312~1.ASC,obs#: 129						
DXCT		1204	105	3396.80840 0.012	0.004 0.009	0.439 0.62
DYCT		1204	105	5354.27970 0.012	-0.008 0.009	-0.915 1.28
DZCT		1204	105	-1422.45370 0.012	-0.003 0.009	-0.330 0.46
GROUP: 030312~1.ASC,obs#: 130						
DXCT		GUAM	1204	-2334.07800 0.011	0.004 0.011	0.348 0.61
DYCT		GUAM	1204	-899.22550 0.011	-0.004 0.011	-0.320 0.56
DZCT		GUAM	1204	-5847.61030 0.011	-0.002 0.011	-0.141 0.25
GROUP: 030312~1.ASC,obs#: 131						
DXCT		GUAM	1205	-1310.01110 0.005	-0.005 0.003	-1.626 2.12
DYCT		GUAM	1205	-1359.46170 0.005	0.005 0.003	1.930 2.23
DZCT		GUAM	1205	-1072.76390 0.004	0.007 0.002	3.232 3.26
GROUP: 030312~1.ASC,obs#: 132						
DXCT		1204	1205	1024.04090 0.010	0.018 0.009	2.019 3.58
DYCT		1204	1205	-460.21120 0.009	-0.017 0.008	-1.995 3.39
DZCT		1204	1205	4774.88110 0.009	-0.026 0.008	-3.235 5.32
GROUP: 030312~1.ASC,obs#: 133						
DXCT		405	1205	-1359.10680 0.009	-0.003 0.007	-0.414 0.64
DYCT		405	1205	-3094.64750 0.008	-0.000 0.007	-0.050 0.07
DZCT		405	1205	2949.18980 0.008	-0.004 0.007	-0.637 0.92
GROUP: 030312~1.ASC,obs#: 134						
DXCT		GUAM	1304	-2297.78130 0.014	0.011 0.013	0.880 1.59
DYCT		GUAM	1304	-444.07810 0.013	-0.004 0.013	-0.284 0.50
DZCT		GUAM	1304	-6817.35950 0.013	-0.011 0.013	-0.872 1.55
GROUP: 030312~1.ASC,obs#: 135						

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		1204	1304	36.30530 0.003	-0.001 0.001	-1.067 0.90
DYCT		1204	1304	455.14700 0.002	0.000 0.001	0.475 0.30
DZCT		1204	1304	-969.75950 0.003	0.001 0.001	0.957 0.63
GROUP: 030312~1.ASC,obs#: 136						
DXCT		5	1304	-3157.10190 0.011	0.004 0.009	0.447 0.77
DYCT		5	1304	-3218.72190 0.011	0.002 0.009	0.177 0.29
DZCT		5	1304	-2964.03770 0.010	-0.002 0.009	-0.207 0.33
GROUP: 030312~1.ASC,obs#: 137						
DXCT		GUAM	1405	-2883.96330 0.010	0.010 0.008	1.245 1.98
DYCT		GUAM	1405	-2535.85160 0.010	-0.003 0.008	-0.377 0.59
DZCT		GUAM	1405	-3608.90420 0.009	0.008 0.008	0.924 1.44
GROUP: 030312~1.ASC,obs#: 138						
DXCT		1204	1405	-549.87490 0.005	-0.004 0.003	-1.297 1.36
DYCT		1204	1405	-1636.62690 0.005	0.001 0.003	0.435 0.43
DZCT		1204	1405	2238.71760 0.005	-0.002 0.003	-0.880 0.84
GROUP: 030312~1.ASC,obs#: 139						
DXCT		205	1405	-4089.94880 0.013	0.003 0.011	0.296 0.44
DYCT		205	1405	-5982.55210 0.013	-0.001 0.011	-0.076 0.11
DZCT		205	1405	660.61240 0.013	0.002 0.011	0.148 0.22
GROUP: 030312~1.ASC,obs#: 140						
DXCT		GUAM	1406	-1912.34540 0.006	-0.005 0.004	-1.108 1.54
DYCT		GUAM	1406	-2067.25510 0.006	0.008 0.004	2.156 2.68
DZCT		GUAM	1406	-1395.75840 0.006	0.014 0.004	3.486 4.35
GROUP: 030312~1.ASC,obs#: 141						
DXCT		1204	1406	421.72490 0.009	-0.001 0.007	-0.137 0.21
DYCT		1204	1406	-1168.00780 0.008	-0.010 0.007	-1.388 2.13
DZCT		1204	1406	4451.88700 0.008	-0.020 0.007	-2.841 4.30
GROUP: 030312~1.ASC,obs#: 142						
DXCT		405	1406	-1961.45340 0.010	0.009 0.008	1.148 1.84
DYCT		405	1406	-3802.43030	-0.007	-0.968

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.009	0.008	1.46
DZCT		405	1406	2626.20580	-0.008	-1.078
				0.009	0.007	1.60
GROUP: 030312~1.ASC,obs#: 143						
DXCT		1204	1505	-340.82780	-0.003	-3.265
				0.003	0.001	2.47
DYCT		1204	1505	-24.30270	0.003	4.113
				0.003	0.001	2.62
DZCT		1204	1505	-1073.12190	0.002	3.312
				0.002	0.000	1.41
GROUP: 030312~1.ASC,obs#: 144						
DXCT		304	1505	-3061.51830	0.026	1.797
				0.015	0.014	3.21
DYCT		304	1505	-1302.89320	-0.038	-2.636
				0.015	0.014	4.67
DZCT		304	1505	-7328.98370	-0.028	-2.015
				0.014	0.014	3.51
GROUP: 030312~1.ASC,obs#: 145						
DXCT		GUAM	1505	-2674.92020	0.015	1.166
				0.014	0.013	2.07
DYCT		GUAM	1505	-923.50100	-0.028	-2.112
				0.014	0.013	3.72
DZCT		GUAM	1505	-6920.71290	-0.019	-1.484
				0.013	0.013	2.58
GROUP: 030312~1.ASC,obs#: 146						
DXCT		GUAM	1506	-2425.74970	0.008	1.451
				0.008	0.006	2.00
DYCT		GUAM	1506	-2334.65960	0.005	0.936
				0.008	0.006	1.27
DZCT		GUAM	1506	-2486.47550	-0.001	-0.227
				0.007	0.006	0.31
GROUP: 030312~1.ASC,obs#: 147						
DXCT		1204	1506	-91.65920	-0.008	-1.680
				0.007	0.005	2.19
DYCT		1204	1506	-1435.42210	-0.003	-0.690
				0.007	0.005	0.86
DZCT		1204	1506	3361.13420	0.001	0.196
				0.007	0.004	0.24
GROUP: 030312~1.ASC,obs#: 148						
DXCT		1015	1506	-3152.96650	0.006	0.492
				0.015	0.013	0.75
DYCT		1015	1506	-6250.84320	-0.004	-0.336
				0.015	0.013	0.51
DZCT		1015	1506	4599.00620	0.001	0.093
				0.015	0.012	0.14
GROUP: 030312~1.ASC,obs#: 149						
DXCT		GUAM	1605	-2614.48160	0.007	0.547
				0.014	0.013	0.98
DYCT		GUAM	1605	-831.75290	-0.019	-1.460
				0.014	0.013	2.59
DZCT		GUAM	1605	-6939.00100	-0.019	-1.475
				0.013	0.013	2.56

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: 030312~1.ASC,obs#: 150						
DXCT		1204	1605	-280.39920 0.003	-0.001 0.001	-1.200 0.82
DYCT		1204	1605	67.45570 0.003	0.001 0.001	1.824 1.02
DZCT		1204	1605	-1091.40910 0.002	0.001 0.000	1.896 0.74
GROUP: 030312~1.ASC,obs#: 151						
DXCT		305	1605	-4417.66410 0.014	0.005 0.012	0.385 0.62
DYCT		305	1605	-4507.44650 0.014	-0.008 0.012	-0.704 1.11
DZCT		305	1605	-4132.24950 0.013	-0.009 0.012	-0.795 1.23
GROUP: 030312~1.ASC,obs#: 152						
DXCT		GUAM	205	1205.98580 0.010	0.007 0.008	0.890 1.23
DYCT		GUAM	205	3446.69950 0.010	-0.001 0.008	-0.170 0.23
DZCT		GUAM	205	-4269.51470 0.010	0.004 0.008	0.536 0.73
GROUP: 030312~1.ASC,obs#: 153						
DXCT		1204	205	3540.07210 0.010	-0.005 0.008	-0.645 0.90
DYCT		1204	205	4345.92640 0.010	0.001 0.008	0.104 0.15
DZCT		1204	205	1578.10460 0.010	-0.003 0.008	-0.416 0.58
GROUP: 030312~1.ASC,obs#: 154						
DXCT		GUAM	304	386.58490 0.002	0.003 0.001	4.737 4.14
DYCT		GUAM	304	379.40430 0.002	-0.002 0.000	-5.139 3.42
DZCT		GUAM	304	408.28110 0.002	-0.001 0.000	-4.661 1.99
GROUP: 030312~1.ASC,obs#: 155						
DXCT		1204	304	2720.69290 0.013	-0.031 0.012	-2.546 4.47
DYCT		1204	304	1278.59930 0.012	0.032 0.012	2.611 4.57
DZCT		1204	304	6255.86750 0.012	0.024 0.012	1.995 3.47
GROUP: 030312~1.ASC,obs#: 156						
DXCT		GUAM	305	1803.18160 0.009	0.004 0.006	0.566 0.72
DYCT		GUAM	305	3675.69160 0.009	-0.009 0.006	-1.436 1.80
DZCT		GUAM	305	-2806.75160 0.009	-0.010 0.006	-1.601 1.96

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: 030312~1.ASC,obs#: 157						
DXCT		1204	305	4137.26230 0.013	-0.003 0.011	-0.273 0.43
DYCT		1204	305	4574.90160 0.013	0.010 0.011	0.949 1.47
DZCT		1204	305	3040.83960 0.012	0.011 0.010	1.049 1.59
GROUP: 030312~1.ASC,obs#: 158						
DXCT		GUAM	405	49.10120 0.008	-0.007 0.007	-1.098 1.65
DYCT		GUAM	405	1735.18300 0.008	0.008 0.007	1.212 1.82
DZCT		GUAM	405	-4021.95580 0.008	0.013 0.007	2.035 3.04
GROUP: 030312~1.ASC,obs#: 159						
DXCT		1204	405	2383.15940 0.007	0.009 0.006	1.515 2.18
DYCT		1204	405	2634.43100 0.007	-0.011 0.006	-1.930 2.75
DZCT		1204	405	1825.68830 0.007	-0.019 0.006	-3.344 4.74
GROUP: 030312~1.ASC,obs#: 160						
DXCT		GUAM	5	859.32290 0.009	0.005 0.007	0.726 1.05
DYCT		GUAM	5	2774.64400 0.009	-0.005 0.007	-0.792 1.11
DZCT		GUAM	5	-3853.32310 0.009	-0.008 0.007	-1.192 1.68
GROUP: 030312~1.ASC,obs#: 161						
DXCT		1204	5	3193.40500 0.010	-0.003 0.008	-0.348 0.55
DYCT		1204	5	3673.85930 0.010	0.008 0.008	1.043 1.59
DZCT		1204	5	1994.27230 0.010	0.008 0.008	1.054 1.59
GROUP: 030312~1.ASC,obs#: 162						
DXCT		GUAM	501	2041.48140 0.012	0.008 0.009	0.935 1.26
DYCT		GUAM	501	223.25370 0.012	-0.002 0.008	-0.212 0.26
DZCT		GUAM	501	6025.10120 0.012	-0.002 0.008	-0.277 0.34
GROUP: 030312~1.ASC,obs#: 163						
DXCT		NCS	501	1129.21200 0.016	0.010 0.012	0.766 1.15
DYCT		NCS	501	-1889.70960 0.015	0.000 0.012	0.012 0.02
DZCT		NCS	501	8024.09650 0.015	-0.005 0.012	-0.389 0.56
GROUP: 030312~1.ASC,obs#: 164						
DXCT		1204	501	4375.61400 0.024	-0.050 0.022	-2.317 3.97

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		1204	501	1122.47770 0.023	0.003 0.021	0.161 0.26
DZCT		1204	501	11872.69240 0.023	0.018 0.021	0.878 1.46
GROUP: 030312~1.ASC,obs#: 165						
DXCT		GUAM	904	-2930.18750 0.012	-0.004 0.012	-0.329 0.58
DYCT		GUAM	904	-1727.51240 0.012	-0.003 0.012	-0.290 0.51
DZCT		GUAM	904	-5879.66600 0.012	-0.003 0.012	-0.233 0.40
GROUP: 030312~1.ASC,obs#: 166						
DXCT		1204	904	-596.11740 0.002	0.000 0.001	0.230 0.12
DYCT		1204	904	-828.28690 0.002	0.000 0.000	0.251 0.11
DZCT		1204	904	-32.05700 0.002	0.000 0.000	0.280 0.11
GROUP: 030312~1.ASC,obs#: 167						
DXCT		GUAM	914	-2321.82910 0.011	0.012 0.011	1.053 1.83
DYCT		GUAM	914	-879.92070 0.011	0.003 0.011	0.275 0.48
DZCT		GUAM	914	-5853.75220 0.011	-0.006 0.011	-0.562 0.98
GROUP: 030312~1.ASC,obs#: 168						
DXCT		1204	914	12.25760 0.002	-0.001 0.001	-1.489 38.39
DYCT		1204	914	19.31080 0.002	0.001 0.000	1.275 24.90
DZCT		1204	914	-6.14680 0.001	0.000 0.000	1.511 10.50
GROUP: 030312~1.ASC,obs#: 169						
DXCT		105	914	-3384.56570 0.012	0.010 0.010	1.034 1.54
DYCT		105	914	-5334.95260 0.012	-0.007 0.009	-0.789 1.15
DZCT		105	914	1416.31370 0.012	-0.004 0.009	-0.396 0.55
GROUP: 030312~1.ASC,obs#: 170						
DXCT		GUAM	NCS	912.27330 0.006	-0.005 0.004	-1.328 1.78
DYCT		GUAM	NCS	2112.95560 0.005	0.006 0.004	1.428 1.92
DZCT		GUAM	NCS	-1998.99650 0.005	0.004 0.004	0.898 1.22
GROUP: 030312~1.ASC,obs#: 171						
DXCT		1204	NCS	3246.32590 0.011	0.016 0.010	1.672 2.75
DYCT		1204	NCS	3012.20460 0.010	-0.014 0.010	-1.462 2.40
DZCT		1204	NCS	3848.62030	-0.001	-0.128

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.010	0.010	0.21
GROUP:	030412~1.ASC,	obs#:	172			
DXCT		GUAM	1004	1767.50580	-0.006	-0.400
				0.017	0.014	0.58
DYCT		GUAM	1004	5618.09140	0.000	0.026
				0.017	0.014	0.04
DZCT		GUAM	1004	-7747.72640	-0.001	-0.063
				0.017	0.014	0.09
GROUP:	030412~1.ASC,	obs#:	173			
DXCT		1204	1004	4101.57470	-0.000	-0.043
				0.014	0.010	0.06
DYCT		1204	1004	6517.31580	0.005	0.496
				0.014	0.010	0.63
DZCT		1204	1004	-1900.11660	0.001	0.115
				0.014	0.010	0.15
GROUP:	030412~1.ASC,	obs#:	174			
DXCT		1407	1004	6005.84150	0.010	0.524
				0.022	0.019	0.80
DYCT		1407	1004	9893.20400	-0.012	-0.656
				0.022	0.019	1.00
DZCT		1407	1004	-3622.46580	-0.001	-0.069
				0.022	0.019	0.11
GROUP:	030412~1.ASC,	obs#:	175			
DXCT		GUAM	1016	-1616.52660	0.019	0.982
				0.022	0.019	1.56
DYCT		GUAM	1016	2399.97100	-0.005	-0.253
				0.022	0.019	0.40
DZCT		GUAM	1016	-11734.26410	-0.014	-0.777
				0.022	0.019	1.20
GROUP:	030412~1.ASC,	obs#:	176			
DXCT		1204	1016	717.57240	-0.006	-0.988
				0.012	0.006	0.89
DYCT		1204	1016	3299.19370	0.002	0.257
				0.012	0.006	0.23
DZCT		1204	1016	-5886.67140	0.005	0.785
				0.012	0.006	0.69
GROUP:	030412~1.ASC,	obs#:	177			
DXCT		GUAM	106	166.29820	0.014	0.961
				0.016	0.014	1.51
DYCT		GUAM	106	3585.40150	-0.009	-0.651
				0.016	0.014	1.02
DZCT		GUAM	106	-8214.58720	-0.018	-1.269
				0.016	0.014	1.97
GROUP:	030412~1.ASC,	obs#:	178			
DXCT		1204	106	2500.38840	-0.003	-0.371
				0.010	0.007	0.44
DYCT		1204	106	4484.61810	0.003	0.497
				0.010	0.007	0.59
DZCT		1204	106	-2366.99740	0.004	0.657
				0.010	0.007	0.77
GROUP:	030412~1.ASC,	obs#:	179			
DXCT		GUAM	1204	-2334.06380	-0.010	-0.935

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.011	0.011	1.63
DYCT		GUAM	1204	-899.23840	0.009	0.845
				0.011	0.011	1.47
DZCT		GUAM	1204	-5847.60630	-0.006	-0.503
				0.011	0.011	0.87
GROUP: 030412~1.ASC,obs#: 180						
DXCT		GUAM	1206	-3721.12520	-0.010	-0.760
				0.014	0.013	1.29
DYCT		GUAM	1206	-2592.01840	0.004	0.313
				0.014	0.013	0.53
DZCT		GUAM	1206	-6353.24020	-0.014	-1.071
				0.014	0.013	1.81
GROUP: 030412~1.ASC,obs#: 181						
DXCT		1204	1206	-1387.06280	0.002	0.962
				0.005	0.002	0.75
DYCT		1204	1206	-1692.78480	-0.000	-0.261
				0.004	0.002	0.19
DZCT		1204	1206	-505.64380	0.001	0.938
				0.004	0.001	0.60
GROUP: 030412~1.ASC,obs#: 182						
DXCT		GUAM	1305	-4139.39020	0.010	0.766
				0.014	0.013	1.29
DYCT		GUAM	1305	-3337.89560	-0.019	-1.467
				0.014	0.013	2.44
DZCT		GUAM	1305	-5665.32420	-0.014	-1.117
				0.014	0.013	1.85
GROUP: 030412~1.ASC,obs#: 183						
DXCT		1204	1305	-1805.30330	-0.003	-1.054
				0.006	0.003	0.91
DYCT		1204	1305	-2438.68880	0.003	1.293
				0.006	0.003	1.09
DZCT		1204	1305	182.27020	0.003	1.275
				0.005	0.002	1.03
GROUP: 030412~1.ASC,obs#: 184						
DXCT		106	1305	-4305.69880	0.007	0.526
				0.016	0.013	0.80
DYCT		106	1305	-6923.30620	-0.001	-0.057
				0.015	0.013	0.09
DZCT		106	1305	2549.27250	-0.006	-0.484
				0.015	0.013	0.72
GROUP: 030412~1.ASC,obs#: 185						
DXCT		GUAM	1306	-2275.41760	0.004	0.223
				0.019	0.017	0.36
DYCT		GUAM	1306	905.56640	0.008	0.455
				0.019	0.017	0.75
DZCT		GUAM	1306	-9857.67300	-0.006	-0.384
				0.018	0.016	0.62
GROUP: 030412~1.ASC,obs#: 186						
DXCT		1204	1306	58.66090	-0.001	-0.097
				0.011	0.007	0.15
DYCT		1204	1306	1804.80440	-0.001	-0.245
				0.010	0.005	0.30

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		1204	1306	-4010.07060 0.009	0.003 0.005	0.685 0.72
GROUP: 030412~1.ASC,obs#: 187						
DXCT		207	1306	-1778.48190 0.012	-0.001 0.005	-0.201 0.16
DYCT		207	1306	-4077.34760 0.011	-0.000 0.004	-0.048 0.03
DZCT		207	1306	3931.94350 0.011	-0.003 0.004	-0.667 0.45
GROUP: 030412~1.ASC,obs#: 188						
DXCT		GUAM	1407	-4238.34570 0.013	-0.005 0.011	-0.478 0.74
DYCT		GUAM	1407	-4275.09960 0.013	-0.000 0.011	-0.041 0.06
DZCT		GUAM	1407	-4125.26100 0.013	0.001 0.011	0.069 0.11
GROUP: 030412~1.ASC,obs#: 189						
DXCT		1204	1407	-1904.28010 0.008	0.003 0.004	0.741 0.74
DYCT		1204	1407	-3375.86960 0.008	-0.001 0.004	-0.339 0.34
DZCT		1204	1407	1722.35210 0.008	-0.000 0.004	-0.111 0.11
GROUP: 030412~1.ASC,obs#: 190						
DXCT		GUAM	1408	-1381.73710 0.014	-0.032 0.013	-2.442 4.09
DYCT		GUAM	1408	1204.58220 0.014	0.031 0.013	2.331 3.87
DZCT		GUAM	1408	-7681.08540 0.014	0.008 0.013	0.591 0.98
GROUP: 030412~1.ASC,obs#: 191						
DXCT		1204	1408	952.30020 0.006	0.005 0.002	1.870 1.53
DYCT		1204	1408	2103.84700 0.005	-0.005 0.002	-2.259 1.76
DZCT		1204	1408	-1833.46500 0.005	-0.001 0.002	-0.355 0.27
GROUP: 030412~1.ASC,obs#: 192						
DXCT		306	1408	-850.70470 0.013	0.003 0.008	0.397 0.45
DYCT		306	1408	-3653.57810 0.013	0.003 0.008	0.378 0.43
DZCT		306	1408	5900.71060 0.013	-0.003 0.008	-0.329 0.37
GROUP: 030412~1.ASC,obs#: 193						
DXCT		GUAM	1507	-2830.23940 0.015	-0.011 0.015	-0.736 1.27
DYCT		GUAM	1507	-690.35340 0.015	0.011 0.014	0.731 1.25
DZCT		GUAM	1507	-7955.26280 0.015	-0.008 0.015	-0.518 0.89
GROUP: 030412~1.ASC,obs#: 194						

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		1204	1507	-496.17200 0.005	-0.004 0.002	-2.099 1.86
DYCT		1204	1507	208.88500 0.004	0.001 0.002	0.793 0.57
DZCT		1204	1507	-2107.66270 0.004	0.004 0.002	2.452 1.93
GROUP: 030412~1.ASC,obs#: 195						
DXCT		406	1507	-1829.12940 0.011	0.027 0.008	3.555 5.48
DYCT		406	1507	-3709.57090 0.009	-0.012 0.006	-1.925 2.44
DZCT		406	1507	2702.36890 0.010	-0.021 0.007	-3.064 4.21
GROUP: 030412~1.ASC,obs#: 196						
DXCT		GUAM	1606	-2653.33890 0.017	-0.009 0.016	-0.555 0.93
DYCT		GUAM	1606	-36.49990 0.016	0.007 0.015	0.439 0.74
DZCT		GUAM	1606	-8829.44700 0.016	-0.008 0.015	-0.547 0.91
GROUP: 030412~1.ASC,obs#: 197						
DXCT		1204	1606	-319.27450 0.006	0.001 0.002	0.563 0.36
DYCT		1204	1606	862.73680 0.006	-0.001 0.002	-0.462 0.28
DZCT		1204	1606	-2981.84450 0.006	0.001 0.002	0.524 0.30
GROUP: 030412~1.ASC,obs#: 198						
DXCT		GUAM	206	1890.86820 0.013	0.006 0.010	0.640 0.90
DYCT		GUAM	206	4539.71070 0.012	-0.003 0.009	-0.362 0.50
DZCT		GUAM	206	-4636.10650 0.012	0.001 0.009	0.151 0.20
GROUP: 030412~1.ASC,obs#: 199						
DXCT		1204	206	4224.94420 0.013	0.004 0.010	0.437 0.61
DYCT		1204	206	5438.93920 0.013	-0.003 0.010	-0.291 0.40
DZCT		1204	206	1211.50730 0.012	-0.001 0.010	-0.061 0.08
GROUP: 030412~1.ASC,obs#: 200						
DXCT		GUAM	207	-496.92550 0.026	-0.006 0.023	-0.244 0.38
DYCT		GUAM	207	4982.92290 0.026	-0.001 0.023	-0.046 0.07
DZCT		GUAM	207	-13789.60440 0.026	-0.016 0.023	-0.682 1.07
GROUP: 030412~1.ASC,obs#: 201						
DXCT		GUAM	306	-531.06300 0.026	-0.005 0.024	-0.204 0.34
DYCT		GUAM	306	4858.16850	0.019	0.816

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.026	0.024	1.34
DZCT		GUAM	306	-13581.77970	-0.006	-0.252
				0.026	0.024	0.41
GROUP: 030412~1.ASC,obs#: 202						
DXCT		1204	306	1802.99730	0.009	0.596
				0.018	0.015	0.91
DYCT		1204	306	5757.42050	-0.004	-0.241
				0.018	0.015	0.36
DZCT		1204	306	-7734.17100	-0.003	-0.189
				0.018	0.015	0.29
GROUP: 030412~1.ASC,obs#: 203						
DXCT		GUAM	406	-1001.17010	0.022	1.214
				0.020	0.018	2.00
DYCT		GUAM	406	3019.24290	-0.003	-0.151
				0.020	0.018	0.25
DZCT		GUAM	406	-10657.58150	-0.037	-2.013
				0.020	0.018	3.32
GROUP: 030412~1.ASC,obs#: 204						
DXCT		1204	406	1332.90890	0.017	2.010
				0.011	0.009	2.74
DYCT		1204	406	3918.47780	-0.009	-0.970
				0.011	0.009	1.36
DZCT		1204	406	-4809.99910	-0.007	-0.852
				0.011	0.009	1.18
GROUP: 030412~1.ASC,obs#: 205						
DXCT		GUAM	505	222.51960	-0.010	-0.645
				0.017	0.015	1.03
DYCT		GUAM	505	3837.32880	0.002	0.118
				0.017	0.015	0.19
DZCT		GUAM	505	-8616.14150	-0.012	-0.810
				0.017	0.015	1.27
GROUP: 030412~1.ASC,obs#: 206						
DXCT		1204	505	2556.58390	0.000	0.017
				0.011	0.008	0.02
DYCT		1204	505	4736.56130	-0.002	-0.219
				0.011	0.008	0.28
DZCT		1204	505	-2768.54510	0.003	0.459
				0.011	0.008	0.57
GROUP: 030412~1.ASC,obs#: 207						
DXCT		1206	505	3943.63850	0.007	0.567
				0.014	0.012	0.84
DYCT		1206	505	6429.34330	0.002	0.130
				0.014	0.012	0.20
DZCT		1206	505	-2262.90170	0.003	0.219
				0.014	0.011	0.32
GROUP: 030412~1.ASC,obs#: 208						
DXCT		GUAM	915	-3700.75320	-0.020	-2.025
				0.011	0.010	3.11
DYCT		GUAM	915	-3760.77310	0.013	1.386
				0.011	0.010	2.11
DZCT		GUAM	915	-3522.46500	0.004	0.373
				0.011	0.010	0.57

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: 030412~1.ASC,obs#: 209						
DXCT		1204	915	-1366.70340 0.007	0.005 0.004	1.103 1.18
DYCT		1204	915	-2861.52720 0.007	-0.003 0.004	-0.843 0.88
DZCT		1204	915	2325.15230 0.007	-0.002 0.004	-0.455 0.47
GROUP: 030412~1.ASC,obs#: 210						
DXCT		206	915	-5591.67000 0.019	0.023 0.016	1.408 2.26
DYCT		206	915	-8300.45340 0.018	-0.014 0.016	-0.862 1.36
DZCT		206	915	1113.64230 0.018	0.001 0.016	0.091 0.14
GROUP: 030512.ASC ,obs#: 211						
DXCT		GUAM	1017	-494.80920 0.026	0.012 0.026	0.468 0.83
DYCT		GUAM	1017	4969.46070 0.026	0.025 0.026	0.985 1.74
DZCT		GUAM	1017	-13747.29460 0.026	0.008 0.026	0.302 0.53
GROUP: 030512.ASC ,obs#: 212						
DXCT		GUUG	1017	-1342.32460 0.008	0.001 0.008	0.112 0.19
DYCT		GUUG	1017	-3127.18760 0.008	-0.006 0.008	-0.722 1.23
DZCT		GUUG	1017	3063.27550 0.008	-0.000 0.008	-0.007 0.01
GROUP: 030512.ASC ,obs#: 213						
DXCT		GUUG	1018	-2033.05930 0.015	-0.043 0.014	-3.096 5.34
DYCT		GUUG	1018	-5180.29520 0.014	-0.011 0.014	-0.791 1.33
DZCT		GUUG	1018	5767.83390 0.014	0.020 0.013	1.502 2.51
GROUP: 030512.ASC ,obs#: 214						
DXCT		1017	1018	-690.78140 0.007	0.003 0.005	0.668 0.88
DYCT		1017	1018	-2053.11000 0.006	-0.003 0.004	-0.609 0.77
DZCT		1017	1018	2704.58090 0.006	-0.002 0.004	-0.542 0.66
GROUP: 030512.ASC ,obs#: 215						
DXCT		GUAM	1018	-1185.59680 0.021	0.021 0.020	1.063 1.86
DYCT		GUAM	1018	2916.34330 0.020	0.030 0.020	1.520 2.63
DZCT		GUAM	1018	-11042.71320 0.020	0.005 0.020	0.252 0.43
GROUP: 030512.ASC ,obs#: 216						
DXCT		1207	1018	-2070.80970 0.007	0.004 0.005	0.874 1.15

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		1207	1018	-2921.25710 0.007	0.001 0.004	0.333 0.42
DZCT		1207	1018	5.46970 0.006	-0.002 0.004	-0.558 0.66
GROUP: 030512.ASC ,obs#: 217						
DXCT		GUUG	107	-127.95200 0.004	0.003 0.003	1.255 1.63
DYCT		GUUG	107	-909.35440 0.004	-0.003 0.002	-1.405 1.64
DZCT		GUUG	107	1731.57530 0.004	-0.005 0.002	-2.449 2.61
GROUP: 030512.ASC ,obs#: 218						
DXCT		1017	107	1214.37860 0.006	-0.004 0.004	-0.828 1.28
DYCT		1017	107	2217.83400 0.005	0.002 0.004	0.380 0.56
DZCT		1017	107	-1331.71220 0.005	0.007 0.004	1.714 2.43
GROUP: 030512.ASC ,obs#: 219						
DXCT		GUAM	107	719.56570 0.030	0.012 0.030	0.407 0.72
DYCT		GUAM	107	7187.29380 0.030	0.028 0.030	0.943 1.67
DZCT		GUAM	107	-15079.00020 0.030	0.008 0.030	0.275 0.49
GROUP: 030512.ASC ,obs#: 220						
DXCT		1105	107	-469.44640 0.012	-0.007 0.010	-0.668 1.05
DYCT		1105	107	1828.87720 0.011	0.013 0.010	1.381 2.11
DZCT		1105	107	-5933.25680 0.011	0.012 0.009	1.344 2.00
GROUP: 030512.ASC ,obs#: 221						
DXCT		GUUG	1104	349.39360 0.016	0.003 0.014	0.236 0.39
DYCT		GUUG	1104	-2969.70580 0.016	-0.007 0.014	-0.476 0.77
DZCT		GUUG	1104	8282.05020 0.016	0.006 0.014	0.402 0.65
GROUP: 030512.ASC ,obs#: 222						
DXCT		1017	1104	1691.70920 0.010	0.012 0.007	1.556 2.10
DYCT		1017	1104	157.49230 0.010	-0.012 0.007	-1.605 2.13
DZCT		1017	1104	5218.78550 0.010	-0.005 0.007	-0.685 0.91
GROUP: 030512.ASC ,obs#: 223						
DXCT		GUAM	1104	1196.94260 0.018	-0.019 0.017	-1.145 1.90
DYCT		GUAM	1104	5126.93020 0.018	0.037 0.017	2.210 3.65
DZCT		GUAM	1104	-8528.48450	-0.022	-1.317

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.018	0.017	2.18
GROUP:	030512.ASC	,obs#:	224			
DXCT		307	1104	552.84150	-0.013	-1.094
				0.014	0.012	1.75
DYCT		307	1104	-2148.70270	0.006	0.520
				0.013	0.011	0.81
DZCT		307	1104	6955.22660	0.017	1.484
				0.013	0.011	2.31
GROUP:	030512.ASC	,obs#:	225			
DXCT		GUUG	1105	341.49820	0.006	0.445
				0.015	0.013	0.73
DYCT		GUUG	1105	-2738.23950	-0.008	-0.638
				0.015	0.013	1.04
DZCT		GUUG	1105	7664.82950	-0.015	-1.140
				0.015	0.013	1.84
GROUP:	030512.ASC	,obs#:	226			
DXCT		1017	1105	1683.83470	-0.007	-1.014
				0.009	0.007	1.39
DYCT		1017	1105	388.94030	0.005	0.764
				0.009	0.007	1.01
DZCT		1017	1105	4601.53680	0.002	0.355
				0.009	0.006	0.46
GROUP:	030512.ASC	,obs#:	227			
DXCT		GUAM	1105	1189.02670	0.004	0.223
				0.019	0.018	0.38
DYCT		GUAM	1105	5358.40370	0.028	1.538
				0.019	0.018	2.60
DZCT		GUAM	1105	-9145.79800	0.050	2.801
				0.019	0.018	4.71
GROUP:	030512.ASC	,obs#:	228			
DXCT		1017	1204	-1839.25210	-0.025	-1.423
				0.018	0.018	2.49
DYCT		1017	1204	-5868.69210	-0.023	-1.317
				0.018	0.018	2.30
DZCT		1017	1204	7899.65760	0.017	0.993
				0.018	0.017	1.73
GROUP:	030512.ASC	,obs#:	229			
DXCT		GUAM	1204	-2334.05460	-0.020	-1.753
				0.011	0.011	3.07
DYCT		GUAM	1204	-899.23910	0.010	0.904
				0.011	0.011	1.58
DZCT		GUAM	1204	-5847.62760	0.016	1.418
				0.011	0.011	2.47
GROUP:	030512.ASC	,obs#:	230			
DXCT		GUUG	1207	37.70460	-0.001	-0.107
				0.011	0.010	0.18
DYCT		GUUG	1207	-2259.04090	-0.009	-0.922
				0.011	0.010	1.52
DZCT		GUUG	1207	5762.38370	0.003	0.302
				0.011	0.010	0.49
GROUP:	030512.ASC	,obs#:	231			
DXCT		1017	1207	1380.02710	0.000	0.031

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.006	0.004	0.04
DYCT		1017	1207	868.14110	0.002	0.471
				0.006	0.004	0.58
DZCT		1017	1207	2699.11360	-0.002	-0.624
				0.006	0.004	0.73
GROUP: 030512.ASC ,obs#: 232						
DXCT		GUAM	1207	885.18550	0.045	2.042
				0.022	0.022	3.56
DYCT		GUAM	1207	5837.59800	0.031	1.425
				0.022	0.022	2.48
DZCT		GUAM	1207	-11048.17300	-0.003	-0.116
				0.022	0.022	0.20
GROUP: 030512.ASC ,obs#: 233						
DXCT		GUUG	1307	891.50380	-0.004	-0.275
				0.017	0.015	0.44
DYCT		GUUG	1307	-2493.61180	-0.008	-0.506
				0.017	0.015	0.80
DZCT		GUUG	1307	8988.75480	0.016	1.109
				0.017	0.015	1.76
GROUP: 030512.ASC ,obs#: 234						
DXCT		1017	1307	2233.82770	-0.004	-0.504
				0.011	0.008	0.67
DYCT		1017	1307	633.57590	-0.002	-0.237
				0.011	0.008	0.32
DZCT		1017	1307	5925.49240	0.003	0.407
				0.011	0.008	0.54
GROUP: 030512.ASC ,obs#: 235						
DXCT		GUAM	1307	1739.00550	0.021	1.309
				0.018	0.016	2.13
DYCT		GUAM	1307	5603.04410	0.016	1.007
				0.017	0.016	1.63
DZCT		GUAM	1307	-7821.77740	-0.014	-0.862
				0.017	0.016	1.39
GROUP: 030512.ASC ,obs#: 236						
DXCT		GUUG	1409	-181.89830	-0.008	-0.674
				0.013	0.012	1.14
DYCT		GUUG	1409	-2765.81310	-0.006	-0.533
				0.012	0.011	0.88
DZCT		GUUG	1409	6294.17700	-0.008	-0.721
				0.012	0.011	1.18
GROUP: 030512.ASC ,obs#: 237						
DXCT		1017	1409	1160.41760	0.000	0.004
				0.007	0.005	0.01
DYCT		1017	1409	361.37290	0.001	0.255
				0.007	0.004	0.33
DZCT		1017	1409	3230.89390	-0.000	-0.111
				0.006	0.004	0.14
GROUP: 030512.ASC ,obs#: 238						
DXCT		GUAM	1409	665.58570	0.035	1.674
				0.021	0.021	2.95
DYCT		GUAM	1409	5330.83840	0.022	1.052
				0.021	0.021	1.84

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		GUAM	1409	-10516.44790 0.021	0.055 0.020	2.667 4.62
GROUP: 030512.ASC ,obs#: 239						
DXCT		308	1409	429.09140 0.009	-0.002 0.007	-0.294 0.45
DYCT		308	1409	-1195.64320 0.009	-0.003 0.007	-0.381 0.57
DZCT		308	1409	4558.00290 0.009	-0.004 0.007	-0.593 0.86
GROUP: 030512.ASC ,obs#: 240						
DXCT		GUUG	1607	615.87180 0.016	0.003 0.014	0.215 0.35
DYCT		GUUG	1607	-2556.41520 0.015	-0.003 0.014	-0.247 0.41
DZCT		GUUG	1607	8152.84360 0.015	0.009 0.014	0.654 1.06
GROUP: 030512.ASC ,obs#: 241						
DXCT		1017	1607	1958.20970 0.010	-0.011 0.008	-1.403 2.03
DYCT		1017	1607	570.77050 0.010	0.004 0.008	0.516 0.74
DZCT		1017	1607	5089.58200 0.010	-0.005 0.008	-0.620 0.86
GROUP: 030512.ASC ,obs#: 242						
DXCT		GUAM	1607	1463.38710 0.019	0.014 0.017	0.822 1.38
DYCT		GUAM	1607	5540.24220 0.019	0.018 0.017	1.060 1.78
DZCT		GUAM	1607	-8657.66590 0.018	-0.044 0.017	-2.512 4.20
GROUP: 030512.ASC ,obs#: 243						
DXCT		407	1607	-1099.34340 0.015	0.010 0.013	0.750 1.22
DYCT		407	1607	-4403.28190 0.015	-0.015 0.013	-1.098 1.76
DZCT		407	1607	6927.95750 0.015	0.010 0.013	0.751 1.18
GROUP: 030512.ASC ,obs#: 244						
DXCT		307	1607	819.30480 0.015	0.002 0.014	0.129 0.25
DYCT		307	1607	-1735.40100 0.014	-0.002 0.012	-0.157 0.27
DZCT		307	1607	6826.02450 0.013	0.016 0.011	1.396 2.22
GROUP: 030512.ASC ,obs#: 245						
DXCT		GUUG	1608	-154.87800 0.013	-0.005 0.012	-0.448 0.77
DYCT		GUUG	1608	-2740.10730 0.012	-0.011 0.012	-0.913 1.54
DZCT		GUUG	1608	6312.00450 0.012	-0.003 0.012	-0.254 0.43
GROUP: 030512.ASC ,obs#: 246						

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		1017	1608	1187.44110 0.007	-0.001 0.005	-0.143 0.20
DYCT		1017	1608	387.07630 0.006	-0.001 0.005	-0.199 0.27
DZCT		1017	1608	3248.72830 0.006	-0.002 0.005	-0.471 0.62
GROUP: 030512.ASC ,obs#: 247						
DXCT		GUAM	1608	692.62840 0.021	0.015 0.021	0.719 1.26
DYCT		GUAM	1608	5356.52270 0.021	0.039 0.021	1.886 3.28
DZCT		GUAM	1608	-10498.59750 0.021	0.037 0.021	1.796 3.12
GROUP: 030512.ASC ,obs#: 248						
DXCT		GUUG	307	-203.42680 0.004	-0.005 0.002	-2.395 3.14
DYCT		GUUG	307	-821.01900 0.003	0.003 0.002	1.891 2.04
DZCT		GUUG	307	1326.80620 0.003	0.006 0.002	4.061 3.98
GROUP: 030512.ASC ,obs#: 249						
DXCT		1017	307	1138.88650 0.006	0.005 0.005	1.126 1.77
DYCT		1017	307	2306.18290 0.006	-0.005 0.005	-1.156 1.76
DZCT		1017	307	-1736.44970 0.006	-0.013 0.005	-2.830 4.28
GROUP: 030512.ASC ,obs#: 250						
DXCT		GUAM	307	644.02960 0.031	0.065 0.030	2.147 3.81
DYCT		GUAM	307	7275.67140 0.030	-0.008 0.030	-0.259 0.46
DZCT		GUAM	307	-15483.74480 0.030	-0.005 0.030	-0.165 0.29
GROUP: 030512.ASC ,obs#: 251						
DXCT		GUUG	308	-610.99120 0.005	-0.004 0.004	-1.165 1.73
DYCT		GUUG	308	-1570.16880 0.005	-0.005 0.003	-1.343 1.86
DZCT		GUUG	308	1736.17470 0.004	-0.005 0.003	-1.466 1.92
GROUP: 030512.ASC ,obs#: 252						
DXCT		1017	308	731.32540 0.005	0.003 0.003	0.952 1.35
DYCT		1017	308	1557.01730 0.004	0.003 0.003	0.917 1.20
DZCT		1017	308	-1327.10810 0.004	0.003 0.003	1.030 1.25
GROUP: 030512.ASC ,obs#: 253						
DXCT		GUAM	308	236.52740 0.030	0.004 0.029	0.130 0.23
DYCT		GUAM	308	6526.48470	0.021	0.730

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.029	0.029	1.30
DZCT		GUAM	308	-15074.39760	0.005	0.186
				0.029	0.029	0.33
GROUP:	030512.ASC	,obs#:	254			
DXCT		GUUG	407	1715.20670	0.001	0.397
				0.006	0.004	0.52
DYCT		GUUG	407	1846.88120	-0.003	-1.023
				0.006	0.003	1.22
DZCT		GUUG	407	1224.88390	0.002	0.554
				0.005	0.003	0.55
GROUP:	030512.ASC	,obs#:	255			
DXCT		1017	407	3057.53210	-0.000	-0.020
				0.011	0.010	0.03
DYCT		1017	407	4974.06750	0.004	0.352
				0.011	0.010	0.57
DZCT		1017	407	-1838.38230	-0.008	-0.780
				0.011	0.010	1.26
GROUP:	030512.ASC	,obs#:	256			
DXCT		1307	407	823.70350	0.005	0.344
				0.017	0.014	0.56
DYCT		1307	407	4340.49460	0.003	0.180
				0.016	0.014	0.28
DZCT		1307	407	-7763.89650	0.011	0.771
				0.016	0.014	1.19
GROUP:	030512.ASC	,obs#:	257			
DXCT		1017	506	-1363.64110	-0.006	-0.763
				0.010	0.008	1.10
DYCT		1017	506	-3410.94380	-0.019	-2.541
				0.010	0.007	3.55
DZCT		1017	506	3693.02260	0.011	1.507
				0.009	0.007	2.03
GROUP:	030512.ASC	,obs#:	258			
DXCT		GUAM	506	-1858.43820	-0.006	-0.331
				0.019	0.017	0.56
DYCT		GUAM	506	1558.50710	0.017	0.963
				0.019	0.017	1.62
DZCT		GUAM	506	-10054.26020	0.007	0.379
				0.018	0.017	0.63
GROUP:	030512.ASC	,obs#:	259			
DXCT		1204	506	475.62320	0.007	1.071
				0.009	0.007	1.43
DYCT		1204	506	2457.74080	0.012	1.881
				0.009	0.006	2.46
DZCT		1204	506	-4206.63080	-0.011	-1.749
				0.009	0.006	2.24
GROUP:	030512.ASC	,obs#:	260			
DXCT		GUUG	507	-1425.85210	-0.007	-0.842
				0.009	0.009	1.52
DYCT		GUUG	507	-3277.96910	-0.009	-1.054
				0.009	0.008	1.83
DZCT		GUUG	507	3156.91420	0.002	0.219
				0.009	0.008	0.39

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP:	030512.ASC	,obs#:	261			
DXCT		1017	507	-83.53650 0.003	0.001 0.001	0.786 4.59
DYCT		1017	507	-150.78430 0.002	-0.000 0.001	-0.511 1.68
DZCT		1017	507	93.64130 0.002	-0.001 0.001	-0.790 3.52
GROUP:	030512.ASC	,obs#:	262			
DXCT		GUAM	507	-578.33180 0.027	-0.001 0.027	-0.034 0.06
DYCT		GUAM	507	4818.65750 0.026	0.044 0.026	1.699 3.04
DZCT		GUAM	507	-13653.68070 0.026	0.034 0.026	1.317 2.38
GROUP:	030512.ASC	,obs#:	263			
DXCT		1608	507	-1270.97480 0.008	-0.001 0.006	-0.205 0.35
DYCT		1608	507	-537.86000 0.007	0.000 0.005	0.004 0.01
DZCT		1608	507	-3155.08620 0.007	0.001 0.005	0.127 0.20
GROUP:	030512.ASC	,obs#:	264			
DXCT		GUUG	6	334.26360 0.004	0.002 0.002	1.293 1.54
DYCT		GUUG	6	-209.56280 0.003	-0.003 0.002	-1.766 1.74
DZCT		GUUG	6	1558.43080 0.003	-0.003 0.001	-1.934 1.73
GROUP:	030512.ASC	,obs#:	265			
DXCT		1017	6	1676.59410 0.007	-0.004 0.006	-0.748 1.17
DYCT		1017	6	2917.62120 0.007	0.006 0.006	1.119 1.74
DZCT		1017	6	-1504.85660 0.007	0.009 0.006	1.608 2.49
GROUP:	030512.ASC	,obs#:	266			
DXCT		GUAM	6	1181.80630 0.031	-0.014 0.031	-0.447 0.79
DYCT		GUAM	6	7887.07090 0.031	0.043 0.030	1.407 2.49
DZCT		GUAM	6	-15252.14940 0.031	0.015 0.030	0.498 0.88
GROUP:	030612.ASC	,obs#:	267			
DXCT		1208	1005	-6947.27860 0.021	-0.042 0.020	-2.154 3.69
DYCT		1208	1005	-8951.29800 0.020	0.013 0.020	0.674 1.15
DZCT		1208	1005	-1710.53050 0.020	0.001 0.019	0.075 0.13
GROUP:	030612.ASC	,obs#:	268			
DXCT		GUUG	1005	-1380.77040 0.009	0.017 0.007	2.507 3.50

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		GUUG	1005	-3284.01540 0.009	-0.015 0.007	-2.235 3.03
DZCT		GUUG	1005	3335.61530 0.009	0.006 0.007	0.854 1.14
GROUP: 030612.ASC ,obs#: 269						
DXCT		GUAM	1005	-533.19880 0.026	-0.028 0.025	-1.107 1.95
DYCT		GUAM	1005	4812.62290 0.026	0.026 0.025	1.044 1.83
DZCT		GUAM	1005	-13474.88990 0.025	-0.051 0.025	-2.078 3.60
GROUP: 030612.ASC ,obs#: 270						
DXCT		1208	1019	-4726.01430 0.018	0.023 0.017	1.356 2.25
DYCT		1208	1019	-3316.44530 0.018	-0.007 0.017	-0.435 0.72
DZCT		1208	1019	-8153.67900 0.018	-0.005 0.017	-0.313 0.52
GROUP: 030612.ASC ,obs#: 271						
DXCT		GUUG	1019	840.58430 0.007	-0.009 0.004	-2.193 2.13
DYCT		GUUG	1019	2350.79910 0.007	0.003 0.004	0.818 0.77
DZCT		GUUG	1019	-3107.53620 0.007	0.002 0.004	0.526 0.49
GROUP: 030612.ASC ,obs#: 272						
DXCT		GUAM	1019	1688.08120 0.040	0.021 0.040	0.534 0.94
DYCT		GUAM	1019	10447.46260 0.040	0.019 0.040	0.478 0.84
DZCT		GUAM	1019	-19918.10550 0.040	0.009 0.040	0.227 0.40
GROUP: 030612.ASC ,obs#: 273						
DXCT		1107	1019	234.64350 0.016	0.018 0.013	1.319 2.02
DYCT		1107	1019	3501.28550 0.016	-0.010 0.013	-0.787 1.19
DZCT		1107	1019	-7977.00390 0.015	-0.006 0.013	-0.447 0.67
GROUP: 030612.ASC ,obs#: 274						
DXCT		1208	108	-4540.89940 0.014	-0.018 0.014	-1.329 2.30
DYCT		1208	108	-4434.72550 0.014	0.024 0.014	1.785 3.07
DZCT		1208	108	-4660.93770 0.014	-0.002 0.014	-0.130 0.22
GROUP: 030612.ASC ,obs#: 275						
DXCT		GUUG	108	1025.64650 0.004	0.004 0.001	2.583 2.17
DYCT		GUUG	108	1232.55710 0.003	-0.004 0.001	-3.203 2.26
DZCT		GUUG	108	385.21080	-0.000	-0.319

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.003	0.001	0.21
GROUP:	030612.ASC	,obs#:	276			
DXCT		1208	1106	-2382.79580	-0.001	-0.125
				0.007	0.004	0.13
DYCT		1208	1106	-3064.98200	0.003	0.621
				0.007	0.004	0.66
DZCT		1208	1106	-616.55730	0.002	0.444
				0.007	0.004	0.46
GROUP:	030612.ASC	,obs#:	277			
DXCT		GUUG	1106	3183.77200	-0.001	-0.083
				0.011	0.009	0.13
DYCT		GUUG	1106	2602.27810	-0.003	-0.312
				0.011	0.009	0.47
DZCT		GUUG	1106	4429.59790	-0.003	-0.380
				0.011	0.009	0.57
GROUP:	030612.ASC	,obs#:	278			
DXCT		1208	1107	-4960.67410	0.021	1.580
				0.015	0.013	2.51
DYCT		1208	1107	-6817.71550	-0.012	-0.907
				0.015	0.013	1.43
DZCT		1208	1107	-176.67060	-0.004	-0.289
				0.015	0.013	0.45
GROUP:	030612.ASC	,obs#:	279			
DXCT		GUUG	1107	605.91920	-0.005	-0.703
				0.010	0.006	0.90
DYCT		GUUG	1107	-1150.47130	-0.002	-0.262
				0.009	0.006	0.32
DZCT		GUUG	1107	4869.47270	0.003	0.469
				0.009	0.006	0.55
GROUP:	030612.ASC	,obs#:	280			
DXCT		GUAM	1107	1453.42350	0.018	0.745
				0.025	0.024	1.28
DYCT		GUAM	1107	6946.18560	0.021	0.875
				0.025	0.024	1.50
DZCT		GUAM	1107	-11941.06210	-0.025	-1.042
				0.025	0.024	1.78
GROUP:	030612.ASC	,obs#:	281			
DXCT		1208	1108	-1710.43020	-0.008	-2.562
				0.006	0.003	2.87
DYCT		1208	1108	-2009.73380	0.009	3.092
				0.005	0.003	3.25
DZCT		1208	1108	-1018.04920	0.001	0.320
				0.005	0.003	0.33
GROUP:	030612.ASC	,obs#:	282			
DXCT		GUUG	1108	3856.11060	0.019	1.665
				0.012	0.011	2.80
DYCT		GUUG	1108	3657.55310	-0.023	-2.082
				0.012	0.011	3.46
DZCT		GUUG	1108	4028.10500	-0.003	-0.304
				0.012	0.011	0.50
GROUP:	030612.ASC	,obs#:	283			
DXCT		GUAM	1108	4703.68070	-0.025	-0.768

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.033	0.032	1.38
DYCT		GUAM	1108	11754.17150	0.038	1.189
				0.032	0.032	2.11
DZCT		GUAM	1108	-12782.46250	0.002	0.059
				0.032	0.032	0.10
GROUP: 030612.ASC ,obs#: 284						
DXCT		108	1108	2830.46540	0.014	1.712
				0.010	0.008	2.64
DYCT		108	1108	2424.99390	-0.017	-2.161
				0.009	0.008	3.30
DZCT		108	1108	3642.89110	0.000	0.012
				0.009	0.008	0.02
GROUP: 030612.ASC ,obs#: 285						
DXCT		GUAM	1208	6414.12290	-0.029	-0.846
				0.034	0.034	1.50
DYCT		GUAM	1208	13763.90120	0.033	0.966
				0.034	0.034	1.71
DZCT		GUAM	1208	-11764.42150	0.009	0.270
				0.034	0.034	0.48
GROUP: 030612.ASC ,obs#: 286						
DXCT		GUUG	1208	5566.55850	0.009	0.548
				0.017	0.017	0.96
DYCT		GUUG	1208	5667.26740	-0.013	-0.771
				0.017	0.017	1.35
DZCT		GUUG	1208	5046.14510	0.005	0.292
				0.017	0.017	0.51
GROUP: 030612.ASC ,obs#: 287						
DXCT		1208	1209	-3911.72700	-0.029	-2.720
				0.013	0.011	4.20
DYCT		1208	1209	-5751.05850	0.010	0.934
				0.013	0.011	1.42
DZCT		1208	1209	797.51150	0.004	0.383
				0.012	0.011	0.58
GROUP: 030612.ASC ,obs#: 288						
DXCT		GUUG	1209	1654.80060	0.011	1.149
				0.011	0.009	1.74
DYCT		GUUG	1209	-83.78080	-0.013	-1.468
				0.011	0.009	2.15
DZCT		GUUG	1209	5843.66050	0.005	0.569
				0.011	0.009	0.82
GROUP: 030612.ASC ,obs#: 289						
DXCT		GUAM	1209	2502.34080	-0.003	-0.125
				0.025	0.024	0.22
DYCT		GUAM	1209	8012.83390	0.052	2.155
				0.025	0.024	3.73
DZCT		GUAM	1209	-10966.85640	-0.040	-1.701
				0.025	0.024	2.92
GROUP: 030612.ASC ,obs#: 290						
DXCT		1005	1209	3035.55470	0.010	1.515
				0.010	0.006	1.93
DYCT		1005	1209	3200.24020	-0.004	-0.622
				0.009	0.006	0.76

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		1005	1209	2508.04510 0.009	-0.000 0.006	-0.080 0.10
GROUP: 030612.ASC ,obs#: 291						
DXCT		1208	1308	-4001.45780 0.012	0.005 0.010	0.502 0.78
DYCT		1208	1308	-5244.81680 0.012	0.007 0.010	0.716 1.10
DZCT		1208	1308	-752.40340 0.012	0.005 0.010	0.511 0.79
GROUP: 030612.ASC ,obs#: 292						
DXCT		GUUG	1308	1565.12240 0.009	-0.007 0.006	-1.232 1.62
DYCT		GUUG	1308	422.44750 0.008	-0.002 0.006	-0.390 0.50
DZCT		GUUG	1308	4293.75500 0.008	-0.003 0.006	-0.550 0.71
GROUP: 030612.ASC ,obs#: 293						
DXCT		GUAM	1308	2412.67730 0.028	-0.036 0.027	-1.322 2.33
DYCT		GUAM	1308	8519.06540 0.027	0.059 0.027	2.207 3.86
DZCT		GUAM	1308	-12516.83900 0.027	0.028 0.027	1.062 1.86
GROUP: 030612.ASC ,obs#: 294						
DXCT		7	1308	807.03990 0.012	0.018 0.010	1.746 2.70
DYCT		7	1308	-1470.23640 0.012	-0.014 0.010	-1.428 2.16
DZCT		7	1308	6338.70860 0.012	-0.005 0.010	-0.461 0.70
GROUP: 030612.ASC ,obs#: 295						
DXCT		1208	1410	-3207.76100 0.010	-0.015 0.008	-1.933 2.79
DYCT		1208	1410	-4529.49810 0.010	0.021 0.008	2.667 3.74
DZCT		1208	1410	204.24980 0.010	-0.001 0.008	-0.178 0.25
GROUP: 030612.ASC ,obs#: 296						
DXCT		GUUG	1410	2358.77120 0.011	0.020 0.009	2.279 3.39
DYCT		GUUG	1410	1137.79700 0.011	-0.020 0.009	-2.304 3.35
DZCT		GUUG	1410	5250.39610 0.010	0.002 0.008	0.265 0.38
GROUP: 030612.ASC ,obs#: 297						
DXCT		GUAM	1410	3206.30370 0.027	0.014 0.027	0.527 0.92
DYCT		GUAM	1410	9234.42700 0.027	0.030 0.026	1.122 1.96
DZCT		GUAM	1410	-11560.15580 0.027	-0.008 0.026	-0.310 0.54
GROUP: 030612.ASC ,obs#: 298						

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		1005	1410	3739.54970 0.012	-0.005 0.009	-0.598 0.87
DYCT		1005	1410	4421.81630 0.011	-0.009 0.009	-1.012 1.44
DZCT		1005	1410	1914.77690 0.011	0.001 0.008	0.069 0.09
GROUP: 030612.ASC ,obs#: 299						
DXCT		1208	1508	-3013.29590 0.009	0.016 0.007	2.469 3.27
DYCT		1208	1508	-3970.87830 0.009	-0.011 0.007	-1.636 2.15
DZCT		1208	1508	-485.30820 0.009	-0.007 0.006	-1.025 1.33
GROUP: 030612.ASC ,obs#: 300						
DXCT		GUUG	1508	2553.31150 0.010	-0.023 0.008	-2.953 4.27
DYCT		GUUG	1508	1696.35580 0.010	0.010 0.008	1.254 1.79
DZCT		GUUG	1508	4560.82190 0.010	0.013 0.008	1.717 2.40
GROUP: 030612.ASC ,obs#: 301						
DXCT		GUAM	1508	3400.85010 0.029	-0.035 0.028	-1.246 2.21
DYCT		GUAM	1508	9792.98200 0.029	0.063 0.028	2.230 3.92
DZCT		GUAM	1508	-12249.73420 0.029	0.007 0.028	0.251 0.44
GROUP: 030612.ASC ,obs#: 302						
DXCT		1208	1509	-201.04050 0.002	-0.001 0.000	-1.598 1.44
DYCT		1208	1509	-89.01690 0.002	0.001 0.000	2.695 1.66
DZCT		1208	1509	-494.08130 0.001	0.000 0.000	0.271 0.10
GROUP: 030612.ASC ,obs#: 303						
DXCT		GUUG	1509	5365.51990 0.017	0.006 0.016	0.394 0.71
DYCT		GUUG	1509	5578.27320 0.016	-0.035 0.016	-2.160 3.85
DZCT		GUUG	1509	4552.05740 0.016	0.011 0.016	0.712 1.25
GROUP: 030612.ASC ,obs#: 304						
DXCT		1208	1609	-3948.44440 0.012	-0.009 0.010	-0.895 1.43
DYCT		1208	1609	-4680.52480 0.012	0.016 0.010	1.502 2.39
DZCT		1208	1609	-2153.64840 0.012	-0.005 0.010	-0.486 0.77
GROUP: 030612.ASC ,obs#: 305						
DXCT		GUUG	1609	1618.10510 0.007	0.009 0.004	2.073 2.54
DYCT		GUUG	1609	986.75270	-0.007	-1.799

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.006	0.004	2.11
DZCT		GUUG	1609	2892.49610	0.000	0.099
				0.006	0.004	0.11
GROUP: 030612.ASC ,obs#: 306						
DXCT		7	1609	860.06730	-0.011	-1.500
				0.009	0.007	2.11
DYCT		7	1609	-905.95480	0.004	0.627
				0.009	0.007	0.88
DZCT		7	1609	4937.44710	0.002	0.229
				0.009	0.007	0.32
GROUP: 030612.ASC ,obs#: 307						
DXCT		1208	1610	18.65100	-0.000	-3.124
				0.001	0.000	10.45
DYCT		1208	1610	24.05430	0.000	0.000*
				0.001	0.000	8.37
DZCT		1208	1610	7.12930	0.000	0.000*
				0.001	0.000	3.24
GROUP: 030612.ASC ,obs#: 308						
DXCT		GUUG	1610	5585.18270	0.036	2.104
				0.017	0.017	3.76
DYCT		GUUG	1610	5691.34950	-0.040	-2.401
				0.017	0.017	4.27
DZCT		GUUG	1610	5053.29530	-0.016	-0.961
				0.017	0.017	1.69
GROUP: 030612.ASC ,obs#: 309						
DXCT		1208	208	-4707.44910	0.016	0.818
				0.021	0.019	1.31
DYCT		1208	208	-2261.77540	-0.007	-0.347
				0.021	0.019	0.56
DZCT		1208	208	-10639.17060	0.005	0.239
				0.021	0.019	0.38
GROUP: 030612.ASC ,obs#: 310						
DXCT		GUUG	208	859.14000	-0.006	-0.776
				0.012	0.008	0.91
DYCT		GUUG	208	3405.47200	0.001	0.089
				0.012	0.008	0.10
DZCT		GUUG	208	-5593.01160	-0.005	-0.594
				0.012	0.008	0.69
GROUP: 030612.ASC ,obs#: 311						
DXCT		GUAM	208	1706.67490	-0.014	-0.325
				0.045	0.044	0.57
DYCT		GUAM	208	11502.12250	0.030	0.673
				0.045	0.044	1.17
DZCT		GUAM	208	-22403.60750	0.029	0.663
				0.045	0.044	1.15
GROUP: 030612.ASC ,obs#: 312						
DXCT		1208	209	-5226.59960	-0.008	-0.557
				0.016	0.015	0.96
DYCT		1208	209	-6184.88500	0.017	1.146
				0.015	0.015	1.97
DZCT		1208	209	-2657.96160	-0.002	-0.144
				0.015	0.014	0.24

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP:	030612.ASC	,obs#:	313			
DXCT		GUUG	209	339.95640 0.006	0.003 0.002	1.369 1.37
DYCT		GUUG	209	-517.60860 0.005	-0.005 0.002	-2.276 2.01
DZCT		GUUG	209	2388.18590 0.005	0.000 0.002	0.187 0.14
GROUP:	030612.ASC	,obs#:	314			
DXCT		1509	209	-5025.55440 0.015	-0.012 0.014	-0.849 1.48
DYCT		1509	209	-6095.87590 0.015	0.024 0.014	1.687 2.89
DZCT		1509	209	-2163.87710 0.015	-0.005 0.014	-0.385 0.65
GROUP:	030612.ASC	,obs#:	315			
DXCT		1208	408	-4708.06880 0.021	-0.001 0.019	-0.029 0.05
DYCT		1208	408	-2263.08670 0.021	0.001 0.019	0.064 0.10
DZCT		1208	408	-10638.58950 0.021	0.003 0.019	0.174 0.28
GROUP:	030612.ASC	,obs#:	316			
DXCT		GUUG	408	858.49580 0.012	0.002 0.008	0.320 0.37
DYCT		GUUG	408	3404.17330 0.012	-0.004 0.008	-0.546 0.62
DZCT		GUUG	408	-5592.43430 0.012	-0.002 0.007	-0.266 0.30
GROUP:	030612.ASC	,obs#:	317			
DXCT		1106	408	-2325.26770 0.018	-0.005 0.015	-0.344 0.51
DYCT		1106	408	801.88500 0.018	0.009 0.015	0.579 0.87
DZCT		1106	408	-10022.03300 0.018	0.002 0.015	0.147 0.22
GROUP:	030612.ASC	,obs#:	318			
DXCT		1208	508	-4284.99720 0.018	0.010 0.016	0.599 0.99
DYCT		1208	508	-2364.11350 0.018	-0.012 0.016	-0.747 1.23
DZCT		1208	508	-8677.88820 0.018	0.007 0.016	0.452 0.73
GROUP:	030612.ASC	,obs#:	319			
DXCT		GUUG	508	1281.57340 0.010	0.007 0.006	1.102 1.35
DYCT		GUUG	508	3303.13210 0.010	-0.003 0.006	-0.523 0.62
DZCT		GUUG	508	-3631.72160 0.009	-0.009 0.006	-1.644 1.85
GROUP:	030612.ASC	,obs#:	320			
DXCT		GUAM	508	2129.14440 0.043	-0.038 0.042	-0.890 1.60

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		GUAM	508	11399.76500 0.043	0.043 0.042	1.034 1.84
DZCT		GUAM	508	-20442.33190 0.042	0.039 0.041	0.937 1.64
GROUP: 030612.ASC ,obs#: 321						
DXCT		1508	508	-1271.68900 0.016	-0.019 0.013	-1.447 2.23
DYCT		1508	508	1606.75300 0.016	0.010 0.013	0.800 1.22
DZCT		1508	508	-8192.58050 0.015	0.014 0.013	1.153 1.71
GROUP: 030612.ASC ,obs#: 322						
DXCT		1208	7	-4808.50730 0.017	-0.003 0.016	-0.184 0.31
DYCT		1208	7	-3774.57440 0.017	0.015 0.016	0.970 1.65
DZCT		1208	7	-7091.09770 0.017	-0.004 0.016	-0.279 0.48
GROUP: 030612.ASC ,obs#: 323						
DXCT		GUUG	7	758.05640 0.006	0.001 0.003	0.284 0.32
DYCT		GUUG	7	1892.69970 0.005	-0.004 0.003	-1.273 1.37
DZCT		GUUG	7	-2044.95160 0.005	-0.001 0.003	-0.207 0.22
GROUP: 030612.ASC ,obs#: 324						
DXCT		GUAM	7	1605.61540 0.038	-0.031 0.038	-0.833 1.47
DYCT		GUAM	7	9989.31820 0.038	0.057 0.038	1.508 2.66
DZCT		GUAM	7	-18855.55540 0.038	0.041 0.038	1.084 1.91
GROUP: 030612.ASC ,obs#: 325						
DXCT		1208	905	-1698.70910 0.005	0.003 0.002	1.095 0.91
DYCT		1208	905	-2228.10890 0.005	-0.001 0.002	-0.567 0.46
DZCT		1208	905	-455.45660 0.005	0.002 0.002	0.706 0.57
GROUP: 030612.ASC ,obs#: 326						
DXCT		GUUG	905	3867.86980 0.012	-0.009 0.011	-0.768 1.26
DYCT		GUUG	905	3439.14320 0.012	0.001 0.011	0.111 0.18
DZCT		GUUG	905	4590.70450 0.012	-0.010 0.011	-0.847 1.38
GROUP: 030612.ASC ,obs#: 327						
DXCT		GUAM	905	4715.40870 0.031	-0.021 0.031	-0.683 1.21
DYCT		GUAM	905	11535.79110 0.031	0.033 0.031	1.065 1.87
DZCT		GUAM	905	-12219.87520	0.008	0.257

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.031	0.031	0.45
GROUP:	030612.ASC	,obs#:	328			
DXCT		208	905	3008.73240	-0.005	-0.328
				0.019	0.016	0.50
DYCT		208	905	33.67020	0.002	0.097
				0.019	0.016	0.15
DZCT		208	905	10183.71400	-0.003	-0.180
				0.019	0.016	0.28
GROUP:	030712.ASC	,obs#:	329			
DXCT		GUUG	1006	1589.86870	-0.018	-1.414
				0.015	0.013	2.16
DYCT		GUUG	1006	-1274.05320	-0.004	-0.302
				0.015	0.013	0.46
DZCT		GUUG	1006	8165.03950	-0.004	-0.278
				0.015	0.013	0.42
GROUP:	030712.ASC	,obs#:	330			
DXCT		1208	1006	-3976.72340	0.006	0.476
				0.016	0.013	0.74
DYCT		1208	1006	-6941.29200	-0.020	-1.495
				0.015	0.013	2.30
DZCT		1208	1006	3118.88020	0.006	0.447
				0.015	0.013	0.68
GROUP:	030712.ASC	,obs#:	331			
DXCT		GUAM	1006	2437.36620	0.011	0.587
				0.020	0.019	0.96
DYCT		GUAM	1006	6822.53900	0.083	4.509
				0.020	0.018	7.38
				^^^^^^^^^^^^^^^^^^^^		
DZCT		GUAM	1006	-8645.52220	-0.004	-0.222
				0.020	0.018	0.36
GROUP:	030712.ASC	,obs#:	332			
DXCT		GUUG	1020	2771.99690	-0.016	-1.991
				0.011	0.008	2.79
DYCT		GUUG	1020	4782.56420	-0.002	-0.194
				0.011	0.008	0.27
DZCT		GUUG	1020	-2007.85700	-0.000	-0.050
				0.010	0.008	0.07
GROUP:	030712.ASC	,obs#:	333			
DXCT		1208	1020	-2794.59250	0.005	0.460
				0.014	0.012	0.71
DYCT		1208	1020	-884.69740	0.005	0.452
				0.014	0.012	0.70
DZCT		1208	1020	-7054.00910	0.002	0.151
				0.014	0.012	0.23
GROUP:	030712.ASC	,obs#:	334			
DXCT		1310	1020	-4023.58120	0.001	0.075
				0.015	0.012	0.11
DYCT		1310	1020	-2867.70990	0.008	0.668
				0.015	0.012	1.02
DZCT		1310	1020	-6426.95110	-0.002	-0.126
				0.014	0.012	0.19
GROUP:	030712.ASC	,obs#:	335			

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		1510	1020	-4251.30600 0.019	0.043 0.017	2.513 5.36
DYCT		1510	1020	-3442.27440 0.017	-0.025 0.015	-1.640 3.15
DZCT		1510	1020	-5812.55390 0.015	-0.004 0.013	-0.313 0.50
GROUP: 030712.ASC ,obs#: 336						
DXCT		GUUG	109	2405.38940 0.007	-0.007 0.005	-1.326 1.68
DYCT		GUUG	109	2877.04110 0.007	0.004 0.005	0.740 0.92
DZCT		GUUG	109	1131.79240 0.007	-0.004 0.005	-0.882 1.07
GROUP: 030712.ASC ,obs#: 337						
DXCT		1208	109	-3161.18660 0.010	0.002 0.009	0.208 0.32
DYCT		1208	109	-2790.20730 0.010	-0.003 0.009	-0.303 0.46
DZCT		1208	109	-3914.37090 0.010	0.009 0.009	1.046 1.60
GROUP: 030712.ASC ,obs#: 338						
DXCT		GUUG	110	3275.28470 0.015	0.007 0.013	0.557 0.88
DYCT		GUUG	110	1416.25640 0.015	0.021 0.013	1.563 2.45
DZCT		GUUG	110	7587.45320 0.015	0.013 0.013	0.975 1.52
GROUP: 030712.ASC ,obs#: 339						
DXCT		1208	110	-2291.27470 0.010	-0.001 0.007	-0.105 0.14
DYCT		1208	110	-4250.97220 0.010	-0.006 0.007	-0.795 1.01
DZCT		1208	110	2541.31820 0.010	-0.002 0.007	-0.325 0.40
GROUP: 030712.ASC ,obs#: 340						
DXCT		GUUG	1109	6165.88150 0.018	0.003 0.018	0.175 0.31
DYCT		GUUG	1109	6829.25750 0.018	0.000 0.018	0.016 0.03
DZCT		GUUG	1109	4257.92970 0.018	-0.003 0.018	-0.190 0.33
GROUP: 030712.ASC ,obs#: 341						
DXCT		1208	1109	599.31620 0.003	0.001 0.001	1.043 0.55
DYCT		1208	1109	1162.00350 0.003	-0.000 0.001	-0.496 0.25
DZCT		1208	1109	-788.22360 0.003	0.000 0.001	0.047 0.02
GROUP: 030712.ASC ,obs#: 342						
DXCT		109	1109	3760.51500 0.011	-0.013 0.010	-1.357 2.10
DYCT		109	1109	3952.20820	0.005	0.505

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.011	0.010	0.78
DZCT		109	1109	3126.13800	0.000	0.015
				0.011	0.010	0.02
GROUP:	030712.ASC	,obs#:	343			
DXCT		GUUG	1110	6668.32770	0.015	0.787
				0.020	0.019	1.37
DYCT		GUUG	1110	8283.86790	0.018	0.928
				0.020	0.019	1.59
DZCT		GUUG	1110	2845.37530	-0.002	-0.108
				0.020	0.019	0.18
GROUP:	030712.ASC	,obs#:	344			
DXCT		1208	1110	1101.77800	-0.003	-0.717
				0.007	0.004	0.76
DYCT		1208	1110	2616.63410	-0.003	-0.908
				0.007	0.004	0.93
DZCT		1208	1110	-2200.77640	-0.000	-0.069
				0.006	0.004	0.07
GROUP:	030712.ASC	,obs#:	345			
DXCT		309	1110	2818.09440	0.003	0.314
				0.010	0.008	0.46
DYCT		309	1110	4644.73850	0.003	0.435
				0.010	0.008	0.63
DZCT		309	1110	-1208.03740	0.001	0.144
				0.010	0.008	0.20
GROUP:	030712.ASC	,obs#:	346			
DXCT		GUAM	1208	6414.10910	-0.015	-0.440
				0.034	0.034	0.78
DYCT		GUAM	1208	13763.89630	0.038	1.111
				0.034	0.034	1.96
DZCT		GUAM	1208	-11764.41950	0.007	0.211
				0.034	0.034	0.37
GROUP:	030712.ASC	,obs#:	347			
DXCT		GUUG	1208	5566.57740	-0.010	-0.595
				0.017	0.017	1.05
DYCT		GUUG	1208	5667.24760	0.007	0.428
				0.017	0.017	0.75
DZCT		GUUG	1208	5046.15150	-0.002	-0.096
				0.017	0.017	0.17
GROUP:	030712.ASC	,obs#:	348			
DXCT		GUUG	1210	7585.78980	0.011	0.513
				0.023	0.022	0.90
DYCT		GUUG	1210	9258.71070	-0.001	-0.057
				0.022	0.021	0.10
DZCT		GUUG	1210	3235.84770	0.001	0.053
				0.023	0.021	0.09
GROUP:	030712.ASC	,obs#:	349			
DXCT		1208	1210	2019.23460	-0.001	-0.247
				0.009	0.005	0.27
DYCT		1208	1210	3591.45030	0.005	0.977
				0.008	0.005	1.00
DZCT		1208	1210	-1810.29990	-0.001	-0.253
				0.008	0.005	0.26

Residuals (critical value = 4.241):

TYPE AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: 030712.ASC	,obs#:	350			
DXCT	GUAM	1210	8433.33150 0.042	-0.004 0.041	-0.095 0.17
DYCT	GUAM	1210	17355.36020 0.042	0.029 0.041	0.694 1.21
DZCT	GUAM	1210	-13574.72550 0.042	0.012 0.041	0.293 0.51
GROUP: 030712.ASC	,obs#:	351			
DXCT	GUUG	1309	6032.69020 0.018	-0.010 0.018	-0.587 1.04
DYCT	GUUG	1309	6509.08250 0.018	0.012 0.018	0.658 1.16
DZCT	GUUG	1309	4570.07500 0.018	-0.024 0.018	-1.345 2.36
GROUP: 030712.ASC	,obs#:	352			
DXCT	1208	1309	466.11200 0.003	0.000 0.001	0.443 0.23
DYCT	1208	1309	841.83950 0.002	-0.000 0.001	-0.127 0.06
DZCT	1208	1309	-476.09910 0.002	0.001 0.000	1.395 0.55
GROUP: 030712.ASC	,obs#:	353			
DXCT	409	1309	4045.57580 0.013	-0.002 0.012	-0.193 0.33
DYCT	409	1309	4069.85370 0.013	-0.004 0.012	-0.369 0.61
DZCT	409	1309	3849.98850 0.013	-0.009 0.011	-0.827 1.36
GROUP: 030712.ASC	,obs#:	354			
DXCT	GUUG	1310	6795.56170 0.020	-0.001 0.019	-0.047 0.08
DYCT	GUUG	1310	7650.28090 0.020	-0.017 0.019	-0.862 1.50
DZCT	GUUG	1310	4419.09860 0.020	-0.003 0.019	-0.173 0.30
GROUP: 030712.ASC	,obs#:	355			
DXCT	1208	1310	1228.99320 0.005	0.000 0.002	0.017 0.01
DYCT	1208	1310	1983.00790 0.005	0.002 0.002	1.091 0.68
DZCT	1208	1310	-627.05470 0.004	0.000 0.001	0.033 0.02
GROUP: 030712.ASC	,obs#:	356			
DXCT	GUUG	1311	5752.14640 0.018	0.002 0.017	0.129 0.23
DYCT	GUUG	1311	6988.76650 0.017	0.032 0.017	1.882 3.29
DZCT	GUUG	1311	3158.16990 0.017	0.019 0.017	1.130 1.95
GROUP: 030712.ASC	,obs#:	357			
DXCT	1208	1311	185.58110 0.005	-0.000 0.002	-0.033 0.03

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		1208	1311	1321.54640 0.005	-0.003 0.002	-1.760 1.29
DZCT		1208	1311	-1887.95940 0.004	-0.002 0.001	-1.302 0.84
GROUP: 030712.ASC ,obs#: 358						
DXCT		110	1311	2476.85240 0.014	0.004 0.012	0.348 0.54
DYCT		110	1311	5572.51440 0.014	0.007 0.011	0.587 0.89
DZCT		110	1311	-4429.28370 0.014	0.006 0.011	0.569 0.84
GROUP: 030712.ASC ,obs#: 359						
DXCT		GUUG	1312	5115.80350 0.016	-0.020 0.015	-1.329 2.31
DYCT		GUUG	1312	6119.32120 0.015	0.004 0.015	0.241 0.42
DZCT		GUUG	1312	3200.57780 0.015	-0.002 0.015	-0.138 0.24
GROUP: 030712.ASC ,obs#: 360						
DXCT		1208	1312	-450.78550 0.004	0.002 0.001	1.178 0.83
DYCT		1208	1312	452.07090 0.004	-0.001 0.001	-0.656 0.41
DZCT		1208	1312	-1845.57450 0.004	0.000 0.001	0.313 0.18
GROUP: 030712.ASC ,obs#: 361						
DXCT		8	1312	2761.39950 0.015	-0.003 0.013	-0.223 0.36
DYCT		8	1312	6004.63920 0.014	0.006 0.012	0.496 0.77
DZCT		8	1312	-4235.68350 0.014	-0.005 0.012	-0.451 0.69
GROUP: 030712.ASC ,obs#: 362						
DXCT		GUUG	1510	7023.27530 0.021	-0.032 0.020	-1.586 2.75
DYCT		GUUG	1510	8224.84610 0.021	0.016 0.020	0.811 1.40
DZCT		GUUG	1510	3804.69250 0.020	0.008 0.020	0.405 0.70
GROUP: 030712.ASC ,obs#: 363						
DXCT		1208	1510	1456.66500 0.006	0.011 0.003	3.602 3.50
DYCT		1208	1510	2557.61300 0.006	-0.006 0.003	-1.848 1.73
DZCT		1208	1510	-1241.44750 0.006	-0.002 0.003	-0.674 0.61
GROUP: 030712.ASC ,obs#: 364						
DXCT		GUUG	210	3077.54420 0.011	-0.028 0.008	-3.394 4.67
DYCT		GUUG	210	4960.91140 0.011	0.013 0.008	1.656 2.24
DZCT		GUUG	210	-1225.58350 0.009	0.009	1.161

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.011	0.008	1.55
GROUP:	030712.ASC	,obs#:	365			
DXCT		1208	210	-2489.07100	0.020	1.977
				0.012	0.010	2.92
DYCT		1208	210	-706.31950	-0.010	-1.048
				0.012	0.010	1.53
DZCT		1208	210	-6271.71710	-0.007	-0.717
				0.012	0.010	1.04
GROUP:	030712.ASC	,obs#:	366			
DXCT		1510	210	-3945.74510	0.018	1.692
				0.013	0.010	2.47
DYCT		1510	210	-3263.92990	-0.007	-0.722
				0.013	0.010	1.04
DZCT		1510	210	-5030.26930	-0.005	-0.529
				0.013	0.010	0.75
GROUP:	030712.ASC	,obs#:	367			
DXCT		GUUG	309	3850.22960	0.016	1.438
				0.012	0.011	2.44
DYCT		GUUG	309	3639.13090	0.013	1.133
				0.012	0.011	1.88
DZCT		GUUG	309	4053.41110	-0.002	-0.143
				0.012	0.011	0.24
GROUP:	030712.ASC	,obs#:	368			
DXCT		1208	309	-1716.31930	-0.002	-0.833
				0.005	0.003	0.85
DYCT		1208	309	-2028.10990	-0.001	-0.480
				0.005	0.003	0.47
DZCT		1208	309	-992.74100	0.001	0.232
				0.005	0.003	0.22
GROUP:	030712.ASC	,obs#:	369			
DXCT		GUUG	409	1987.10470	0.002	0.354
				0.007	0.004	0.49
DYCT		GUUG	409	2439.24490	-0.000	-0.060
				0.007	0.004	0.08
DZCT		GUUG	409	720.07790	-0.006	-1.587
				0.006	0.004	1.73
GROUP:	030712.ASC	,obs#:	370			
DXCT		1208	409	-3579.45600	-0.005	-0.507
				0.012	0.010	0.82
DYCT		1208	409	-3228.00510	-0.005	-0.475
				0.012	0.010	0.76
DZCT		1208	409	-4326.08940	0.012	1.137
				0.012	0.010	1.82
GROUP:	030712.ASC	,obs#:	371			
DXCT		GUUG	509	2919.44260	-0.003	-0.419
				0.010	0.007	0.57
DYCT		GUUG	509	4565.01370	-0.011	-1.508
				0.010	0.007	1.96
DZCT		GUUG	509	-867.18050	0.004	0.578
				0.010	0.007	0.77
GROUP:	030712.ASC	,obs#:	372			
DXCT		1208	509	-2647.13190	0.004	0.387

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.012	0.010	0.58
DYCT		1208	509	-1102.25600	0.004	0.444
				0.012	0.010	0.65
DZCT		1208	509	-5913.32150	-0.005	-0.486
				0.012	0.010	0.72
GROUP: 030712.ASC ,obs#: 373						
DXCT		1210	509	-4666.36210	0.001	0.052
				0.015	0.012	0.08
DYCT		1210	509	-4693.72250	0.016	1.402
				0.014	0.011	2.05
DZCT		1210	509	-4103.02370	-0.001	-0.123
				0.015	0.012	0.18
GROUP: 030712.ASC ,obs#: 374						
DXCT		GUUG	8	2354.38630	0.001	0.057
				0.014	0.012	0.09
DYCT		GUUG	8	114.66720	0.012	1.039
				0.014	0.012	1.58
DZCT		GUUG	8	7436.27220	-0.007	-0.634
				0.014	0.012	0.96
GROUP: 030712.ASC ,obs#: 375						
DXCT		1208	8	-3212.18830	0.008	0.765
				0.012	0.010	1.13
DYCT		1208	8	-5552.56700	-0.008	-0.817
				0.012	0.010	1.19
DZCT		1208	8	2390.11400	0.001	0.079
				0.012	0.010	0.11
GROUP: 030712.ASC ,obs#: 376						
DXCT		GUUG	916	5911.48190	-0.007	-0.407
				0.018	0.018	0.72
DYCT		GUUG	916	7321.84870	0.020	1.172
				0.018	0.017	2.04
DZCT		GUUG	916	2906.53130	-0.011	-0.640
				0.018	0.017	1.10
GROUP: 030712.ASC ,obs#: 377						
DXCT		1208	916	344.90840	-0.001	-0.630
				0.005	0.002	0.44
DYCT		1208	916	1654.61510	-0.001	-0.559
				0.005	0.002	0.37
DZCT		1208	916	-2139.63050	0.001	0.580
				0.005	0.002	0.38
GROUP: 030712.ASC ,obs#: 378						
DXCT		8	916	3557.06680	0.021	1.332
				0.018	0.016	2.27
DYCT		8	916	7207.19580	-0.007	-0.440
				0.017	0.015	0.71
DZCT		8	916	-4529.74170	-0.003	-0.173
				0.017	0.015	0.28
GROUP: 030712.ASC ,obs#: 379						
DXCT		GUUG	917	4241.23150	-0.013	-1.073
				0.013	0.013	1.85
DYCT		GUUG	917	4265.97890	0.010	0.789
				0.013	0.012	1.35

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		GUUG	917	4092.81290 0.013	-0.013 0.012	-1.053 1.78
GROUP: 030712.ASC ,obs#: 380						
DXCT		1208	917	-1325.35200 0.005	0.002 0.002	1.388 1.16
DYCT		1208	917	-1401.26280 0.004	-0.003 0.002	-1.953 1.48
DZCT		1208	917	-953.35090 0.004	0.001 0.001	0.689 0.45
GROUP: 030712.ASC ,obs#: 381						
DXCT		1006	917	2651.37290 0.013	-0.005 0.011	-0.503 0.72
DYCT		1006	917	5540.02700 0.013	0.019 0.010	1.787 2.54
DZCT		1006	917	-4072.23600 0.013	0.000 0.010	0.001 0.00
GROUP: 030812.ASC ,obs#: 382						
DXCT		GUUG	10	-404.81990 0.026	-0.042 0.020	-2.087 2.85
DYCT		GUUG	10	-6012.06040 0.026	0.020 0.020	0.998 1.35
DZCT		GUUG	10	13246.65780 0.026	0.021 0.020	1.097 1.47
GROUP: 030812.ASC ,obs#: 383						
DXCT		1208	10	-5971.45370 0.028	0.025 0.022	1.132 1.60
DYCT		1208	10	-11679.27630 0.028	-0.019 0.022	-0.882 1.24
DZCT		1208	10	8200.54400 0.027	-0.015 0.022	-0.678 0.95
GROUP: 030812.ASC ,obs#: 384						
DXCT		GUUG	111	1013.73700 0.018	-0.015 0.013	-1.187 1.56
DYCT		GUUG	111	-2481.84240 0.017	0.010 0.013	0.745 0.97
DZCT		GUUG	111	9421.51860 0.017	0.017 0.013	1.360 1.78
GROUP: 030812.ASC ,obs#: 385						
DXCT		1208	111	-4552.85100 0.018	0.005 0.014	0.365 0.50
DYCT		1208	111	-8149.07670 0.018	-0.011 0.014	-0.774 1.05
DZCT		1208	111	4375.39040 0.018	-0.004 0.014	-0.309 0.42
GROUP: 030812.ASC ,obs#: 386						
DXCT		GUUG	1111	5066.87680 0.016	0.053 0.015	3.421 6.15
DYCT		GUUG	1111	5052.97360 0.016	-0.002 0.015	-0.106 0.19
DZCT		GUUG	1111	4790.84270 0.015	0.003 0.015	0.194 0.34
GROUP: 030812.ASC ,obs#: 387						

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		1208	1111	-499.63670 0.002	-0.001 0.000	-3.255 1.35
DYCT		1208	1111	-614.28300 0.002	0.000 0.000	1.277 0.38
DZCT		1208	1111	-255.30440 0.002	0.000 0.000	0.652 0.14
GROUP: 030812.ASC ,obs#: 388						
DXCT		GUAM	1208	6414.07360 0.034	0.021 0.034	0.605 1.07
DYCT		GUAM	1208	13763.91600 0.034	0.018 0.034	0.530 0.94
DZCT		GUAM	1208	-11764.40630 0.034	-0.006 0.034	-0.178 0.31
GROUP: 030812.ASC ,obs#: 389						
DXCT		GUUG	1208	5566.57660 0.017	-0.009 0.017	-0.546 0.96
DYCT		GUUG	1208	5667.23870 0.017	0.016 0.017	0.966 1.70
DZCT		GUUG	1208	5046.13590 0.017	0.014 0.017	0.848 1.49
GROUP: 030812.ASC ,obs#: 390						
DXCT		GUUG	1211	8924.05240 0.026	0.015 0.024	0.622 1.01
DYCT		GUUG	1211	11424.51780 0.026	-0.008 0.024	-0.324 0.52
DZCT		GUUG	1211	2562.43070 0.026	0.006 0.024	0.250 0.40
GROUP: 030812.ASC ,obs#: 391						
DXCT		1208	1211	3357.50640 0.013	-0.007 0.006	-1.070 0.94
DYCT		1208	1211	5757.25190 0.013	0.004 0.006	0.575 0.50
DZCT		1208	1211	-2483.71070 0.013	-0.003 0.006	-0.425 0.37
GROUP: 030812.ASC ,obs#: 392						
DXCT		GUAM	1511	7309.80600 0.038	-0.006 0.038	-0.163 0.29
DYCT		GUAM	1511	15328.84430 0.038	0.030 0.037	0.812 1.44
DZCT		GUAM	1511	-12520.80390 0.038	-0.016 0.037	-0.434 0.77
GROUP: 030812.ASC ,obs#: 393						
DXCT		1208	1511	895.70560 0.004	0.000 0.000	0.251 0.05
DYCT		1208	1511	1564.94100 0.004	-0.000 0.000	-0.796 0.16
DZCT		1208	1511	-756.40790 0.004	0.000 0.000	0.363 0.07
GROUP: 030812.ASC ,obs#: 394						
DXCT		GUUG	1512	8323.99570 0.025	-0.068 0.023	-3.012 5.00
DYCT		GUUG	1512	10268.75230	0.066	2.943

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.024	0.022	4.84
DZCT		GUUG	1512	3315.17860	0.036	1.602
				0.024	0.022	2.63
GROUP:	030812.ASC	,obs#:	395			
DXCT		1208	1512	2757.34460	0.015	3.411
				0.010	0.005	2.73
DYCT		1208	1512	4601.57590	-0.012	-2.781
				0.010	0.004	2.17
DZCT		1208	1512	-1730.92770	-0.008	-1.773
				0.010	0.004	1.37
GROUP:	030812.ASC	,obs#:	396			
DXCT		10	1512	8728.82820	-0.039	-1.202
				0.038	0.033	1.87
DYCT		10	1512	16280.85450	0.005	0.142
				0.037	0.032	0.22
DZCT		10	1512	-9931.48190	0.017	0.529
				0.037	0.032	0.82
GROUP:	030812.ASC	,obs#:	397			
DXCT		GUUG	1513	7549.63610	0.006	0.282
				0.023	0.021	0.44
DYCT		GUUG	1513	10644.37540	0.003	0.138
				0.023	0.020	0.22
DZCT		GUUG	1513	-205.65910	0.005	0.222
				0.023	0.020	0.35
GROUP:	030812.ASC	,obs#:	398			
DXCT		1208	1513	1983.07000	0.004	0.561
				0.013	0.008	0.58
DYCT		1208	1513	4977.12430	-0.001	-0.099
				0.013	0.008	0.10
DZCT		1208	1513	-5251.79510	-0.009	-1.232
				0.013	0.008	1.25
GROUP:	030812.ASC	,obs#:	399			
DXCT		111	1513	6535.95510	-0.035	-1.251
				0.032	0.028	1.99
DYCT		111	1513	13126.21160	-0.001	-0.019
				0.031	0.028	0.03
DZCT		111	1513	-9627.23440	0.044	1.590
				0.031	0.028	2.50
GROUP:	030812.ASC	,obs#:	400			
DXCT		GUUG	310	-928.01070	-0.014	-0.962
				0.022	0.014	1.15
DYCT		GUUG	310	-5607.64640	0.009	0.647
				0.021	0.014	0.75
DZCT		GUUG	310	10470.47260	0.009	0.643
				0.021	0.014	0.74
GROUP:	030812.ASC	,obs#:	401			
DXCT		1208	310	-6494.61030	0.018	0.954
				0.025	0.019	1.30
DYCT		1208	310	-11274.87990	-0.012	-0.635
				0.025	0.019	0.87
DZCT		1208	310	5424.34360	-0.012	-0.637
				0.025	0.019	0.86

Residuals (critical value = 4.241):

TYPE AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: 030812.ASC	,obs#:	402			
DXCT	GUUG	311	-3133.14650 0.024	0.024 0.017	1.442 1.78
DYCT	GUUG	311	-8548.36780 0.024	-0.018 0.017	-1.093 1.34
DZCT	GUUG	311	10047.38840 0.024	0.004 0.017	0.248 0.30
GROUP: 030812.ASC	,obs#:	403			
DXCT	1208	311	-8699.66890 0.031	-0.021 0.026	-0.824 1.21
DYCT	1208	311	-14215.66040 0.031	0.020 0.025	0.778 1.14
DZCT	1208	311	5001.24180 0.031	0.001 0.025	0.031 0.04
GROUP: 030812.ASC	,obs#:	404			
DXCT	1211	311	-12057.15370 0.044	-0.036 0.039	-0.927 1.47
DYCT	1211	311	-19972.91540 0.043	0.019 0.039	0.500 0.79
DZCT	1211	311	7484.97100 0.043	-0.015 0.039	-0.391 0.62
GROUP: 030812.ASC	,obs#:	405			
DXCT	GUAM	410	2522.08040 0.019	0.031 0.015	1.985 3.09
DYCT	GUAM	410	6351.07250 0.018	0.020 0.015	1.369 2.07
DZCT	GUAM	410	-7154.83110 0.018	-0.000 0.014	-0.003 0.00
GROUP: 030812.ASC	,obs#:	406			
DXCT	GUUG	410	1674.59880 0.019	-0.014 0.015	-0.934 1.45
DYCT	GUUG	410	-1745.58480 0.018	-0.002 0.015	-0.107 0.16
DZCT	GUUG	410	9655.73630 0.018	-0.005 0.015	-0.356 0.52
GROUP: 030812.ASC	,obs#:	407			
DXCT	1208	410	-3891.96800 0.018	-0.015 0.015	-1.031 1.59
DYCT	1208	410	-7412.82340 0.018	-0.018 0.014	-1.244 1.85
DZCT	1208	410	4609.57640 0.017	0.005 0.014	0.350 0.50
GROUP: 030812.ASC	,obs#:	408			
DXCT	GUUG	510	1026.82630 0.019	0.027 0.013	2.066 2.71
DYCT	GUUG	510	-2514.63970 0.018	-0.002 0.012	-0.193 0.24
DZCT	GUUG	510	9558.73940 0.018	0.000 0.012	0.031 0.04
GROUP: 030812.ASC	,obs#:	409			
DXCT	1208	510	-4539.68630 0.019	-0.028 0.014	-2.066 2.70

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		1208	510	-8181.89880 0.019	0.002 0.013	0.153 0.20
DZCT		1208	510	4512.59070 0.019	-0.001 0.013	-0.063 0.08
GROUP: 030812.ASC ,obs#: 410						
DXCT		GUAM	9	-188.08090 0.020	0.014 0.016	0.923 1.42
DYCT		GUAM	9	3601.38880 0.019	0.013 0.014	0.919 1.29
DZCT		GUAM	9	-9513.70410 0.019	0.015 0.015	1.001 1.46
GROUP: 030812.ASC ,obs#: 411						
DXCT		GUUG	9	-1035.58300 0.016	-0.010 0.010	-0.991 1.16
DYCT		GUUG	9	-4495.26770 0.016	-0.010 0.010	-0.943 1.13
DZCT		GUUG	9	7296.88390 0.016	-0.011 0.010	-1.081 1.27
GROUP: 030812.ASC ,obs#: 412						
DXCT		GUUG	906	10130.24810 0.030	-0.006 0.027	-0.244 0.39
DYCT		GUUG	906	12811.66280 0.030	-0.007 0.026	-0.278 0.44
DZCT		GUUG	906	3321.04660 0.030	0.008 0.026	0.304 0.48
GROUP: 030812.ASC ,obs#: 413						
DXCT		1208	906	4563.67230 0.016	0.002 0.007	0.243 0.20
DYCT		1208	906	7144.39880 0.016	0.002 0.007	0.277 0.23
DZCT		1208	906	-1725.09320 0.015	-0.002 0.007	-0.304 0.25
GROUP: HIGH_STD.ASC ,obs#: 416						
DXCT		1201	1012	-7621.51220 0.033	-0.002 0.022	-0.095 0.12
DYCT		1201	1012	-4132.85160 0.033	0.007 0.022	0.305 0.37
DZCT		1201	1012	-16163.12100 0.033	-0.002 0.022	-0.106 0.13
GROUP: HIGH_STD.ASC ,obs#: 417						
DXCT		GUUG	1012	134.06470 0.034	0.002 0.025	0.097 0.13
DYCT		GUUG	1012	7198.00200 0.034	-0.007 0.024	-0.306 0.39
DZCT		GUUG	1012	-17364.10100 0.034	0.002 0.024	0.101 0.13
GROUP: HIGH_STD.ASC ,obs#: 418						
DXCT		1201	1013	-2777.63460 0.032	0.015 0.025	0.597 0.88
DYCT		1201	1013	2970.93690 0.031	-0.014 0.025	-0.552 0.79
DZCT		1201	1013	-16791.42600	-0.019	-0.727

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.032	0.026	1.09
GROUP:	HIGH_STD.ASC, obs#:		419			
DXCT		GUUG	1013	4977.95680 0.043	0.005 0.038	0.136 0.22
DYCT		GUUG	1013	14301.75210 0.042	0.010 0.038	0.279 0.45
DZCT		GUUG	1013	-17992.41910 0.042	-0.001 0.037	-0.023 0.04
GROUP:	HIGH_STD.ASC, obs#:		420			
DXCT		1201	103	-6411.03880 0.020	0.007 0.011	0.664 0.62
DYCT		1201	103	-6024.81530 0.020	0.004 0.010	0.374 0.35
DZCT		1201	103	-6984.66970 0.020	-0.004 0.010	-0.404 0.38
GROUP:	HIGH_STD.ASC, obs#:		423			
DXCT		1201	1202	-7483.44020 0.024	-0.016 0.019	-0.812 1.16
DYCT		1201	1202	-6838.07600 0.024	0.011 0.019	0.562 0.80
DZCT		1201	1202	-8904.51300 0.024	0.010 0.019	0.538 0.77
GROUP:	HIGH_STD.ASC, obs#:		424			
DXCT		GUUG	1202	272.12160 0.020	0.004 0.014	0.279 0.36
DYCT		GUUG	1202	4492.77880 0.020	-0.005 0.014	-0.332 0.42
DZCT		GUUG	1202	-10105.47790 0.020	0.000 0.014	0.004 0.01
GROUP:	HIGH_STD.ASC, obs#:		425			
DXCT		1013	1202	-4705.84670 0.024	0.010 0.015	0.669 0.76
DYCT		1013	1202	-9808.98410 0.024	-0.004 0.015	-0.282 0.32
DZCT		1013	1202	7886.95260 0.024	-0.010 0.015	-0.698 0.78
GROUP:	HIGH_STD.ASC, obs#:		426			
DXCT		1201	1203	-1696.40550 0.026	-0.015 0.017	-0.891 1.09
DYCT		1201	1203	3291.01590 0.025	-0.008 0.017	-0.448 0.54
DZCT		1201	1203	-13665.10280 0.025	0.012 0.017	0.717 0.86
GROUP:	HIGH_STD.ASC, obs#:		427			
DXCT		103	1203	4714.60230 0.022	0.009 0.013	0.661 0.70
DYCT		103	1203	9315.81490 0.022	0.005 0.013	0.364 0.38
DZCT		103	1203	-6680.41150 0.022	-0.005 0.013	-0.405 0.42
GROUP:	HIGH_STD.ASC, obs#:		428			
DXCT		GUAM	1203	6906.65330	0.034	0.487

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.072	0.069	0.85
DYCT		GUAM	1203	22718.51600	0.011	0.159
				0.072	0.069	0.28
DZCT		GUAM	1203	-31676.58460	-0.043	-0.639
				0.071	0.068	1.10
GROUP: HIGH_STD.ASC, obs#: 429						
DXCT		GUUG	1301	-139.78530	0.008	0.370
				0.029	0.020	0.51
DYCT		GUUG	1301	5530.56450	0.000	0.009
				0.028	0.019	0.01
DZCT		GUUG	1301	-13841.50490	0.004	0.212
				0.028	0.019	0.27
GROUP: HIGH_STD.ASC, obs#: 430						
DXCT		1201	1301	-7895.35120	-0.008	-0.388
				0.029	0.021	0.50
DYCT		1201	1301	-5800.27410	-0.001	-0.030
				0.029	0.020	0.04
DZCT		1201	1301	-12640.52080	-0.005	-0.237
				0.029	0.020	0.30
GROUP: HIGH_STD.ASC, obs#: 431						
DXCT		1201	1302	-7821.76030	-0.013	-0.651
				0.028	0.020	0.87
DYCT		1201	1302	-6237.43920	0.014	0.687
				0.027	0.020	0.91
DZCT		1201	1302	-11305.16840	0.007	0.373
				0.027	0.020	0.49
GROUP: HIGH_STD.ASC, obs#: 432						
DXCT		GUUG	1302	-66.20290	0.011	0.661
				0.025	0.017	0.81
DYCT		GUUG	1302	5093.42500	-0.011	-0.693
				0.024	0.016	0.83
DZCT		GUUG	1302	-12506.13000	-0.006	-0.384
				0.024	0.016	0.46
GROUP: HIGH_STD.ASC, obs#: 433						
DXCT		1201	1401	-7631.27650	0.038	1.799
				0.030	0.021	2.26
DYCT		1201	1401	-4993.76960	-0.016	-0.741
				0.030	0.021	0.94
DZCT		1201	1401	-13888.85670	0.003	0.130
				0.030	0.021	0.17
GROUP: HIGH_STD.ASC, obs#: 434						
DXCT		GUAM	1401	971.87680	-0.008	-0.132
				0.062	0.059	0.22
DYCT		GUAM	1401	14433.71020	0.023	0.397
				0.062	0.059	0.66
DZCT		GUAM	1401	-31900.42970	0.038	0.654
				0.062	0.059	1.09
GROUP: HIGH_STD.ASC, obs#: 435						
DXCT		GUUG	1401	124.39300	-0.051	-1.782
				0.036	0.028	3.09
DYCT		GUUG	1401	6337.03380	0.020	0.791
				0.033	0.026	1.24

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		GUUG	1401	-15089.82270 0.032	-0.006 0.024	-0.268 0.39
GROUP: HIGH_STD.ASC, obs#: 436						
DXCT		1201	1402	-6436.10140 0.027	0.006 0.017	0.358 0.42
DYCT		1201	1402	-3983.41470 0.026	0.010 0.017	0.575 0.68
DZCT		1201	1402	-12100.87350 0.026	-0.015 0.017	-0.906 1.08
GROUP: HIGH_STD.ASC, obs#: 437						
DXCT		GUUG	1402	1319.49450 0.033	-0.008 0.025	-0.333 0.55
DYCT		GUUG	1402	7347.44510 0.031	-0.011 0.023	-0.465 0.70
DZCT		GUUG	1402	-13301.88260 0.028	0.018 0.021	0.898 1.21
GROUP: HIGH_STD.ASC, obs#: 442						
DXCT		1201	1601	-7693.99630 0.032	0.004 0.022	0.171 0.22
DYCT		1201	1601	-4856.23080 0.031	-0.004 0.022	-0.161 0.20
DZCT		1201	1601	-14635.98560 0.031	-0.010 0.022	-0.460 0.57
GROUP: HIGH_STD.ASC, obs#: 443						
DXCT		GUUG	1601	61.59310 0.033	-0.004 0.023	-0.183 0.25
DYCT		GUUG	1601	6474.60120 0.032	0.004 0.022	0.172 0.22
DZCT		GUUG	1601	-15836.98070 0.031	0.010 0.022	0.465 0.59
GROUP: HIGH_STD.ASC, obs#: 444						
DXCT		1201	1602	-7195.26170 0.034	-0.021 0.023	-0.907 1.12
DYCT		1201	1602	-3356.27400 0.033	0.001 0.022	0.066 0.08
DZCT		1201	1602	-16586.96490 0.033	-0.008 0.022	-0.348 0.42
GROUP: HIGH_STD.ASC, obs#: 445						
DXCT		GUUG	1602	560.27490 0.037	0.024 0.027	0.906 1.24
DYCT		GUUG	1602	7974.56960 0.036	-0.003 0.027	-0.105 0.14
DZCT		GUUG	1602	-17787.95650 0.035	0.009 0.025	0.342 0.45
GROUP: HIGH_STD.ASC, obs#: 446						
DXCT		GUAM	1604	6787.46630 0.070	0.028 0.068	0.407 0.71
DYCT		GUAM	1604	22343.39440 0.070	0.011 0.068	0.159 0.28
DZCT		GUAM	1604	-31346.65740 0.069	-0.016 0.068	-0.239 0.41
GROUP: HIGH_STD.ASC, obs#: 447						

Residuals (critical value = 4.241):

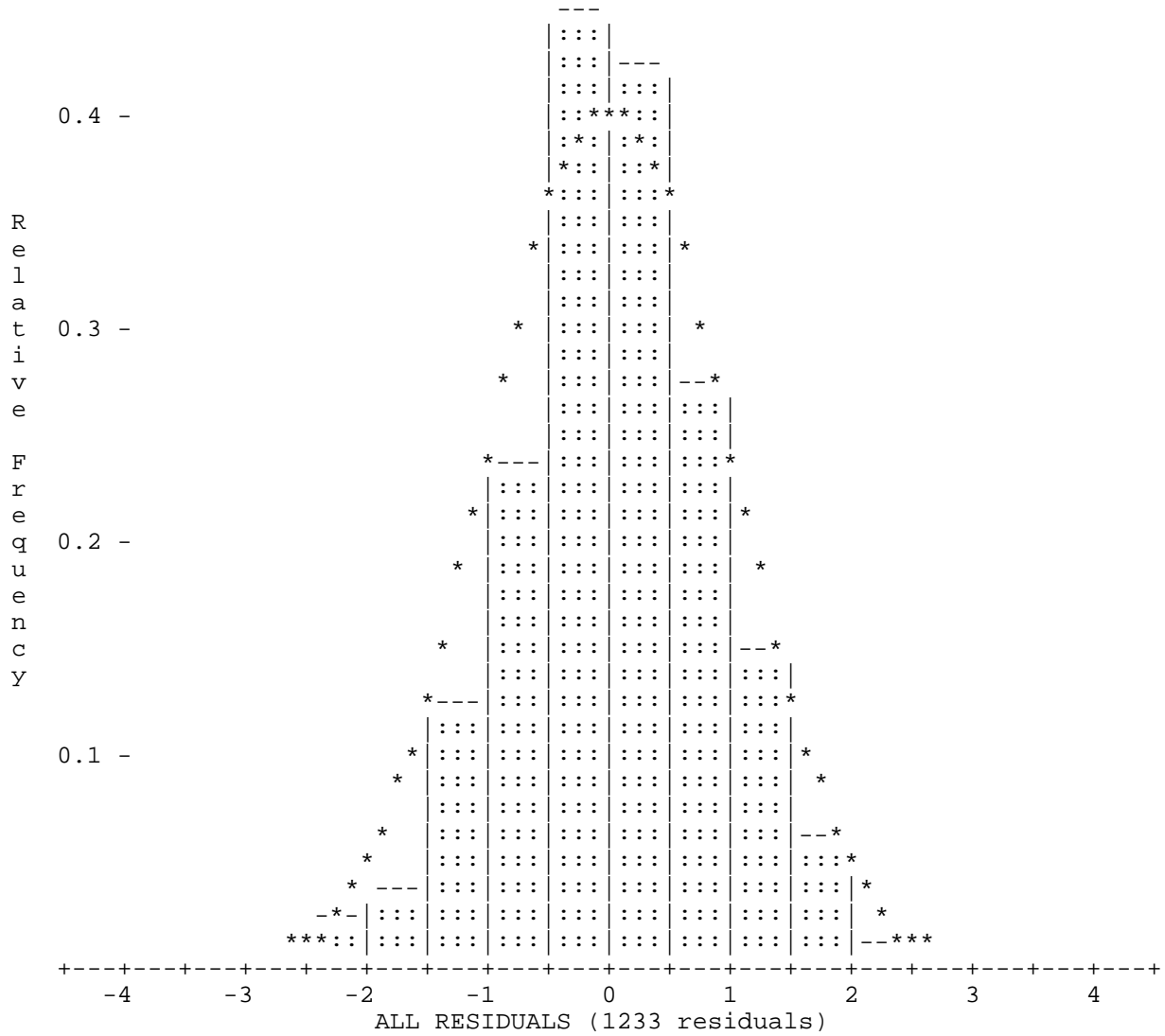
TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		1201	1604	-1815.60810 0.025	-0.006 0.021	-0.282 0.43
DYCT		1201	1604	2915.88800 0.025	-0.002 0.020	-0.076 0.11
DZCT		1201	1604	-13335.13630 0.025	0.000 0.020	0.008 0.01
GROUP: HIGH_STD.ASC, obs#: 450						
DXCT		GUAM	204	1357.50140 0.055	0.013 0.050	0.258 0.43
DYCT		GUAM	204	12889.54220 0.054	0.031 0.049	0.634 1.05
DZCT		GUAM	204	-26669.62010 0.053	-0.031 0.048	-0.649 1.05
GROUP: HIGH_STD.ASC, obs#: 451						
DXCT		1201	204	-7245.59130 0.025	-0.002 0.010	-0.241 0.19
DYCT		1201	204	-6537.93940 0.024	-0.006 0.010	-0.614 0.46
DZCT		1201	204	-8658.12000 0.023	0.006 0.009	0.644 0.47
GROUP: HIGH_STD.ASC, obs#: 452						
DXCT		1201	3	-6480.31000 0.021	0.003 0.012	0.283 0.28
DYCT		1201	3	-5994.02850 0.020	-0.005 0.012	-0.464 0.47
DZCT		1201	3	-7310.73410 0.020	-0.001 0.011	-0.087 0.09
GROUP: HIGH_STD.ASC, obs#: 453						
DXCT		902	3	-4024.76740 0.024	-0.002 0.014	-0.150 0.16
DYCT		902	3	-9293.12680 0.024	-0.000 0.014	-0.020 0.02
DZCT		902	3	9169.68560 0.024	-0.001 0.014	-0.079 0.08
GROUP: HIGH_STD.ASC, obs#: 454						
DXCT		GUAM	3	2122.81190 0.051	-0.011 0.048	-0.221 0.37
DYCT		GUAM	3	13433.45050 0.051	0.034 0.048	0.717 1.20
DZCT		GUAM	3	-25322.28370 0.051	0.011 0.048	0.233 0.39
GROUP: HIGH_STD.ASC, obs#: 455						
DXCT		1201	303	-5366.86950 0.017	0.000 0.010	0.012 0.01
DYCT		1201	303	-5168.88560 0.017	-0.002 0.010	-0.220 0.23
DZCT		1201	303	-5442.14710 0.016	-0.001 0.009	-0.130 0.13
GROUP: HIGH_STD.ASC, obs#: 456						
DXCT		1604	303	-3551.25270 0.022	-0.003 0.015	-0.179 0.23
DYCT		1604	303	-8084.77260	-0.002	-0.107

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		1604	303	7892.98620 0.021	0.015 0.002 0.014	0.13 0.111 0.14
GROUP: HIGH_STD.ASC, obs#: 457						
DXCT		GUAM	303	3236.22480 0.051	0.014 0.049	0.284 0.50
DYCT		GUAM	303	14258.60380 0.050	0.027 0.047	0.573 0.98
DZCT		GUAM	303	-23453.68800 0.049	0.002 0.047	0.047 0.08
GROUP: HIGH_STD.ASC, obs#: 462						
DXCT		1201	911	-7525.31300 0.032	0.006 0.023	0.280 0.36
DYCT		1201	911	-4336.12430 0.032	0.005 0.023	0.217 0.28
DZCT		1201	911	-15335.94110 0.031	0.023 0.023	1.009 1.31
GROUP: HIGH_STD.ASC, obs#: 463						
DXCT		GUAM	911	1077.79590 0.065	0.006 0.062	0.090 0.15
DYCT		GUAM	911	15091.37900 0.065	0.020 0.061	0.331 0.56
DZCT		GUAM	911	-33347.45380 0.065	-0.002 0.061	-0.028 0.05
GROUP: HIGH_STD.ASC, obs#: 464						
DXCT		GUUG	911	230.28230 0.034	-0.007 0.026	-0.290 0.42
DYCT		GUUG	911	6994.73090 0.033	-0.011 0.025	-0.433 0.61
DZCT		GUUG	911	-16536.86920 0.032	-0.024 0.024	-0.996 1.34
GROUP: HIGH_STD.ASC, obs#: 465						
DXCT		GUUG	YIGO_GG	-3213.39380 0.029	-0.062 0.026	-2.351 4.16
DYCT		GUUG	YIGO_GG	-9130.01480 0.028	-0.012 0.025	-0.481 0.82
DZCT		GUUG	YIGO_GG	11231.62910 0.027	0.018 0.025	0.729 1.21
GROUP: HIGH_STD.ASC, obs#: 466						
DXCT		GUAM	YIGO_GG	-2365.94230 0.014	0.013 0.006	2.283 2.18
DYCT		GUAM	YIGO_GG	-1033.34820 0.012	0.001 0.005	0.120 0.10
DZCT		GUAM	YIGO_GG	-5578.91140 0.012	-0.004 0.005	-0.818 0.62
GROUP: HIGH_S~2.ASC, obs#: 467						
DXCT		1201	403	-4996.20970 0.035	0.004 0.022	0.172 0.19
DYCT		1201	403	602.51440 0.034	0.004 0.022	0.204 0.23
DZCT		1201	403	-18677.51550 0.034	-0.001 0.022	-0.032 0.04

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: HIGH_S~2.ASC,obs#: 468						
DXCT		GUUG	403	2759.38100 0.042	-0.006 0.033	-0.170 0.24
DYCT		GUUG	403	11933.36470 0.042	-0.006 0.032	-0.202 0.28
DZCT		GUUG	403	-19878.49250 0.042	0.001 0.032	0.035 0.05
GROUP: HIGH_S~3.ASC,obs#: 469						
DXCT		1201	GGN_2205	-7888.78200 0.028	0.013 0.020	0.632 0.82
DYCT		1201	GGN_2205	-6009.58790 0.028	0.012 0.020	0.614 0.79
DZCT		1201	GGN_2205	-12056.36730 0.028	0.007 0.020	0.330 0.43
GROUP: HIGH_S~3.ASC,obs#: 470						
DXCT		GUUG	GGN_2205	-133.17700 0.028	-0.011 0.019	-0.570 0.76
DYCT		GUUG	GGN_2205	5321.27440 0.027	-0.011 0.019	-0.568 0.74
DZCT		GUUG	GGN_2205	-13257.33030 0.026	-0.006 0.017	-0.321 0.39



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	4.2407
Number of Flagged Residuals	4
Convergence Criterion	0.0010
Final Iteration Counter Value	2
Confidence Level Used	95.0000
Estimated Variance Factor	1.0216
Number of Degrees of Freedom	762

Chi-Square Test on the Variance Factor:

9.2633e-01 < 1.0000 < 1.1325e+00 ?

THE TEST PASSES

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

Variance factor used	=	1.0216
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	0.017 (0, 90)	0.013 (90, 0)	0.012 (0, 0)
10	0.049 (0, 90)	0.048 (0, 0)	0.048 (90, 0)
1001	0.026 (90, 87)	0.019 (270, 3)	0.019 (0, 0)
1002	0.074 (306, 84)	0.071 (90, 5)	0.070 (180, 3)
1003	0.021 (0, 90)	0.018 (90, 0)	0.018 (0, 0)
1004	0.028 (0, 90)	0.028 (0, 0)	0.028 (90, 0)
1005	0.017 (0, 90)	0.016 (90, 0)	0.016 (0, 0)
1006	0.023 (0, 90)	0.022 (90, 0)	0.022 (0, 0)
101	0.029 (157, 88)	0.018 (67, 0)	0.016 (337, 2)
1011	0.022 (0, 90)	0.022 (0, 0)	0.022 (90, 0)
1012	0.068 (21, 74)	0.067 (180, 15)	0.066 (272, 6)
1013	0.055 (8, 81)	0.054 (163, 8)	0.053 (254, 4)
1014	0.033 (90, 86)	0.028 (270, 4)	0.028 (0, 0)
1015	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)
1016	0.032 (0, 90)	0.030 (90, 0)	0.030 (0, 0)
1017	0.007 (0, 90)	0.006 (90, 0)	0.006 (0, 0)
1018	0.015 (0, 90)	0.014 (90, 0)	0.014 (0, 0)
1019	0.018 (0, 90)	0.017 (90, 0)	0.017 (0, 0)
1020	0.020 (0, 90)	0.019 (90, 0)	0.019 (0, 0)
103	0.052 (0, 86)	0.051 (90, 0)	0.050 (180, 4)
104	0.016 (0, 90)	0.016 (0, 0)	0.016 (90, 0)
105	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)
106	0.022 (0, 90)	0.022 (90, 0)	0.022 (0, 0)
107	0.010 (0, 90)	0.008 (90, 0)	0.008 (0, 0)
108	0.010 (0, 90)	0.008 (90, 0)	0.008 (0, 0)
109	0.016 (0, 90)	0.015 (0, 0)	0.015 (90, 0)
110	0.022 (0, 90)	0.021 (90, 0)	0.020 (0, 0)
1101	0.064 (0, 82)	0.058 (175, 8)	0.058 (265, 1)
1103	0.043 (90, 87)	0.040 (270, 3)	0.040 (0, 0)
1104	0.020 (0, 90)	0.019 (0, 0)	0.019 (90, 0)
1105	0.018 (0, 90)	0.017 (90, 0)	0.017 (0, 0)
1106	0.017 (0, 90)	0.017 (0, 0)	0.017 (90, 0)
1107	0.020 (0, 90)	0.019 (90, 0)	0.019 (0, 0)
1108	0.014 (0, 90)	0.013 (90, 0)	0.013 (0, 0)
1109	0.010 (0, 90)	0.010 (0, 0)	0.010 (90, 0)
111	0.034 (0, 90)	0.034 (0, 0)	0.033 (90, 0)
1110	0.017 (0, 90)	0.016 (90, 0)	0.016 (0, 0)
1111	0.010 (0, 90)	0.008 (90, 0)	0.008 (0, 0)
1201	0.017 (0, 90)	0.016 (0, 0)	0.016 (90, 0)
1202	0.041 (0, 90)	0.040 (0, 0)	0.040 (90, 0)
1203	0.056 (0, 87)	0.054 (90, 0)	0.054 (180, 3)
1204	0.006 (0, 90)	0.006 (90, 0)	0.006 (0, 0)
1205	0.012 (0, 90)	0.010 (90, 0)	0.010 (0, 0)
1206	0.014 (0, 90)	0.012 (90, 0)	0.012 (0, 0)
1207	0.014 (0, 90)	0.013 (90, 0)	0.013 (0, 0)
1208	0.007 (0, 90)	0.006 (90, 0)	0.006 (0, 0)
1209	0.019 (0, 90)	0.018 (90, 0)	0.018 (0, 0)
1210	0.022 (0, 75)	0.020 (180, 15)	0.020 (90, 0)
1211	0.033 (0, 90)	0.032 (90, 0)	0.032 (0, 0)
1301	0.061 (9, 77)	0.056 (180, 12)	0.056 (270, 2)
1302	0.054 (30, 76)	0.051 (248, 11)	0.051 (156, 9)
1303	0.044 (90, 84)	0.042 (343, 2)	0.042 (253, 5)
1304	0.011 (0, 78)	0.009 (180, 12)	0.008 (90, 0)

3D Station Confidence Regions (95.000 percent):

STATION	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)
1305	0.016 (0, 90)	0.015 (90, 0)	0.015 (0, 0)
1306	0.029 (21, 84)	0.022 (284, 1)	0.021 (194, 6)
1307	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)
1308	0.017 (0, 90)	0.017 (0, 0)	0.016 (90, 0)
1309	0.010 (0, 90)	0.008 (0, 0)	0.008 (90, 0)
1310	0.014 (0, 90)	0.013 (90, 0)	0.013 (0, 0)
1311	0.015 (0, 90)	0.013 (90, 0)	0.013 (0, 0)
1312	0.013 (0, 90)	0.011 (90, 0)	0.011 (0, 0)
1401	0.064 (0, 85)	0.057 (214, 4)	0.057 (124, 3)
1402	0.063 (0, 88)	0.054 (258, 0)	0.053 (168, 2)
1403	0.044 (32, 80)	0.035 (232, 9)	0.035 (142, 3)
1404	0.022 (0, 90)	0.021 (90, 0)	0.020 (0, 0)
1405	0.014 (0, 90)	0.013 (90, 0)	0.013 (0, 0)
1406	0.014 (0, 90)	0.012 (90, 0)	0.012 (0, 0)
1407	0.019 (0, 90)	0.018 (0, 0)	0.018 (90, 0)
1408	0.015 (0, 90)	0.015 (90, 0)	0.015 (0, 0)
1409	0.015 (0, 90)	0.014 (90, 0)	0.014 (0, 0)
1410	0.018 (0, 90)	0.017 (90, 0)	0.017 (0, 0)
1501	0.071 (36, 87)	0.063 (270, 2)	0.062 (180, 2)
1502	0.053 (180, 87)	0.049 (90, 0)	0.049 (0, 3)
1503	0.035 (89, 87)	0.031 (242, 3)	0.030 (332, 2)
1504	0.025 (90, 76)	0.022 (270, 14)	0.022 (0, 0)
1505	0.011 (0, 90)	0.008 (90, 0)	0.008 (0, 0)
1506	0.015 (0, 90)	0.014 (90, 0)	0.014 (0, 0)
1507	0.014 (25, 70)	0.012 (180, 18)	0.012 (273, 8)
1508	0.018 (0, 90)	0.017 (90, 0)	0.017 (0, 0)
1509	0.010 (0, 90)	0.007 (90, 0)	0.007 (0, 0)
1510	0.017 (0, 90)	0.015 (90, 0)	0.015 (0, 0)
1511	0.014 (0, 90)	0.012 (0, 0)	0.012 (90, 0)
1512	0.027 (0, 90)	0.026 (0, 0)	0.026 (90, 0)
1513	0.032 (0, 90)	0.031 (0, 0)	0.031 (90, 0)
1601	0.067 (294, 87)	0.062 (90, 3)	0.062 (180, 1)
1602	0.072 (125, 86)	0.069 (239, 2)	0.068 (329, 4)
1603	0.060 (17, 68)	0.047 (180, 21)	0.046 (272, 6)
1604	0.044 (90, 85)	0.042 (0, 0)	0.042 (270, 5)
1605	0.010 (0, 90)	0.008 (90, 0)	0.008 (0, 0)
1606	0.017 (0, 90)	0.016 (90, 0)	0.016 (0, 0)
1607	0.019 (0, 90)	0.017 (90, 0)	0.017 (0, 0)
1608	0.015 (0, 77)	0.013 (180, 13)	0.013 (90, 0)
1609	0.015 (0, 90)	0.014 (0, 0)	0.014 (90, 0)
1610	0.008 (0, 90)	0.006 (90, 0)	0.006 (0, 0)
2	0.076 (16, 71)	0.072 (180, 18)	0.072 (272, 5)
201	0.035 (180, 87)	0.031 (90, 0)	0.031 (0, 3)
202	0.020 (62, 80)	0.011 (270, 8)	0.010 (179, 4)
203	0.068 (270, 86)	0.067 (90, 4)	0.066 (0, 0)
204	0.068 (270, 88)	0.062 (166, 1)	0.061 (76, 2)
205	0.019 (0, 90)	0.018 (90, 0)	0.018 (0, 0)
206	0.024 (0, 90)	0.022 (0, 0)	0.022 (90, 0)
207	0.040 (35, 85)	0.034 (284, 2)	0.033 (194, 4)
208	0.026 (0, 90)	0.025 (0, 0)	0.025 (90, 0)
209	0.015 (0, 90)	0.012 (90, 0)	0.012 (0, 0)
210	0.021 (0, 90)	0.020 (90, 0)	0.020 (0, 0)
3	0.050 (0, 90)	0.050 (0, 0)	0.050 (90, 0)

3D Station Confidence Regions (95.000 percent):

STATION	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)
301	0.024 (0, 90)	0.022 (0, 0)	0.022 (90, 0)
303	0.044 (90, 85)	0.041 (270, 5)	0.041 (0, 0)
304	0.008 (0, 90)	0.004 (90, 0)	0.004 (0, 0)
305	0.019 (0, 90)	0.018 (90, 0)	0.018 (0, 0)
306	0.029 (0, 76)	0.028 (90, 0)	0.028 (180, 14)
307	0.009 (0, 90)	0.007 (0, 0)	0.007 (90, 0)
308	0.010 (0, 90)	0.009 (90, 0)	0.009 (0, 0)
309	0.015 (0, 90)	0.013 (90, 0)	0.013 (0, 0)
310	0.047 (180, 87)	0.046 (90, 0)	0.046 (0, 3)
311	0.050 (0, 90)	0.050 (90, 0)	0.049 (0, 0)
4	0.023 (70, 79)	0.020 (270, 10)	0.020 (179, 4)
401	0.028 (71, 85)	0.021 (270, 5)	0.020 (180, 2)
402	0.078 (102, 75)	0.075 (260, 14)	0.074 (351, 6)
403	0.077 (37, 79)	0.076 (219, 11)	0.075 (129, 0)
404	0.038 (0, 79)	0.037 (162, 11)	0.037 (253, 3)
405	0.013 (0, 90)	0.012 (90, 0)	0.012 (0, 0)
406	0.023 (19, 71)	0.020 (180, 18)	0.020 (272, 6)
407	0.015 (0, 90)	0.012 (90, 0)	0.012 (0, 0)
408	0.026 (0, 90)	0.026 (90, 0)	0.026 (0, 0)
409	0.017 (0, 90)	0.014 (0, 0)	0.014 (90, 0)
410	0.032 (180, 80)	0.029 (0, 10)	0.028 (90, 0)
5	0.018 (0, 80)	0.016 (180, 10)	0.016 (90, 0)
501	0.026 (48, 80)	0.024 (270, 7)	0.024 (179, 6)
502	0.072 (94, 75)	0.069 (261, 15)	0.068 (352, 3)
504	0.042 (0, 88)	0.037 (90, 0)	0.037 (180, 2)
505	0.023 (0, 90)	0.022 (90, 0)	0.022 (0, 0)
506	0.019 (0, 90)	0.018 (0, 0)	0.018 (90, 0)
507	0.011 (0, 72)	0.007 (180, 18)	0.007 (90, 0)
508	0.022 (0, 90)	0.020 (90, 0)	0.020 (0, 0)
509	0.021 (0, 71)	0.020 (180, 19)	0.019 (90, 0)
510	0.038 (90, 78)	0.036 (270, 12)	0.036 (0, 0)
6	0.011 (0, 90)	0.008 (0, 0)	0.008 (90, 0)
7	0.013 (0, 90)	0.012 (0, 0)	0.012 (90, 0)
8	0.021 (0, 90)	0.021 (90, 0)	0.020 (0, 0)
9	0.037 (12, 72)	0.033 (271, 4)	0.033 (180, 18)
901	0.058 (0, 89)	0.054 (180, 1)	0.054 (90, 0)
902	0.061 (0, 90)	0.060 (0, 0)	0.060 (90, 0)
903	0.041 (0, 90)	0.038 (90, 0)	0.038 (0, 0)
904	0.009 (0, 90)	0.008 (0, 0)	0.008 (90, 0)
905	0.014 (0, 90)	0.014 (0, 0)	0.014 (90, 0)
906	0.040 (0, 90)	0.039 (90, 0)	0.039 (0, 0)
911	0.064 (334, 86)	0.060 (90, 2)	0.060 (180, 3)
912	0.040 (0, 87)	0.037 (90, 0)	0.036 (180, 3)
914	0.010 (0, 90)	0.007 (90, 0)	0.006 (0, 0)
915	0.018 (0, 90)	0.017 (0, 0)	0.017 (90, 0)
916	0.015 (0, 90)	0.014 (90, 0)	0.014 (0, 0)
917	0.014 (0, 90)	0.012 (90, 0)	0.012 (0, 0)
BEACH	0.037 (0, 86)	0.036 (180, 4)	0.036 (90, 0)
GGN_2205	0.059 (254, 86)	0.054 (71, 4)	0.054 (161, 0)
NCS	0.011 (0, 90)	0.010 (0, 0)	0.010 (90, 0)
YIGO_GG	0.037 (129, 88)	0.030 (339, 2)	0.029 (249, 1)

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1	1201	0.024	0.020	0.020	28265.409	0.85
		(0, 87)	(90, 0)	(180, 3)		
1	GUAM	0.017	0.013	0.012	2356.264	7.12
		(0, 90)	(90, 0)	(0, 0)		
1	GUUG	0.017	0.013	0.012	20082.301	0.83
		(0, 90)	(90, 0)	(0, 0)		
10	1208	0.049	0.048	0.048	15469.731	3.15
		(0, 90)	(0, 0)	(90, 0)		
10	1512	0.053	0.052	0.052	20973.605	2.52
		(0, 90)	(0, 0)	(90, 0)		
10	GUUG	0.049	0.048	0.048	14552.768	3.35
		(0, 90)	(0, 0)	(90, 0)		
1001	GUAM	0.026	0.019	0.019	3710.632	7.00
		(90, 87)	(270, 3)	(0, 0)		
1001	GUUG	0.026	0.019	0.019	20163.195	1.29
		(90, 87)	(270, 3)	(0, 0)		
1002	1201	0.073	0.070	0.070	17128.101	4.27
		(305, 84)	(90, 5)	(180, 3)		
1002	GUUG	0.074	0.071	0.070	23629.090	3.12
		(306, 84)	(90, 5)	(180, 3)		
1003	1201	0.011	0.008	0.007	1325.879	8.42
		(0, 90)	(90, 0)	(0, 0)		
1003	GUAM	0.021	0.018	0.018	28723.472	0.72
		(0, 90)	(90, 0)	(0, 0)		
1004	1204	0.028	0.028	0.028	7931.508	3.55
		(0, 90)	(0, 0)	(90, 0)		
1004	1407	0.031	0.031	0.031	12127.150	2.59
		(0, 90)	(0, 0)	(90, 0)		
1004	GUAM	0.028	0.028	0.028	9732.127	2.91
		(0, 90)	(0, 0)	(90, 0)		
1005	1208	0.018	0.017	0.017	11459.349	1.57
		(0, 90)	(90, 0)	(0, 0)		
1005	1209	0.021	0.019	0.019	5074.096	4.04
		(0, 90)	(90, 0)	(0, 0)		
1005	1410	0.022	0.020	0.020	6099.422	3.56
		(0, 90)	(90, 0)	(0, 0)		
1005	GUAM	0.017	0.016	0.016	14318.518	1.22
		(0, 90)	(90, 0)	(0, 0)		
1005	GUUG	0.017	0.016	0.016	4880.338	3.57
		(0, 90)	(90, 0)	(0, 0)		
1006	1208	0.023	0.022	0.022	8586.241	2.66
		(0, 90)	(90, 0)	(0, 0)		
1006	917	0.024	0.023	0.023	7369.190	3.23
		(0, 90)	(90, 0)	(0, 0)		
1006	GUAM	0.023	0.022	0.022	11279.810	2.03
		(0, 90)	(90, 0)	(0, 0)		
1006	GUUG	0.023	0.022	0.022	8415.382	2.72
		(0, 90)	(90, 0)	(0, 0)		
101	1201	0.033	0.024	0.023	24937.593	1.34
		(156, 89)	(66, 0)	(336, 1)		
101	GUAM	0.029	0.018	0.016	2947.778	9.85
		(157, 88)	(67, 0)	(337, 2)		

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1011	1204	0.023 (0, 90)	0.023 (0, 0)	0.023 (90, 0)	12180.170	1.89
1011	GUAM	0.022 (0, 90)	0.022 (0, 0)	0.022 (90, 0)	5823.904	3.85
1011	NCS	0.023 (0, 90)	0.023 (0, 0)	0.023 (90, 0)	7671.928	3.05
1012	1201	0.068 (21, 74)	0.067 (180, 15)	0.066 (272, 5)	18341.604	3.70
1012	GUUG	0.068 (21, 74)	0.067 (180, 15)	0.066 (272, 6)	18797.367	3.62
1013	1201	0.055 (5, 80)	0.054 (164, 10)	0.053 (254, 4)	17276.984	3.20
1013	1202	0.054 (70, 86)	0.053 (160, 0)	0.052 (250, 4)	13437.448	4.00
1013	GUUG	0.055 (8, 81)	0.054 (163, 8)	0.053 (254, 4)	23516.966	2.36
1014	1201	0.028 (90, 86)	0.024 (270, 4)	0.023 (0, 0)	4592.944	6.15
1014	GUAM	0.033 (90, 86)	0.028 (270, 4)	0.028 (0, 0)	27393.816	1.20
1015	1204	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	5838.847	3.74
1015	1506	0.024 (0, 90)	0.023 (90, 0)	0.023 (0, 0)	8376.462	2.86
1015	GUAM	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	8128.315	2.72
1016	1204	0.031 (0, 90)	0.030 (90, 0)	0.030 (0, 0)	6786.195	4.60
1016	GUAM	0.032 (0, 90)	0.030 (90, 0)	0.030 (0, 0)	12085.786	2.61
1017	1018	0.014 (0, 90)	0.013 (90, 0)	0.013 (0, 0)	3465.140	4.12
1017	107	0.011 (0, 90)	0.009 (90, 0)	0.009 (0, 0)	2857.786	3.81
1017	1104	0.020 (0, 90)	0.019 (0, 0)	0.019 (90, 0)	5488.387	3.60
1017	1105	0.018 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	4915.355	3.74
1017	1204	0.009 (0, 90)	0.009 (90, 0)	0.009 (0, 0)	10011.475	0.94
1017	1207	0.013 (0, 90)	0.012 (90, 0)	0.012 (0, 0)	3153.308	4.23
1017	1307	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	6364.188	3.42
1017	1409	0.015 (0, 90)	0.013 (90, 0)	0.013 (0, 0)	3451.932	4.32
1017	1607	0.019 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	5483.076	3.46
1017	1608	0.014 (0, 76)	0.012 (180, 14)	0.012 (90, 0)	3480.526	3.98
1017	307	0.010 (0, 90)	0.009 (0, 0)	0.009 (90, 0)	3103.358	3.36

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1017	308	0.010 (0, 90)	0.009 (90, 0)	0.008 (0, 0)	2172.639	4.66
1017	407	0.016 (0, 90)	0.013 (90, 0)	0.013 (0, 0)	6121.239	2.61
1017	506	0.019 (0, 90)	0.018 (0, 0)	0.018 (90, 0)	5208.905	3.72
1017	507	0.009 (0, 70)	0.003 (180, 20)	0.003 (90, 0)	196.170	44.78
1017	6	0.012 (0, 90)	0.010 (0, 0)	0.010 (90, 0)	3686.200	3.16
1017	GUAM	0.007 (0, 90)	0.006 (90, 0)	0.006 (0, 0)	14626.295	0.50
1017	GUUG	0.007 (0, 90)	0.006 (90, 0)	0.006 (0, 0)	4578.736	1.58
1018	1207	0.015 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	3580.782	4.28
1018	GUAM	0.015 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	11482.693	1.32
1018	GUUG	0.015 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	8014.812	1.89
1019	1107	0.025 (0, 90)	0.023 (90, 0)	0.023 (0, 0)	8714.739	2.84
1019	1208	0.019 (0, 90)	0.018 (90, 0)	0.018 (0, 0)	9990.817	1.90
1019	GUAM	0.018 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	22555.047	0.80
1019	GUUG	0.018 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	3986.177	4.55
1020	1208	0.020 (0, 90)	0.019 (90, 0)	0.019 (0, 0)	7638.810	2.67
1020	1310	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	8106.703	2.76
1020	1510	0.024 (0, 90)	0.022 (90, 0)	0.022 (0, 0)	7981.760	3.06
1020	GUUG	0.020 (0, 90)	0.019 (90, 0)	0.019 (0, 0)	5881.180	3.48
103	1201	0.049 (0, 90)	0.048 (90, 0)	0.048 (0, 0)	11233.225	4.36
103	1203	0.052 (0, 90)	0.051 (90, 0)	0.051 (0, 0)	12395.161	4.21
104	1204	0.016 (0, 90)	0.016 (0, 0)	0.016 (90, 0)	5409.619	3.01
104	904	0.017 (0, 90)	0.016 (0, 0)	0.016 (90, 0)	6361.844	2.66
104	GUAM	0.016 (0, 90)	0.016 (0, 0)	0.016 (90, 0)	4682.309	3.51
105	1204	0.022 (0, 90)	0.020 (90, 0)	0.020 (0, 0)	6498.457	3.34
105	914	0.022 (0, 90)	0.021 (90, 0)	0.020 (0, 0)	6474.793	3.40
105	GUAM	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	8592.480	2.58

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
106	1204	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	5653.885	3.85
106	1305	0.024 (0, 90)	0.023 (90, 0)	0.023 (0, 0)	8542.243	2.83
106	GUAM	0.022 (0, 90)	0.022 (90, 0)	0.022 (0, 0)	8964.510	2.48
107	1105	0.019 (0, 90)	0.018 (90, 0)	0.018 (0, 0)	6226.445	3.10
107	GUAM	0.010 (0, 90)	0.008 (90, 0)	0.008 (0, 0)	16719.790	0.61
107	GUUG	0.010 (0, 90)	0.008 (90, 0)	0.008 (0, 0)	1960.010	5.24
108	1108	0.015 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	5211.792	2.94
108	1208	0.011 (0, 90)	0.010 (90, 0)	0.010 (0, 0)	7874.698	1.44
108	GUUG	0.010 (0, 90)	0.008 (90, 0)	0.008 (0, 0)	1649.101	6.00
109	1109	0.017 (0, 90)	0.016 (0, 0)	0.016 (90, 0)	6287.615	2.70
109	1208	0.016 (0, 90)	0.015 (0, 0)	0.015 (90, 0)	5753.311	2.76
109	GUUG	0.016 (0, 90)	0.015 (0, 0)	0.015 (90, 0)	3917.167	4.04
110	1208	0.022 (0, 90)	0.020 (90, 0)	0.020 (0, 0)	5457.018	3.98
110	1311	0.024 (0, 90)	0.022 (90, 0)	0.021 (0, 0)	7536.996	3.15
110	GUUG	0.022 (0, 90)	0.021 (90, 0)	0.020 (0, 0)	8384.689	2.65
1101	1201	0.064 (0, 82)	0.059 (175, 8)	0.058 (265, 1)	16351.538	3.89
1101	GUUG	0.064 (0, 82)	0.058 (175, 8)	0.058 (265, 1)	15349.801	4.16
1103	1201	0.044 (90, 87)	0.041 (270, 3)	0.041 (0, 0)	12859.235	3.42
1103	GUUG	0.043 (90, 87)	0.040 (270, 3)	0.040 (0, 0)	9868.936	4.39
1104	307	0.021 (0, 90)	0.019 (0, 0)	0.019 (90, 0)	7300.543	2.82
1104	GUAM	0.020 (0, 90)	0.019 (0, 0)	0.019 (90, 0)	10022.666	1.97
1104	GUUG	0.020 (0, 90)	0.019 (0, 0)	0.019 (90, 0)	8805.323	2.25
1105	GUAM	0.018 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	10666.362	1.73
1105	GUUG	0.018 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	8146.411	2.27
1106	1208	0.017 (0, 90)	0.016 (0, 0)	0.016 (90, 0)	3930.898	4.25
1106	408	0.029 (0, 90)	0.028 (90, 0)	0.028 (0, 0)	10319.449	2.78

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1106	GUUG	0.017 (0, 90)	0.017 (0, 0)	0.017 (90, 0)	6043.967	2.83
1107	1208	0.021 (0, 90)	0.020 (90, 0)	0.020 (0, 0)	8433.309	2.48
1107	GUAM	0.020 (0, 90)	0.019 (90, 0)	0.019 (0, 0)	13890.710	1.46
1107	GUUG	0.020 (0, 90)	0.019 (90, 0)	0.019 (0, 0)	5040.090	4.03
1108	1208	0.013 (0, 90)	0.012 (90, 0)	0.012 (0, 0)	2828.606	4.64
1108	GUAM	0.014 (0, 90)	0.013 (90, 0)	0.013 (0, 0)	17991.029	0.76
1108	GUUG	0.014 (0, 90)	0.013 (90, 0)	0.013 (0, 0)	6668.798	2.05
1109	1208	0.008 (0, 90)	0.008 (0, 0)	0.008 (90, 0)	1526.672	5.51
1109	GUUG	0.010 (0, 90)	0.010 (0, 0)	0.010 (90, 0)	10138.384	1.03
111	1208	0.034 (0, 90)	0.034 (0, 0)	0.033 (90, 0)	10309.221	3.30
111	1513	0.043 (0, 83)	0.042 (180, 7)	0.042 (90, 0)	17541.336	2.47
111	GUUG	0.034 (0, 90)	0.034 (0, 0)	0.033 (90, 0)	9795.533	3.48
1110	1208	0.016 (0, 90)	0.015 (90, 0)	0.015 (0, 0)	3592.225	4.54
1110	309	0.019 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	5565.487	3.34
1110	GUUG	0.017 (0, 90)	0.016 (90, 0)	0.016 (0, 0)	11008.438	1.57
1111	1208	0.007 (0, 90)	0.005 (90, 0)	0.004 (0, 0)	831.962	8.54
1111	GUUG	0.010 (0, 90)	0.008 (90, 0)	0.008 (0, 0)	8611.533	1.11
1201	1202	0.042 (0, 90)	0.040 (0, 0)	0.040 (90, 0)	13492.643	3.08
1201	1203	0.054 (0, 87)	0.052 (90, 0)	0.052 (180, 3)	14157.799	3.80
1201	1301	0.061 (10, 77)	0.056 (180, 12)	0.056 (270, 2)	15992.585	3.82
1201	1302	0.054 (29, 76)	0.052 (248, 11)	0.051 (156, 8)	15096.102	3.57
1201	1303	0.040 (90, 83)	0.040 (343, 2)	0.039 (252, 6)	10917.199	3.70
1201	1401	0.064 (0, 85)	0.058 (214, 4)	0.057 (124, 3)	16615.474	3.83
1201	1402	0.062 (0, 88)	0.054 (257, 0)	0.053 (167, 2)	14273.134	4.35
1201	1403	0.044 (32, 80)	0.037 (232, 9)	0.036 (142, 3)	11719.766	3.78
1201	1404	0.014 (0, 90)	0.013 (90, 0)	0.012 (0, 0)	2438.800	5.93

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1201	1501	0.071 (36, 87)	0.063 (270, 2)	0.062 (180, 2)	17239.762	4.09
1201	1502	0.052 (180, 87)	0.049 (90, 0)	0.049 (0, 3)	12991.139	4.01
1201	1503	0.036 (62, 87)	0.032 (242, 3)	0.031 (152, 0)	10350.181	3.43
1201	1504	0.019 (90, 72)	0.016 (270, 18)	0.014 (0, 0)	3896.506	4.79
1201	1601	0.067 (292, 87)	0.062 (90, 3)	0.062 (180, 1)	17233.482	3.87
1201	1602	0.072 (121, 85)	0.068 (239, 2)	0.068 (329, 4)	18389.244	3.89
1201	1603	0.059 (17, 68)	0.048 (180, 21)	0.046 (272, 6)	13343.502	4.45
1201	1604	0.041 (90, 84)	0.039 (0, 0)	0.039 (270, 6)	13770.429	3.00
1201	2	0.075 (16, 71)	0.072 (180, 19)	0.071 (272, 5)	17714.838	4.23
1201	203	0.068 (245, 85)	0.066 (90, 4)	0.066 (360, 2)	16222.903	4.16
1201	204	0.067 (270, 87)	0.060 (165, 1)	0.060 (75, 2)	13046.314	5.11
1201	3	0.048 (0, 90)	0.048 (0, 0)	0.048 (90, 0)	11461.661	4.21
1201	301	0.030 (0, 90)	0.027 (0, 0)	0.027 (90, 0)	28180.893	1.05
1201	303	0.041 (90, 84)	0.038 (270, 6)	0.038 (0, 0)	9227.007	4.43
1201	4	0.015 (90, 77)	0.012 (270, 13)	0.012 (0, 0)	2471.948	6.22
1201	401	0.033 (67, 85)	0.026 (270, 4)	0.026 (180, 2)	27661.109	1.18
1201	402	0.078 (102, 74)	0.074 (259, 14)	0.074 (351, 6)	19479.664	3.99
1201	403	0.077 (38, 80)	0.075 (220, 10)	0.075 (130, 0)	19343.596	3.96
1201	404	0.034 (0, 76)	0.034 (162, 13)	0.033 (253, 4)	7424.389	4.64
1201	502	0.073 (94, 76)	0.070 (261, 14)	0.069 (352, 3)	25000.214	2.92
1201	504	0.039 (0, 88)	0.034 (90, 0)	0.034 (180, 2)	6852.824	5.63
1201	901	0.058 (0, 90)	0.054 (0, 0)	0.054 (90, 0)	15585.276	3.70
1201	902	0.059 (0, 90)	0.058 (0, 0)	0.058 (90, 0)	16985.815	3.47
1201	903	0.037 (0, 90)	0.035 (90, 0)	0.035 (0, 0)	6950.586	5.39
1201	911	0.064 (336, 86)	0.061 (90, 1)	0.060 (180, 3)	17624.487	3.61
1201	912	0.040 (0, 86)	0.038 (90, 0)	0.038 (180, 4)	12306.346	3.28

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1201	BEACH	0.034 (0, 90)	0.033 (0, 0)	0.033 (90, 0)	6959.637	4.94
1201	GGN_2205	0.059 (254, 86)	0.054 (71, 4)	0.054 (161, 0)	15611.006	3.75
1201	GUAM	0.017 (0, 90)	0.016 (0, 0)	0.016 (90, 0)	27854.217	0.62
1201	GUUG	0.017 (0, 90)	0.016 (0, 0)	0.016 (90, 0)	13783.298	1.26
1201	NCS	0.020 (0, 90)	0.019 (0, 0)	0.019 (90, 0)	24806.138	0.82
1202	GUUG	0.041 (0, 90)	0.040 (0, 0)	0.040 (90, 0)	11062.538	3.72
1203	GUAM	0.056 (0, 87)	0.054 (90, 0)	0.054 (180, 3)	39588.414	1.42
1204	1205	0.013 (0, 90)	0.011 (90, 0)	0.011 (0, 0)	4905.073	2.66
1204	1206	0.012 (0, 90)	0.011 (90, 0)	0.011 (0, 0)	2246.138	5.55
1204	1304	0.009 (0, 78)	0.006 (180, 12)	0.006 (90, 0)	1071.872	8.56
1204	1305	0.015 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	3039.661	4.85
1204	1306	0.028 (21, 84)	0.022 (284, 1)	0.021 (194, 6)	4397.885	6.45
1204	1405	0.013 (0, 90)	0.012 (90, 0)	0.012 (0, 0)	2827.146	4.66
1204	1406	0.014 (0, 90)	0.013 (90, 0)	0.013 (0, 0)	4621.822	3.07
1204	1407	0.018 (0, 90)	0.018 (0, 0)	0.018 (90, 0)	4241.376	4.33
1204	1408	0.014 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	2948.666	4.91
1204	1505	0.009 (0, 90)	0.006 (90, 0)	0.006 (0, 0)	1126.207	8.07
1204	1506	0.014 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	3655.965	3.94
1204	1507	0.013 (25, 69)	0.011 (180, 19)	0.010 (273, 8)	2175.327	6.11
1204	1605	0.009 (0, 90)	0.006 (90, 0)	0.006 (0, 0)	1128.870	7.66
1204	1606	0.016 (0, 90)	0.015 (90, 0)	0.015 (0, 0)	3120.519	5.22
1204	205	0.019 (0, 90)	0.018 (90, 0)	0.018 (0, 0)	5823.192	3.19
1204	206	0.024 (0, 90)	0.022 (0, 0)	0.022 (90, 0)	6992.851	3.39
1204	304	0.010 (0, 90)	0.007 (90, 0)	0.007 (0, 0)	6940.683	1.38
1204	305	0.019 (0, 90)	0.018 (90, 0)	0.018 (0, 0)	6877.027	2.82
1204	306	0.029 (0, 76)	0.028 (90, 0)	0.028 (180, 14)	9808.982	2.96

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1204	405	0.013 (0, 90)	0.012 (90, 0)	0.012 (0, 0)	3994.087	3.25
1204	406	0.022 (19, 70)	0.019 (180, 19)	0.019 (272, 6)	6345.649	3.54
1204	5	0.018 (0, 80)	0.016 (180, 10)	0.015 (90, 0)	5260.444	3.38
1204	501	0.027 (48, 80)	0.024 (270, 7)	0.024 (179, 6)	12703.023	2.12
1204	505	0.023 (0, 90)	0.022 (90, 0)	0.022 (0, 0)	6052.763	3.79
1204	506	0.019 (0, 90)	0.018 (0, 0)	0.018 (90, 0)	4895.162	3.91
1204	904	0.006 (0, 90)	0.005 (0, 0)	0.005 (90, 0)	1021.001	6.27
1204	914	0.008 (0, 90)	0.003 (90, 0)	0.002 (0, 0)	23.684	317.11
1204	915	0.017 (0, 90)	0.016 (0, 0)	0.016 (90, 0)	3932.245	4.35
1204	GUAM	0.006 (0, 90)	0.006 (90, 0)	0.006 (0, 0)	6360.116	1.00
1204	NCS	0.012 (0, 90)	0.011 (0, 0)	0.011 (90, 0)	5867.188	2.07
1205	405	0.015 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	4485.724	3.44
1205	GUAM	0.012 (0, 90)	0.010 (90, 0)	0.010 (0, 0)	2171.422	5.68
1206	505	0.024 (0, 90)	0.023 (90, 0)	0.023 (0, 0)	7874.613	3.08
1206	GUAM	0.014 (0, 90)	0.012 (90, 0)	0.012 (0, 0)	7805.718	1.75
1207	GUAM	0.014 (0, 90)	0.013 (90, 0)	0.013 (0, 0)	12526.920	1.14
1207	GUUG	0.014 (0, 90)	0.013 (90, 0)	0.013 (0, 0)	6189.494	2.30
1208	1209	0.020 (0, 90)	0.019 (90, 0)	0.018 (0, 0)	7000.888	2.80
1208	1210	0.021 (0, 75)	0.019 (180, 15)	0.019 (90, 0)	4500.338	4.76
1208	1211	0.032 (0, 90)	0.031 (90, 0)	0.031 (0, 0)	7112.498	4.52
1208	1308	0.018 (0, 90)	0.017 (0, 0)	0.017 (90, 0)	6639.710	2.71
1208	1309	0.008 (0, 90)	0.006 (0, 0)	0.006 (90, 0)	1073.603	7.32
1208	1310	0.013 (0, 90)	0.012 (90, 0)	0.012 (0, 0)	2415.771	5.27
1208	1311	0.014 (0, 90)	0.011 (90, 0)	0.011 (0, 0)	2311.994	6.10
1208	1312	0.011 (0, 90)	0.010 (90, 0)	0.010 (0, 0)	1952.874	5.83
1208	1410	0.019 (0, 90)	0.018 (90, 0)	0.018 (0, 0)	5554.072	3.35

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1208	1508	0.018 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	5008.327	3.63
1208	1509	0.007 (0, 90)	0.004 (90, 0)	0.004 (0, 0)	540.794	13.62
1208	1510	0.016 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	3194.442	4.91
1208	1511	0.012 (0, 90)	0.010 (0, 0)	0.010 (90, 0)	1955.372	6.20
1208	1512	0.027 (0, 90)	0.026 (0, 0)	0.026 (90, 0)	5636.804	4.72
1208	1513	0.032 (0, 90)	0.031 (0, 0)	0.031 (90, 0)	7502.386	4.20
1208	1609	0.015 (0, 90)	0.015 (0, 0)	0.015 (90, 0)	6491.200	2.37
1208	1610	0.004 (0, 90)	0.002 (90, 0)	0.001 (0, 0)	31.262	137.78
1208	208	0.026 (0, 90)	0.025 (0, 0)	0.025 (90, 0)	11851.896	2.18
1208	209	0.016 (0, 90)	0.013 (90, 0)	0.013 (0, 0)	8522.605	1.85
1208	210	0.021 (0, 90)	0.020 (90, 0)	0.020 (0, 0)	6784.453	3.03
1208	309	0.014 (0, 90)	0.012 (90, 0)	0.012 (0, 0)	2836.288	4.77
1208	310	0.047 (180, 87)	0.046 (90, 0)	0.046 (0, 3)	14097.031	3.37
1208	311	0.050 (0, 90)	0.050 (90, 0)	0.050 (0, 0)	17400.617	2.88
1208	408	0.026 (0, 90)	0.026 (90, 0)	0.026 (0, 0)	11851.877	2.22
1208	409	0.017 (0, 90)	0.015 (0, 0)	0.014 (90, 0)	6476.692	2.70
1208	410	0.032 (180, 80)	0.029 (0, 10)	0.029 (90, 0)	9557.509	3.32
1208	508	0.023 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	9962.722	2.29
1208	509	0.021 (0, 71)	0.020 (180, 19)	0.019 (90, 0)	6571.885	3.25
1208	510	0.038 (90, 78)	0.036 (270, 12)	0.036 (0, 0)	10388.258	3.68
1208	7	0.014 (0, 90)	0.013 (0, 0)	0.013 (90, 0)	9362.307	1.50
1208	8	0.021 (0, 90)	0.020 (90, 0)	0.020 (0, 0)	6845.571	3.08
1208	905	0.014 (0, 90)	0.013 (0, 0)	0.013 (90, 0)	2838.577	4.76
1208	906	0.040 (0, 90)	0.039 (90, 0)	0.039 (0, 0)	8651.332	4.59
1208	916	0.014 (0, 90)	0.013 (90, 0)	0.013 (0, 0)	2726.669	5.20
1208	917	0.012 (0, 90)	0.010 (90, 0)	0.010 (0, 0)	2151.505	5.78

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1208	GUAM	0.007 (0, 90)	0.006 (90, 0)	0.006 (0, 0)	19209.057	0.34
1208	GUUG	0.007 (0, 90)	0.006 (90, 0)	0.006 (0, 0)	9411.062	0.70
1209	GUAM	0.019 (0, 90)	0.018 (90, 0)	0.018 (0, 0)	13810.896	1.39
1209	GUUG	0.019 (0, 90)	0.018 (90, 0)	0.018 (0, 0)	6074.031	3.17
1210	509	0.027 (0, 72)	0.024 (180, 18)	0.024 (90, 0)	7787.209	3.42
1210	GUAM	0.022 (0, 75)	0.020 (180, 15)	0.020 (90, 0)	23592.443	0.93
1210	GUUG	0.022 (0, 75)	0.020 (180, 15)	0.020 (90, 0)	12399.145	1.77
1211	311	0.057 (0, 90)	0.056 (90, 0)	0.056 (0, 0)	24501.367	2.31
1211	GUUG	0.033 (0, 90)	0.032 (90, 0)	0.032 (0, 0)	14721.565	2.21
1301	GUUG	0.061 (9, 77)	0.056 (180, 12)	0.056 (270, 2)	14906.167	4.10
1302	GUUG	0.054 (30, 76)	0.051 (248, 11)	0.051 (156, 9)	13503.729	3.97
1303	404	0.038 (142, 68)	0.038 (340, 21)	0.037 (247, 6)	8894.845	4.30
1303	GUAM	0.044 (90, 84)	0.042 (343, 2)	0.042 (253, 5)	36259.120	1.20
1304	5	0.019 (0, 79)	0.016 (180, 11)	0.016 (90, 0)	5395.642	3.48
1304	GUAM	0.011 (0, 78)	0.009 (180, 12)	0.008 (90, 0)	7207.877	1.51
1305	GUAM	0.016 (0, 90)	0.015 (90, 0)	0.015 (0, 0)	7769.955	2.02
1306	207	0.032 (90, 87)	0.028 (270, 3)	0.028 (0, 0)	5936.996	5.47
1306	GUAM	0.029 (21, 84)	0.022 (284, 1)	0.021 (194, 6)	10157.333	2.81
1307	407	0.025 (0, 90)	0.023 (90, 0)	0.023 (0, 0)	8932.879	2.75
1307	GUAM	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	9777.469	2.22
1307	GUUG	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	9370.748	2.32
1308	7	0.020 (0, 78)	0.019 (180, 12)	0.019 (90, 0)	6556.840	3.02
1308	GUAM	0.017 (0, 90)	0.017 (0, 0)	0.016 (90, 0)	15331.891	1.14
1308	GUUG	0.017 (0, 90)	0.017 (0, 0)	0.016 (90, 0)	4589.591	3.80
1309	409	0.018 (0, 90)	0.015 (0, 0)	0.015 (90, 0)	6910.331	2.67
1309	GUUG	0.010 (0, 90)	0.008 (0, 0)	0.008 (90, 0)	9982.329	1.01

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1310	GUUG	0.014 (0, 90)	0.013 (90, 0)	0.013 (0, 0)	11146.057	1.26
1311	GUUG	0.015 (0, 90)	0.013 (90, 0)	0.013 (0, 0)	9586.692	1.59
1312	8	0.023 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	7849.977	2.88
1312	GUUG	0.013 (0, 90)	0.011 (90, 0)	0.011 (0, 0)	8594.246	1.50
1401	GUAM	0.064 (0, 85)	0.057 (214, 4)	0.057 (124, 3)	35027.306	1.82
1401	GUUG	0.064 (0, 85)	0.057 (214, 4)	0.057 (124, 3)	16366.938	3.90
1402	GUUG	0.063 (0, 88)	0.054 (258, 0)	0.053 (168, 2)	15253.374	4.11
1403	GUUG	0.044 (32, 80)	0.035 (232, 9)	0.035 (142, 3)	7629.138	5.79
1404	GUAM	0.022 (0, 90)	0.021 (90, 0)	0.020 (0, 0)	30234.393	0.74
1405	205	0.021 (0, 90)	0.020 (90, 0)	0.020 (0, 0)	7277.019	2.85
1405	GUAM	0.014 (0, 90)	0.013 (90, 0)	0.013 (0, 0)	5269.903	2.63
1406	405	0.017 (0, 90)	0.015 (90, 0)	0.015 (0, 0)	5020.230	3.30
1406	GUAM	0.014 (0, 90)	0.012 (90, 0)	0.012 (0, 0)	3143.039	4.41
1407	GUAM	0.019 (0, 90)	0.018 (0, 0)	0.018 (90, 0)	7297.799	2.58
1408	306	0.028 (0, 75)	0.027 (90, 0)	0.027 (180, 15)	6992.186	4.06
1408	GUAM	0.015 (0, 90)	0.015 (90, 0)	0.015 (0, 0)	7896.793	1.95
1409	308	0.016 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	4731.706	3.36
1409	GUAM	0.015 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	11809.134	1.31
1409	GUUG	0.015 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	6877.456	2.25
1410	GUAM	0.018 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	15139.123	1.22
1410	GUUG	0.018 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	5867.292	3.14
1501	GUUG	0.071 (36, 87)	0.063 (270, 2)	0.062 (180, 2)	17117.775	4.13
1502	GUUG	0.053 (180, 87)	0.049 (90, 0)	0.049 (0, 3)	14326.360	3.66
1503	GUUG	0.035 (89, 87)	0.031 (242, 3)	0.030 (332, 2)	6941.621	5.01
1504	4	0.020 (90, 63)	0.015 (270, 27)	0.013 (0, 0)	2782.497	7.06
1504	GUAM	0.025 (90, 76)	0.022 (270, 14)	0.022 (0, 0)	30859.460	0.82

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1505	304	0.013 (0, 90)	0.009 (90, 0)	0.009 (0, 0)	8048.899	1.58
1505	GUAM	0.011 (0, 90)	0.008 (90, 0)	0.008 (0, 0)	7476.935	1.44
1506	GUAM	0.015 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	4185.379	3.48
1507	406	0.023 (19, 70)	0.019 (180, 19)	0.019 (272, 6)	4940.578	4.69
1507	GUAM	0.014 (25, 70)	0.012 (180, 18)	0.012 (273, 8)	8471.907	1.70
1508	508	0.026 (0, 90)	0.024 (90, 0)	0.024 (0, 0)	8444.943	3.07
1508	GUAM	0.018 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	16047.588	1.13
1508	GUUG	0.018 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	5495.285	3.30
1509	209	0.017 (0, 90)	0.014 (90, 0)	0.013 (0, 0)	8191.344	2.07
1509	GUUG	0.010 (0, 90)	0.007 (90, 0)	0.007 (0, 0)	8979.251	1.08
1510	210	0.023 (0, 90)	0.022 (90, 0)	0.022 (0, 0)	7178.141	3.20
1510	GUUG	0.017 (0, 90)	0.015 (90, 0)	0.015 (0, 0)	11465.167	1.45
1511	GUAM	0.014 (0, 90)	0.012 (0, 0)	0.012 (90, 0)	21099.254	0.65
1512	GUUG	0.027 (0, 90)	0.026 (0, 0)	0.026 (90, 0)	13628.171	1.99
1513	GUUG	0.032 (0, 90)	0.031 (0, 0)	0.031 (90, 0)	13051.520	2.44
1601	GUUG	0.067 (294, 87)	0.062 (90, 3)	0.062 (180, 1)	17109.469	3.90
1602	GUUG	0.072 (125, 86)	0.069 (239, 2)	0.068 (329, 4)	19501.762	3.68
1603	GUUG	0.060 (17, 68)	0.047 (180, 21)	0.046 (272, 6)	11554.384	5.22
1604	303	0.046 (90, 84)	0.043 (270, 6)	0.043 (0, 0)	11843.743	3.90
1604	GUAM	0.044 (90, 85)	0.042 (0, 0)	0.042 (270, 5)	39088.512	1.13
1605	305	0.020 (0, 90)	0.019 (90, 0)	0.019 (0, 0)	7543.767	2.70
1605	GUAM	0.010 (0, 90)	0.008 (90, 0)	0.008 (0, 0)	7461.724	1.40
1606	GUAM	0.017 (0, 90)	0.016 (90, 0)	0.016 (0, 0)	9219.592	1.87
1607	307	0.020 (0, 90)	0.018 (90, 0)	0.018 (0, 0)	7090.678	2.83
1607	407	0.022 (0, 90)	0.020 (90, 0)	0.020 (0, 0)	8282.167	2.70
1607	GUAM	0.019 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	10382.291	1.82

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1607	GUUG	0.019 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	8566.422	2.21
1608	507	0.015 (24, 72)	0.012 (180, 16)	0.012 (272, 7)	3443.724	4.29
1608	GUAM	0.015 (0, 77)	0.013 (180, 13)	0.013 (90, 0)	11806.451	1.26
1608	GUUG	0.015 (0, 77)	0.013 (180, 13)	0.013 (90, 0)	6882.848	2.16
1609	7	0.017 (0, 90)	0.016 (0, 0)	0.016 (90, 0)	5093.019	3.30
1609	GUUG	0.015 (0, 90)	0.014 (0, 0)	0.014 (90, 0)	3458.106	4.22
1610	GUUG	0.008 (0, 90)	0.006 (90, 0)	0.006 (0, 0)	9440.408	0.83
2	GUUG	0.076 (16, 71)	0.072 (180, 18)	0.072 (272, 5)	23439.792	3.22
201	GUAM	0.035 (180, 87)	0.031 (90, 0)	0.031 (0, 3)	6405.833	5.51
201	GUUG	0.035 (180, 87)	0.031 (90, 0)	0.031 (0, 3)	24078.607	1.47
202	GUAM	0.020 (62, 80)	0.011 (270, 8)	0.010 (179, 4)	1443.215	13.63
202	GUUG	0.020 (62, 80)	0.011 (270, 8)	0.010 (179, 4)	17361.575	1.13
203	GUUG	0.068 (270, 86)	0.067 (90, 4)	0.066 (0, 0)	22062.130	3.09
204	GUAM	0.068 (270, 88)	0.062 (166, 1)	0.061 (76, 2)	29652.222	2.30
205	GUAM	0.019 (0, 90)	0.018 (90, 0)	0.018 (0, 0)	5618.084	3.33
206	915	0.027 (0, 90)	0.026 (0, 0)	0.026 (90, 0)	10069.979	2.70
206	GUAM	0.024 (0, 90)	0.022 (0, 0)	0.022 (90, 0)	6758.537	3.52
207	GUAM	0.040 (35, 85)	0.034 (284, 2)	0.033 (194, 4)	14670.722	2.70
208	905	0.028 (0, 90)	0.027 (0, 0)	0.027 (90, 0)	10618.924	2.59
208	GUAM	0.026 (0, 90)	0.025 (0, 0)	0.025 (90, 0)	25241.484	1.01
208	GUUG	0.026 (0, 90)	0.025 (0, 0)	0.025 (90, 0)	6604.331	3.87
209	GUUG	0.015 (0, 90)	0.012 (90, 0)	0.012 (0, 0)	2467.170	6.07
210	GUUG	0.021 (0, 90)	0.020 (90, 0)	0.020 (0, 0)	5965.225	3.47
3	902	0.056 (0, 90)	0.056 (0, 0)	0.056 (90, 0)	13661.775	4.10
3	GUAM	0.050 (0, 90)	0.050 (0, 0)	0.050 (90, 0)	28743.387	1.75
301	GUAM	0.024 (0, 90)	0.022 (0, 0)	0.022 (90, 0)	4311.644	5.64

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
303	GUAM	0.044 (90, 85)	0.041 (270, 5)	0.041 (0, 0)	27637.966	1.58
304	GUAM	0.008 (0, 90)	0.004 (90, 0)	0.004 (0, 0)	678.298	11.07
305	GUAM	0.019 (0, 90)	0.018 (90, 0)	0.018 (0, 0)	4963.872	3.90
306	GUAM	0.029 (0, 76)	0.028 (90, 0)	0.028 (180, 14)	14434.297	2.04
307	GUAM	0.009 (0, 90)	0.007 (0, 0)	0.007 (90, 0)	17120.066	0.55
307	GUUG	0.009 (0, 90)	0.007 (0, 0)	0.007 (90, 0)	1573.494	6.01
308	GUAM	0.010 (0, 90)	0.009 (90, 0)	0.009 (0, 0)	16428.284	0.63
308	GUUG	0.010 (0, 90)	0.009 (90, 0)	0.009 (0, 0)	2419.307	4.28
309	GUUG	0.015 (0, 90)	0.013 (90, 0)	0.013 (0, 0)	6670.674	2.19
310	GUUG	0.047 (180, 87)	0.046 (90, 0)	0.046 (0, 3)	11913.765	3.98
311	GUUG	0.050 (0, 90)	0.050 (90, 0)	0.049 (0, 0)	13558.815	3.69
401	GUAM	0.028 (71, 85)	0.021 (270, 5)	0.020 (180, 2)	3916.494	7.15
402	GUUG	0.078 (102, 75)	0.075 (260, 14)	0.074 (351, 6)	22156.949	3.53
403	GUUG	0.077 (37, 79)	0.076 (219, 11)	0.075 (129, 0)	23348.953	3.30
405	GUAM	0.013 (0, 90)	0.012 (90, 0)	0.012 (0, 0)	4380.562	2.93
406	GUAM	0.023 (19, 71)	0.020 (180, 18)	0.020 (272, 6)	11122.182	2.07
407	GUUG	0.015 (0, 90)	0.012 (90, 0)	0.012 (0, 0)	2802.363	5.47
408	GUUG	0.026 (0, 90)	0.026 (90, 0)	0.026 (0, 0)	6603.085	3.95
409	GUUG	0.017 (0, 90)	0.014 (0, 0)	0.014 (90, 0)	3227.539	5.36
410	GUAM	0.032 (180, 80)	0.029 (0, 10)	0.028 (90, 0)	9893.889	3.18
410	GUUG	0.032 (180, 80)	0.029 (0, 10)	0.028 (90, 0)	9954.117	3.17
5	GUAM	0.018 (0, 80)	0.016 (180, 10)	0.016 (90, 0)	4825.477	3.71
501	GUAM	0.026 (48, 80)	0.024 (270, 7)	0.024 (179, 6)	6365.480	4.16
501	NCS	0.027 (47, 81)	0.025 (270, 7)	0.025 (179, 6)	8320.588	3.26
502	GUUG	0.072 (94, 75)	0.069 (261, 15)	0.068 (352, 3)	15880.981	4.55
504	GUAM	0.042 (0, 88)	0.037 (90, 0)	0.037 (180, 2)	27389.682	1.52

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
505	GUAM	0.023 (0, 90)	0.022 (90, 0)	0.022 (0, 0)	9434.655	2.48
506	GUAM	0.019 (0, 90)	0.018 (0, 0)	0.018 (90, 0)	10342.670	1.85
507	GUAM	0.011 (0, 72)	0.007 (180, 18)	0.007 (90, 0)	14490.563	0.74
507	GUUG	0.011 (0, 72)	0.007 (180, 18)	0.007 (90, 0)	4769.102	2.24
508	GUAM	0.022 (0, 90)	0.020 (90, 0)	0.020 (0, 0)	23502.682	0.95
508	GUUG	0.022 (0, 90)	0.020 (90, 0)	0.020 (0, 0)	5073.714	4.42
509	GUUG	0.021 (0, 71)	0.020 (180, 19)	0.019 (90, 0)	5487.656	3.89
510	GUUG	0.038 (90, 78)	0.036 (270, 12)	0.036 (0, 0)	9937.171	3.85
6	GUAM	0.011 (0, 90)	0.008 (0, 0)	0.008 (90, 0)	17211.357	0.61
6	GUUG	0.011 (0, 90)	0.008 (0, 0)	0.008 (90, 0)	1607.591	6.55
7	GUAM	0.013 (0, 90)	0.012 (0, 0)	0.012 (90, 0)	21398.503	0.60
7	GUUG	0.013 (0, 90)	0.012 (0, 0)	0.012 (90, 0)	2887.694	4.47
8	916	0.024 (0, 90)	0.023 (90, 0)	0.023 (0, 0)	9225.781	2.60
8	GUUG	0.021 (0, 90)	0.021 (90, 0)	0.020 (0, 0)	7800.918	2.75
9	GUAM	0.037 (12, 72)	0.033 (271, 4)	0.033 (180, 18)	10174.269	3.66
9	GUUG	0.037 (12, 72)	0.033 (271, 4)	0.033 (180, 18)	8632.747	4.32
901	GUUG	0.058 (0, 89)	0.054 (180, 1)	0.054 (90, 0)	14271.576	4.04
902	GUAM	0.061 (0, 90)	0.060 (0, 0)	0.060 (90, 0)	41761.066	1.45
903	GUAM	0.041 (0, 90)	0.038 (90, 0)	0.038 (0, 0)	34306.832	1.19
904	GUAM	0.009 (0, 90)	0.008 (0, 0)	0.008 (90, 0)	6792.705	1.30
905	GUAM	0.014 (0, 90)	0.014 (0, 0)	0.014 (90, 0)	17453.804	0.83
905	GUUG	0.014 (0, 90)	0.014 (0, 0)	0.014 (90, 0)	6918.276	2.09
906	GUUG	0.040 (0, 90)	0.039 (90, 0)	0.039 (0, 0)	16667.025	2.40
911	GUAM	0.064 (334, 86)	0.060 (90, 2)	0.060 (180, 3)	36619.186	1.74
911	GUUG	0.064 (334, 86)	0.060 (90, 2)	0.060 (180, 3)	17956.836	3.54
912	GUUG	0.040 (0, 87)	0.037 (90, 0)	0.036 (180, 3)	8741.927	4.52

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
914	GUAM	0.010 (0, 90)	0.007 (90, 0)	0.006 (0, 0)	6358.583	1.51
915	GUAM	0.018 (0, 90)	0.017 (0, 0)	0.017 (90, 0)	6344.034	2.77
916	GUUG	0.015 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	9849.018	1.56
917	GUUG	0.014 (0, 90)	0.012 (90, 0)	0.012 (0, 0)	7275.823	1.87
BEACH	GUUG	0.037 (0, 86)	0.036 (180, 4)	0.036 (90, 0)	18178.934	2.06
GGN_2205	GUUG	0.059 (254, 86)	0.054 (71, 4)	0.054 (161, 0)	14286.026	4.10
GUAM	NCS	0.011 (0, 90)	0.010 (0, 0)	0.010 (90, 0)	3048.411	3.58
GUAM	YIGO_GG	0.037 (129, 88)	0.030 (339, 2)	0.029 (249, 1)	6147.335	6.08
GUUG	NCS	0.011 (0, 90)	0.010 (0, 0)	0.010 (90, 0)	15974.719	0.68
GUUG	YIGO_GG	0.037 (129, 88)	0.030 (339, 2)	0.029 (249, 1)	14826.786	2.52

04:59:39, Thu Mar 22, 2012

11:32:07, Wed Mar 21, 2012

INI file: C:\WINNT\GEOLAB.INI
 Input file: Y:\1111105\GEOMAT~1\SURVEY\GEO\C_GUV04.IOB
 Output file: Y:\1111105\GEOMAT~1\SURVEY\GEO\C_GUV04.LST

Geoid File: C:\GEOLAB2\G2009G01.GEO

PARAMETERS		OBSERVATIONS	
Description	Number	Description	Number
No. of Stations	159	Directions	0
Coord Parameters	459	Distances	0
Free Latitudes	153	Azimuths	0
Free Longitudes	153	Vertical Angles	0
Free Heights	153	Zenithal Angles	0
Fixed Coordinates	18	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.	1233
Rotation Pars.	0		
Translation Pars.	0		
	-----		-----
Total Parameters	459	Total Observations	1233
Degrees of Freedom =		774	

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	1505284.184 0.005	268055.731 0.005	145.261 0.007	UTM 55
SFMC		1	1.00026553	0-30 16.461841	UTM 55	
NEO	000	10	1499671.948 0.021	267360.925 0.021	123.562 0.021	UTM 55
SFMC		10	1.00026953	0-30 14.849698	UTM 55	
NEO	000	1001	1505768.279 0.008	266566.529 0.008	149.041 0.011	UTM 55
SFMC		1001	1.00027410	0-30 28.723727	UTM 55	
NEO	000	1002	1467932.100 0.030	246974.476 0.030	2.130 0.032	UTM 55
SFMC		1002	1.00039205	0-32 10.427684	UTM 55	
NEO	000	1003	1483685.761 0.007	248373.114 0.007	29.418 0.008	UTM 55
SFMC		1003	1.00038331	0-32 21.124357	UTM 55	
NEO	000	1004	1495412.901 0.012	263670.541 0.012	70.026 0.012	UTM 55
SFMC		1004	1.00029094	0-30 38.179704	UTM 55	
NEO	000	1005	1489494.333 0.007	265602.468 0.007	111.966 0.007	UTM 55
SFMC		1005	1.00027969	0-30 15.683714	UTM 55	
NEO	000	1006	1494517.695 0.009	262291.672 0.009	2.867 0.010	UTM 55
SFMC		1006	1.00029903	0-30 47.746071	UTM 55	
NEO	000	101	1501092.891 0.007	267416.700 0.008	130.219 0.013	UTM 55
SFMC		101	1.00026921	0-30 16.198851	UTM 55	
NEO	000	1011	1508924.503 0.010	267776.978 0.009	148.053 0.010	UTM 55
SFMC		1011	1.00026713	0-30 23.208153	UTM 55	
NEO	000	1012	1468323.191 0.029	255972.764 0.029	2.653 0.029	UTM 55
SFMC		1012	1.00033671	0-31 2.361785	UTM 55	
NEO	000	1013	1467755.903 0.023	247367.390 0.023	4.615 0.024	UTM 55
SFMC		1013	1.00038959	0-32 7.193619	UTM 55	
NEO	000	1014	1482156.128 0.012	251943.766 0.012	149.833 0.014	UTM 55
SFMC		1014	1.00036123	0-31 51.563412	UTM 55	
NEO	000	1015	1496069.681 0.009	265667.382 0.009	98.413 0.010	UTM 55
SFMC		1015	1.00027931	0-30 23.493386	UTM 55	
NEO	000	1016	1491282.030 0.013	268215.235 0.013	27.996 0.014	UTM 55
SFMC		1016	1.00026462	0-29 57.698514	UTM 55	
NEO	000	1017	1489217.025 0.003	265449.634 0.003	105.872 0.003	UTM 55
SFMC		1017	1.00028058	0-30 16.515680	UTM 55	
NEO	000	1018	1491973.385 0.006	267550.759 0.006	135.546 0.007	UTM 55
SFMC		1018	1.00026844	0-30 3.714200	UTM 55	
NEO	000	1019	1482945.524	259657.233	8.059	UTM 55

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
			0.007	0.007	0.008	
SFMC		1019	1.00031462	0-30 53.204842	UTM 55	
NEO	000	1020	1484084.068	256565.926	92.888	UTM 55
			0.008	0.008	0.009	
SFMC		1020	1.00033312	0-31 18.510817	UTM 55	
NEO	000	103	1477728.997	256904.607	91.130	UTM 55
			0.022	0.022	0.022	
SFMC		103	1.00033109	0-31 7.573637	UTM 55	
NEO	000	104	1499608.486	266492.153	108.768	UTM 55
			0.007	0.007	0.007	
SFMC		104	1.00027454	0-30 21.540774	UTM 55	
NEO	000	105	1495887.346	265031.837	90.322	UTM 55
			0.009	0.009	0.010	
SFMC		105	1.00028300	0-30 28.203098	UTM 55	
NEO	000	106	1494903.696	266250.725	95.206	UTM 55
			0.009	0.009	0.010	
SFMC		106	1.00027594	0-30 17.487715	UTM 55	
NEO	000	107	1487877.454	262924.607	73.241	UTM 55
			0.004	0.004	0.004	
SFMC		107	1.00029532	0-30 34.339723	UTM 55	
NEO	000	108	1486521.333	260496.489	44.213	UTM 55
			0.004	0.004	0.004	
SFMC		108	1.00030963	0-30 51.357149	UTM 55	
NEO	000	109	1487308.484	258363.681	43.765	UTM 55
			0.006	0.006	0.007	
SFMC		109	1.00032233	0-31 8.852801	UTM 55	
NEO	000	110	1493943.856	259115.528	37.266	UTM 55
			0.009	0.009	0.009	
SFMC		110	1.00031784	0-31 11.664510	UTM 55	
NEO	000	1101	1471452.356	257495.693	93.508	UTM 55
			0.025	0.025	0.027	
SFMC		1101	1.00032754	0-30 54.837444	UTM 55	
NEO	000	1103	1476956.659	258376.820	12.994	UTM 55
			0.017	0.017	0.019	
SFMC		1103	1.00032226	0-30 55.269278	UTM 55	
NEO	000	1104	1494604.202	264393.735	65.965	UTM 55
			0.008	0.008	0.009	
SFMC		1104	1.00028672	0-30 31.532046	UTM 55	
NEO	000	1105	1493972.875	264203.426	57.765	UTM 55
			0.007	0.007	0.008	
SFMC		1105	1.00028783	0-30 32.206890	UTM 55	
NEO	000	1106	1490703.537	258169.797	38.714	UTM 55
			0.007	0.007	0.007	
SFMC		1106	1.00032349	0-31 14.778501	UTM 55	
NEO	000	1107	1491103.878	262727.398	85.225	UTM 55
			0.008	0.008	0.009	
SFMC		1107	1.00029647	0-30 39.992824	UTM 55	
NEO	000	1108	1490310.456	256915.945	3.256	UTM 55
			0.005	0.005	0.006	
SFMC		1108	1.00033101	0-31 23.973718	UTM 55	
NEO	000	1109	1490582.916	252993.737	3.497	UTM 55
			0.003	0.003	0.004	

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
SFMC		1109	1.00035479	0-31 54.703279	UTM 55	
NEO	000	111	1495780.543 0.014	263622.448 0.014	77.522 0.015	UTM 55
SFMC		111	1.00029122	0-30 39.022304	UTM 55	
NEO	000	1110	1489122.332 0.007	251501.961 0.007	92.918 0.007	UTM 55
SFMC		1110	1.00036394	0-32 4.297319	UTM 55	
NEO	000	1111	1491111.995 0.002	255084.222 0.002	2.707 0.003	UTM 55
SFMC		1111	1.00034207	0-31 39.214297	UTM 55	
NEO	000	1201	1485011.609 0.006	248347.311 0.006	2.447 0.007	UTM 55
SFMC		1201	1.00038347	0-32 23.121837	UTM 55	
NEO	000	1202	1475755.041 0.017	258170.241 0.017	43.844 0.018	UTM 55
SFMC		1202	1.00032350	0-30 55.288233	UTM 55	
NEO	000	1203	1470968.120 0.023	246510.665 0.023	44.241 0.024	UTM 55
SFMC		1203	1.00039496	0-32 18.106510	UTM 55	
NEO	000	1204	1497286.379 0.003	271379.394 0.003	127.516 0.003	UTM 55
SFMC		1204	1.00024660	0-29 40.586086	UTM 55	
NEO	000	1205	1502189.321 0.004	271209.192 0.004	174.833 0.005	UTM 55
SFMC		1205	1.00024756	0-29 47.965108	UTM 55	
NEO	000	1206	1496738.171 0.005	273557.748 0.005	166.302 0.006	UTM 55
SFMC		1206	1.00023433	0-29 22.965386	UTM 55	
NEO	000	1207	1492002.077 0.006	263969.215 0.006	123.821 0.006	UTM 55
SFMC		1207	1.00028920	0-30 31.515632	UTM 55	
NEO	000	1208	1491380.049 0.000	254296.369 0.001	10.404 0.002	UTM 55
SFMC		1208	1.00034685	0-31 45.672647	UTM 55	
NEO	000	1209	1492121.160 0.008	261259.789 0.008	76.652 0.008	UTM 55
SFMC		1209	1.00030511	0-30 52.672661	UTM 55	
NEO	000	1210	1489557.787 0.008	250179.754 0.008	3.495 0.009	UTM 55
SFMC		1210	1.00037209	0-32 15.111792	UTM 55	
NEO	000	1211	1488889.325 0.013	247631.532 0.014	2.608 0.014	UTM 55
SFMC		1211	1.00038793	0-32 33.919091	UTM 55	
NEO	000	1301	1471908.531 0.024	257525.419 0.024	93.267 0.026	UTM 55
SFMC		1301	1.00032736	0-30 55.206056	UTM 55	
NEO	000	1302	1473277.458 0.022	257852.435 0.022	96.687 0.023	UTM 55
SFMC		1302	1.00032540	0-30 54.492008	UTM 55	
NEO	000	1303	1474103.842 0.018	247856.668 0.018	227.743 0.019	UTM 55
SFMC		1303	1.00038653	0-32 12.085128	UTM 55	

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
NEO	000	1304	1496292.446 0.004	270977.512 0.004	126.333 0.005	UTM 55
SFMC		1304	1.00024887	0-29 42.484900	UTM 55	
NEO	000	1305	1497420.082 0.006	274414.529 0.006	243.173 0.007	UTM 55
SFMC		1305	1.00022954	0-29 17.130915	UTM 55	
NEO	000	1306	1493168.231 0.009	269833.391 0.010	153.406 0.012	UTM 55
SFMC		1306	1.00025537	0-29 47.501700	UTM 55	
NEO	000	1307	1495337.201 0.009	263698.574 0.009	66.924 0.009	UTM 55
SFMC		1307	1.00029078	0-30 37.865355	UTM 55	
NEO	000	1308	1490531.688 0.007	260883.469 0.007	70.510 0.008	UTM 55
SFMC		1308	1.00030734	0-30 53.540069	UTM 55	
NEO	000	1309	1490901.157 0.003	253335.118 0.003	2.149 0.004	UTM 55
SFMC		1309	1.00035271	0-31 52.483167	UTM 55	
NEO	000	1310	1490758.577 0.005	251961.058 0.005	2.417 0.006	UTM 55
SFMC		1310	1.00036112	0-32 2.934768	UTM 55	
NEO	000	1311	1489411.952 0.005	253091.647 0.005	165.442 0.006	UTM 55
SFMC		1311	1.00035420	0-31 52.385851	UTM 55	
NEO	000	1312	1489439.167 0.004	254169.614 0.004	192.228 0.005	UTM 55
SFMC		1312	1.00034763	0-31 44.081427	UTM 55	
NEO	000	1401	1470643.213 0.025	256702.655 0.025	49.126 0.027	UTM 55
SFMC		1401	1.00033231	0-30 59.836734	UTM 55	
NEO	000	1402	1472487.807 0.023	255203.897 0.023	77.947 0.027	UTM 55
SFMC		1402	1.00034136	0-31 13.713894	UTM 55	
NEO	000	1403	1479319.138 0.015	258596.349 0.015	8.910 0.019	UTM 55
SFMC		1403	1.00032095	0-30 56.658492	UTM 55	
NEO	000	1404	1483032.933 0.008	246920.042 0.008	1.874 0.009	UTM 55
SFMC		1404	1.00039238	0-32 31.430889	UTM 55	
NEO	000	1405	1499564.044 0.006	273054.556 0.006	174.179 0.006	UTM 55
SFMC		1405	1.00023715	0-29 30.340639	UTM 55	
NEO	000	1406	1501847.188 0.005	272131.899 0.005	182.340 0.006	UTM 55
SFMC		1406	1.00024234	0-29 40.339895	UTM 55	
NEO	000	1407	1499017.737 0.008	275252.128 0.008	158.905 0.008	UTM 55
SFMC		1407	1.00022487	0-29 12.550265	UTM 55	
NEO	000	1408	1495422.165 0.006	269093.969 0.006	118.214 0.007	UTM 55
SFMC		1408	1.00025959	0-29 56.046811	UTM 55	
NEO	000	1409	1492540.742	264514.892	138.506	UTM 55

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
			0.006	0.006	0.007	
SFMC		1409	1.00028602	0-30 27.969679	UTM 55	
NEO	000	1410	1491526.617	259850.000	63.923	UTM 55
			0.007	0.007	0.008	
SFMC		1410	1.00031347	0-31 2.831917	UTM 55	
NEO	000	1501	1469878.371	256617.865	4.724	UTM 55
			0.027	0.027	0.030	
SFMC		1501	1.00033282	0-30 59.481748	UTM 55	
NEO	000	1502	1473748.319	254829.522	83.523	UTM 55
			0.021	0.021	0.023	
SFMC		1502	1.00034363	0-31 18.241104	UTM 55	
NEO	000	1503	1480682.236	257751.949	92.776	UTM 55
			0.013	0.013	0.015	
SFMC		1503	1.00032600	0-31 4.925881	UTM 55	
NEO	000	1504	1481142.525	247877.765	63.772	UTM 55
			0.009	0.009	0.010	
SFMC		1504	1.00038640	0-32 21.485368	UTM 55	
NEO	000	1505	1496179.020	271585.811	134.032	UTM 55
			0.004	0.004	0.005	
SFMC		1505	1.00024543	0-29 37.614964	UTM 55	
NEO	000	1506	1500719.819	272636.305	185.293	UTM 55
			0.006	0.006	0.006	
SFMC		1506	1.00023950	0-29 35.018809	UTM 55	
NEO	000	1507	1495112.770	271475.190	146.239	UTM 55
			0.005	0.005	0.006	
SFMC		1507	1.00024606	0-29 37.160311	UTM 55	
NEO	000	1508	1490822.951	259274.946	61.963	UTM 55
			0.007	0.007	0.008	
SFMC		1508	1.00031689	0-31 6.374493	UTM 55	
NEO	000	1509	1490871.406	254480.505	4.891	UTM 55
			0.002	0.002	0.004	
SFMC		1509	1.00034573	0-31 43.572411	UTM 55	
NEO	000	1510	1490132.451	251354.441	1.428	UTM 55
			0.006	0.006	0.007	
SFMC		1510	1.00036485	0-32 6.792957	UTM 55	
NEO	000	1511	1490620.656	252493.772	1.965	UTM 55
			0.004	0.004	0.005	
SFMC		1511	1.00035785	0-31 58.625121	UTM 55	
NEO	000	1512	1489651.055	248929.193	4.093	UTM 55
			0.011	0.011	0.012	
SFMC		1512	1.00037984	0-32 24.914453	UTM 55	
NEO	000	1513	1486026.795	249036.318	10.908	UTM 55
			0.013	0.013	0.014	
SFMC		1513	1.00037918	0-32 19.181031	UTM 55	
NEO	000	1601	1469886.526	256619.685	4.591	UTM 55
			0.027	0.027	0.029	
SFMC		1601	1.00033281	0-30 59.478546	UTM 55	
NEO	000	1602	1467895.492	255088.401	2.881	UTM 55
			0.029	0.029	0.031	
SFMC		1602	1.00034206	0-31 8.540084	UTM 55	
NEO	000	1603	1475434.582	257645.312	2.204	UTM 55
			0.021	0.020	0.025	

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
SFMC		1603	1.00032664	0-30 58.892943	UTM 55	
NEO	000	1604	1471313.364 0.018	246889.015 0.018	3.567 0.019	UTM 55
SFMC		1604	1.00039258	0-32 15.687558	UTM 55	
NEO	000	1605	1496161.401 0.004	271475.813 0.004	133.018 0.005	UTM 55
SFMC		1605	1.00024605	0-29 38.448515	UTM 55	
NEO	000	1606	1494214.049 0.007	270830.668 0.007	167.026 0.007	UTM 55
SFMC		1606	1.00024971	0-29 41.056769	UTM 55	
NEO	000	1607	1494478.169 0.007	263901.128 0.007	55.513 0.008	UTM 55
SFMC		1607	1.00028960	0-30 35.197209	UTM 55	
NEO	000	1608	1492560.110 0.006	264478.477 0.006	135.584 0.006	UTM 55
SFMC		1608	1.00028623	0-30 28.276687	UTM 55	
NEO	000	1609	1489107.333 0.006	260378.887 0.006	18.538 0.006	UTM 55
SFMC		1609	1.00031033	0-30 55.606790	UTM 55	
NEO	111	1610	1491387.577 0.000	254266.019 0.000	10.752 0.000	UTM 55
SFMC		1610	1.00034704	0-31 45.917772	UTM 55	
NEO	000	2	1467291.928 0.031	248093.974 0.031	2.220 0.032	UTM 55
SFMC		2	1.00038506	0-32 1.027683	UTM 55	
NEO	000	201	1509516.109 0.014	267739.350 0.014	20.850 0.015	UTM 55
SFMC		201	1.00026734	0-30 24.245463	UTM 55	
NEO	000	202	1502316.266 0.004	268312.039 0.005	142.895 0.008	UTM 55
SFMC		202	1.00026406	0-30 10.743878	UTM 55	
NEO	000	203	1468783.255 0.029	248413.745 0.029	110.033 0.029	UTM 55
SFMC		203	1.00038307	0-32 0.611950	UTM 55	
NEO	000	204	1476003.165 0.027	257789.975 0.026	80.074 0.029	UTM 55
SFMC		204	1.00032577	0-30 58.526431	UTM 55	
NEO	000	205	1498961.996 0.008	265801.076 0.008	113.959 0.008	UTM 55
SFMC		205	1.00027854	0-30 26.109447	UTM 55	
NEO	000	206	1498600.623 0.010	264509.514 0.010	95.852 0.010	UTM 55
SFMC		206	1.00028604	0-30 35.711209	UTM 55	
NEO	000	207	1489173.724 0.014	265439.488 0.015	105.247 0.017	UTM 55
SFMC		207	1.00028064	0-30 16.539408	UTM 55	
NEO	000	208	1480397.408 0.011	258761.741 0.011	9.470 0.011	UTM 55
SFMC		208	1.00031996	0-30 56.789567	UTM 55	
NEO	000	209	1488557.900 0.005	262340.674 0.005	73.588 0.006	UTM 55
SFMC		209	1.00029875	0-30 39.725514	UTM 55	

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
NEO	000	210	1484882.159 0.008	256251.093 0.008	131.791 0.009	UTM 55
SFMC		210	1.00033502	0-31 21.986541	UTM 55	
NEO	000	3	1477394.360 0.021	256916.422 0.021	88.164 0.022	UTM 55
SFMC		3	1.00033102	0-31 7.044653	UTM 55	
NEO	000	301	1506564.691 0.009	266515.998 0.009	135.965 0.010	UTM 55
SFMC		301	1.00027440	0-30 30.123338	UTM 55	
NEO	000	303	1479324.918 0.017	255617.025 0.017	98.467 0.019	UTM 55
SFMC		303	1.00033885	0-31 19.556967	UTM 55	
NEO	000	304	1503741.054 0.002	268823.725 0.002	146.222 0.003	UTM 55
SFMC		304	1.00026113	0-30 8.526736	UTM 55	
NEO	000	305	1500472.547 0.008	265283.169 0.008	110.373 0.008	UTM 55
SFMC		305	1.00028154	0-30 32.057505	UTM 55	
NEO	000	306	1489385.051 0.012	265563.014 0.012	110.898 0.013	UTM 55
SFMC		306	1.00027992	0-30 15.850867	UTM 55	
NEO	000	307	1487457.765 0.003	262892.169 0.003	88.650 0.004	UTM 55
SFMC		307	1.00029551	0-30 34.053856	UTM 55	
NEO	000	308	1487871.404 0.004	263743.231 0.004	87.991 0.004	UTM 55
SFMC		308	1.00029052	0-30 28.004122	UTM 55	
NEO	000	309	1490336.255 0.005	256934.599 0.005	3.500 0.006	UTM 55
SFMC		309	1.00033090	0-31 23.863107	UTM 55	
NEO	000	310	1496817.932 0.020	267306.360 0.020	115.811 0.020	UTM 55
SFMC		310	1.00026984	0-30 11.690904	UTM 55	
NEO	000	311	1496348.505 0.021	270977.242 0.021	125.045 0.022	UTM 55
SFMC		311	1.00024887	0-29 42.556283	UTM 55	
NEO	000	4	1483074.220 0.008	249881.738 0.008	86.266 0.009	UTM 55
SFMC		4	1.00037394	0-32 8.674449	UTM 55	
NEO	000	401	1505941.491 0.009	266445.082 0.009	145.551 0.012	UTM 55
SFMC		401	1.00027481	0-30 29.892700	UTM 55	
NEO	000	402	1466020.479 0.032	252714.070 0.032	1.867 0.034	UTM 55
SFMC		402	1.00035652	0-31 24.139597	UTM 55	
NEO	000	403	1465788.458 0.033	250565.567 0.032	1.705 0.033	UTM 55
SFMC		403	1.00036973	0-31 40.180646	UTM 55	
NEO	000	404	1480385.787 0.016	254156.903 0.016	104.629 0.016	UTM 55
SFMC		404	1.00034771	0-31 32.180689	UTM 55	
NEO	000	405	1499193.786	267869.160	133.556	UTM 55

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
			0.005	0.005	0.006	
SFMC		405	1.00026660	0-30 10.289498	UTM 55	
NEO	000	406	1492370.958	267363.893	136.268	UTM 55
			0.009	0.009	0.010	
SFMC		406	1.00026951	0-30 5.661777	UTM 55	
NEO	000	407	1487394.931	259604.507	35.897	UTM 55
			0.005	0.005	0.007	
SFMC		407	1.00031493	0-30 59.377685	UTM 55	
NEO	000	408	1480398.014	258763.179	9.378	UTM 55
			0.011	0.011	0.011	
SFMC		408	1.00031995	0-30 56.779298	UTM 55	
NEO	000	409	1486881.799	258958.927	34.807	UTM 55
			0.006	0.006	0.007	
SFMC		409	1.00031878	0-31 3.699116	UTM 55	
NEO	000	410	1496044.174	262641.949	19.643	UTM 55
			0.012	0.012	0.014	
SFMC		410	1.00029697	0-30 46.980862	UTM 55	
NEO	000	5	1499384.333	266554.096	110.751	UTM 55
			0.007	0.007	0.008	
SFMC		5	1.00027418	0-30 20.775594	UTM 55	
NEO	000	501	1509548.175	268049.762	66.098	UTM 55
			0.010	0.010	0.011	
SFMC		501	1.00026556	0-30 21.849826	UTM 55	
NEO	000	502	1501015.593	267563.218	128.644	UTM 55
			0.029	0.030	0.031	
SFMC		502	1.00026836	0-30 14.958800	UTM 55	
NEO	000	504	1480795.498	253751.250	128.039	UTM 55
			0.016	0.016	0.018	
SFMC		504	1.00035018	0-31 35.843362	UTM 55	
NEO	000	505	1494492.111	266008.695	97.803	UTM 55
			0.010	0.010	0.010	
SFMC		505	1.00027734	0-30 18.848205	UTM 55	
NEO	000	506	1492975.667	269057.566	141.237	UTM 55
			0.008	0.008	0.008	
SFMC		506	1.00025980	0-29 53.281413	UTM 55	
NEO	000	507	1489310.924	265621.888	109.635	UTM 55
			0.003	0.003	0.005	
SFMC		507	1.00027958	0-30 15.301586	UTM 55	
NEO	000	508	1482400.938	258619.658	70.394	UTM 55
			0.009	0.009	0.010	
SFMC		508	1.00032080	0-31 0.488667	UTM 55	
NEO	000	509	1485250.161	256669.153	118.294	UTM 55
			0.008	0.008	0.009	
SFMC		509	1.00033250	0-31 19.244757	UTM 55	
NEO	000	510	1495920.735	263642.953	80.780	UTM 55
			0.016	0.016	0.016	
SFMC		510	1.00029110	0-30 39.041722	UTM 55	
NEO	000	6	1487710.536	262084.584	57.817	UTM 55
			0.004	0.003	0.005	
SFMC		6	1.00030025	0-30 40.618825	UTM 55	
NEO	000	7	1484021.260	260088.882	63.032	UTM 55
			0.005	0.005	0.006	

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
SFMC		7	1.00031205	0-30 51.271075	UTM 55	
NEO	000	8	1493781.970 0.009	260709.043 0.009	3.669 0.009	UTM 55
SFMC		8	1.00030837	0-30 59.086214	UTM 55	
NEO	000	9	1493568.753 0.015	266430.011 0.014	82.570 0.016	UTM 55
SFMC		9	1.00027490	0-30 14.412792	UTM 55	
NEO	000	901	1472525.013 0.023	257682.174 0.023	104.869 0.025	UTM 55
SFMC		901	1.00032642	0-30 54.812527	UTM 55	
NEO	000	902	1468079.724 0.026	246916.231 0.026	4.952 0.026	UTM 55
SFMC		902	1.00039242	0-32 11.072728	UTM 55	
NEO	000	903	1478688.782 0.016	245454.290 0.016	2.139 0.017	UTM 55
SFMC		903	1.00040159	0-32 36.760942	UTM 55	
NEO	000	904	1497243.769 0.003	272399.719 0.003	131.080 0.004	UTM 55
SFMC		904	1.00024084	0-29 32.594173	UTM 55	
NEO	000	905	1490887.752 0.006	257092.864 0.006	2.455 0.006	UTM 55
SFMC		905	1.00032995	0-31 23.360256	UTM 55	
NEO	000	906	1489687.036 0.017	245809.108 0.017	2.720 0.017	UTM 55
SFMC		906	1.00039935	0-32 49.106729	UTM 55	
NEO	000	911	1469172.520 0.026	256090.943 0.026	1.874 0.027	UTM 55
SFMC		911	1.00033600	0-31 2.576293	UTM 55	
NEO	000	912	1478111.251 0.016	258542.165 0.016	7.417 0.017	UTM 55
SFMC		912	1.00032127	0-30 55.503149	UTM 55	
NEO	000	914	1497280.346 0.003	271356.489 0.003	127.126 0.004	UTM 55
SFMC		914	1.00024673	0-29 40.756875	UTM 55	
NEO	000	915	1499643.883 0.007	274527.422 0.007	159.759 0.008	UTM 55
SFMC		915	1.00022891	0-29 18.958464	UTM 55	
NEO	000	916	1489155.995 0.006	252725.221 0.006	167.463 0.006	UTM 55
SFMC		916	1.00035644	0-31 54.879632	UTM 55	
NEO	000	917	1490371.421 0.004	256197.098 0.005	53.976 0.006	UTM 55
SFMC		917	1.00033534	0-31 29.619468	UTM 55	
NEO	111	BEACH	1478657.878 0.000	245500.540 0.000	1.858 0.000	UTM 55
SFMC		BEACH	1.00040130	0-32 36.363422	UTM 55	
NEO	111	GGN_2205	1472504.646 0.000	257698.025 0.000	104.971 0.000	UTM 55
SFMC		GGN_2205	1.00032633	0-30 54.664739	UTM 55	
NEO	111	GUAM	1503316.476 0.000	269352.905 0.000	145.398 0.000	UTM 55
SFMC		GUAM	1.00025811	0-30 3.861975	UTM 55	

Adjusted NEO Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	O-HEIGHT STD DEV	MAPPROJ
NEO	111	GUUG	1486102.645 0.000	262091.669 0.000	78.863 0.000	UTM 55
SFMC		GUUG	1.00030021	0-30 38.501414	UTM 55	
NEO	000	NCS	1501282.343 0.004	267081.493 0.004	133.099 0.005	UTM 55
SFMC		NCS	1.00027114	0-30 19.052172	UTM 55	
NEO	111	YIGO_GG	1497558.469 0.000	271509.806 0.000	140.779 0.000	UTM 55
SFMC		YIGO_GG	1.00024586	0-29 39.906811	UTM 55	

Adjusted PLH Coordinates:

CODE	FFF	STATION		LATITUDE STD DEV	LONGITUDE STD DEV	ELIP-HEIGHT STD DEV
PLH	000	1	N 13 36	25.19465 0.005	E144 51 22.41406 0.005	199.965 0.007
PLH	000	10	N 13 33	22.43351 0.021	E144 51 0.95226 0.021	178.102 0.021
PLH	000	1001	N 13 36	40.51378 0.008	E144 50 32.74525 0.008	203.809 0.011
PLH	000	1002	N 13 16	3.98882 0.030	E144 39 53.13390 0.030	55.335 0.032
PLH	000	1003	N 13 24	36.81714 0.007	E144 40 34.67968 0.007	83.704 0.008
PLH	000	1004	N 13 31	2.82794 0.012	E144 48 59.51309 0.012	124.444 0.012
PLH	000	1005	N 13 27	50.85974 0.007	E144 50 5.47318 0.007	165.881 0.007
PLH	000	1006	N 13 30	33.30739 0.009	E144 48 13.94136 0.009	57.273 0.010
PLH	000	101	N 13 34	8.67178 0.007	E144 51 2.39095 0.008	184.820 0.013
PLH	000	1011	N 13 38	23.53145 0.010	E144 51 12.07470 0.009	202.829 0.010
PLH	000	1012	N 13 16	19.40080 0.029	E144 44 51.82204 0.029	55.563 0.029
PLH	000	1013	N 13 15	58.37736 0.023	E144 40 6.23565 0.023	57.802 0.024
PLH	000	1014	N 13 23	48.14864 0.012	E144 42 33.78952 0.012	204.065 0.014
PLH	000	1015	N 13 31	24.76882 0.009	E144 50 5.70278 0.009	152.801 0.010
PLH	000	1016	N 13 28	49.75704 0.013	E144 51 31.79604 0.013	81.849 0.014
PLH	000	1017	N 13 27	41.79537 0.003	E144 50 0.47469 0.003	159.779 0.003
PLH	000	1018	N 13 29	12.05782 0.006	E144 51 9.50834 0.006	189.504 0.007
PLH	000	1019	N 13 24	16.11543 0.007	E144 46 49.83702 0.007	61.919 0.008
PLH	000	1020	N 13 24	52.24020 0.008	E144 45 6.77807 0.008	147.031 0.009
PLH	000	103	N 13 21	25.62481 0.022	E144 45 19.94781 0.022	144.816 0.022
PLH	000	104	N 13 33	20.12003 0.007	E144 50 32.08450 0.007	163.345 0.007
PLH	000	105	N 13 31	18.65462 0.009	E144 49 44.62795 0.009	144.728 0.010
PLH	000	106	N 13 30	47.00781 0.009	E144 50 25.43772 0.009	149.485 0.010
PLH	000	107	N 13 26	57.49359 0.004	E144 48 36.94897 0.004	127.231 0.004
PLH	000	108	N 13 26	12.67532 0.004	E144 47 16.65804 0.004	98.270 0.004
PLH	000	109	N 13 26	37.65415 0.006	E144 46 5.54441 0.006	97.998 0.007

Adjusted PLH Coordinates:

CODE	FFF	STATION		LATITUDE STD DEV	LONGITUDE STD DEV	ELIP-HEIGHT STD DEV
PLH	000	110	N 13 30	13.70998 0.009	E144 46 28.53351 0.009	91.696 0.009
PLH	000	1101	N 13 18	1.63242 0.025	E144 45 41.46284 0.025	146.626 0.027
PLH	000	1103	N 13 21	0.93444 0.017	E144 46 9.08606 0.017	66.506 0.019
PLH	000	1104	N 13 30	36.73122 0.008	E144 49 23.79354 0.008	120.308 0.009
PLH	000	1105	N 13 30	16.13991 0.007	E144 49 17.65361 0.007	112.073 0.008
PLH	000	1106	N 13 28	28.03033 0.007	E144 45 58.07681 0.007	93.063 0.007
PLH	000	1107	N 13 28	42.38770 0.008	E144 48 29.43936 0.008	139.435 0.009
PLH	000	1108	N 13 28	14.87274 0.005	E144 45 16.52262 0.005	57.613 0.006
PLH	000	1109	N 13 28	22.56028 0.003	E144 43 6.08264 0.003	57.885 0.004
PLH	000	111	N 13 31	14.77290 0.014	E144 48 57.80536 0.014	131.962 0.015
PLH	000	1110	N 13 27	34.60106 0.007	E144 42 16.95643 0.007	147.309 0.007
PLH	000	1111	N 13 28	40.39819 0.002	E144 44 15.39901 0.002	57.083 0.003
PLH	000	1201	N 13 25	19.93348 0.006	E144 40 33.40752 0.006	56.759 0.007
PLH	000	1202	N 13 20	21.78769 0.017	E144 46 2.58282 0.017	97.274 0.018
PLH	000	1203	N 13 17	42.59640 0.023	E144 39 36.78635 0.023	97.743 0.024
PLH	000	1204	N 13 32	5.97090 0.003	E144 53 15.25243 0.003	181.680 0.003
PLH	000	1205	N 13 34	45.41612 0.004	E144 53 8.18282 0.004	229.278 0.005
PLH	000	1206	N 13 31	48.74621 0.005	E144 54 27.83382 0.005	220.254 0.006
PLH	000	1207	N 13 29	11.96449 0.006	E144 49 10.45010 0.006	178.020 0.006
PLH	000	1208	N 13 28	48.88081 0.000	E144 43 49.13140 0.001	64.785 0.002
PLH	000	1209	N 13 29	15.05097 0.008	E144 47 40.35553 0.008	130.980 0.008
PLH	000	1210	N 13 27	48.36239 0.008	E144 41 32.87987 0.008	57.877 0.009
PLH	000	1211	N 13 27	25.83876 0.013	E144 40 8.40520 0.014	56.895 0.014
PLH	000	1301	N 13 18	16.47957 0.024	E144 45 42.31386 0.024	146.421 0.026
PLH	000	1302	N 13 19	1.10376 0.022	E144 45 52.76651 0.022	149.936 0.023
PLH	000	1303	N 13 19	24.99909 0.018	E144 40 20.51220 0.018	281.515 0.019

Adjusted PLH Coordinates:

CODE	FFF	STATION			LATITUDE STD DEV			LONGITUDE STD DEV	ELIP-HEIGHT STD DEV	
PLH	000	1304	N	13	31	33.52522	E144	53	2.17650	180.458
						0.004			0.004	0.005
PLH	000	1305	N	13	32	11.16707	E144	54	56.12655	297.100
						0.006			0.006	0.007
PLH	000	1306	N	13	29	51.57231	E144	52	25.03991	207.300
						0.009			0.010	0.012
PLH	000	1307	N	13	31	0.37363	E144	49	0.46744	121.336
						0.009			0.009	0.009
PLH	000	1308	N	13	28	23.23822	E144	47	28.32207	124.772
						0.007			0.007	0.008
PLH	000	1309	N	13	28	33.01460	E144	43	17.33048	56.531
						0.003			0.003	0.004
PLH	000	1310	N	13	28	27.96143	E144	42	31.70698	56.808
						0.005			0.005	0.006
PLH	000	1311	N	13	27	44.50229	E144	43	9.69765	219.832
						0.005			0.005	0.006
PLH	000	1312	N	13	27	45.71188	E144	43	45.51440	246.609
						0.004			0.004	0.005
PLH	000	1401	N	13	17	35.08036	E144	45	15.36644	102.231
						0.025			0.025	0.027
PLH	000	1402	N	13	18	34.63953	E144	44	25.03466	131.335
						0.023			0.023	0.027
PLH	000	1403	N	13	22	17.84558	E144	46	15.67283	62.588
						0.015			0.015	0.019
PLH	000	1404	N	13	24	15.13751	E144	39	46.60596	56.071
						0.008			0.008	0.009
PLH	000	1405	N	13	33	20.53311	E144	54	10.29837	228.363
						0.006			0.006	0.006
PLH	000	1406	N	13	34	34.54614	E144	53	38.96457	236.711
						0.005			0.005	0.006
PLH	000	1407	N	13	33	3.37190	E144	55	23.52434	212.857
						0.008			0.008	0.008
PLH	000	1408	N	13	31	4.68350	E144	51	59.80805	172.373
						0.006			0.006	0.007
PLH	000	1409	N	13	29	29.64413	E144	49	28.42947	192.709
						0.006			0.006	0.007
PLH	000	1410	N	13	28	55.29856	E144	46	53.67429	118.266
						0.007			0.007	0.008
PLH	000	1501	N	13	17	10.17679	E144	45	12.77952	57.746
						0.027			0.027	0.030
PLH	000	1502	N	13	19	15.53004	E144	44	12.21935	137.038
						0.021			0.021	0.023
PLH	000	1503	N	13	23	1.93655	E144	45	47.21056	146.623
						0.013			0.013	0.015
PLH	000	1504	N	13	23	13.94473	E144	40	19.01748	117.929
						0.009			0.009	0.010
PLH	000	1505	N	13	31	30.00621	E144	53	22.43271	188.104
						0.004			0.004	0.005
PLH	000	1506	N	13	33	58.01395	E144	53	56.06059	239.573
						0.006			0.006	0.006
PLH	000	1507	N	13	30	55.28985	E144	53	19.06052	200.202
						0.005			0.005	0.006

Adjusted PLH Coordinates:

CODE	FFF	STATION			LATITUDE STD DEV		LONGITUDE STD DEV	ELIP-HEIGHT STD DEV
PLH	000	1508	N	13 28	32.24062	E144 46	34.77237	116.304
					0.007		0.007	0.008
PLH	000	1509	N	13 28	32.39154	E144 43	55.40749	59.267
					0.002		0.002	0.004
PLH	000	1510	N	13 28	7.41171	E144 42	11.74039	55.810
					0.006		0.006	0.007
PLH	000	1511	N	13 28	23.63671	E144 42	49.45454	56.355
					0.004		0.004	0.005
PLH	000	1512	N	13 27	51.01344	E144 40	51.29053	58.437
					0.011		0.011	0.012
PLH	000	1513	N	13 25	53.16418	E144 40	55.98438	65.252
					0.013		0.013	0.014
PLH	000	1601	N	13 17	10.44260	E144 45	12.83752	57.613
					0.027		0.027	0.029
PLH	000	1602	N	13 16	5.22858	E144 44	22.58252	55.810
					0.029		0.029	0.031
PLH	000	1603	N	13 20	11.21004	E144 45	45.24167	55.652
					0.021		0.020	0.025
PLH	000	1604	N	13 17	53.94129	E144 39	49.24358	57.102
					0.018		0.018	0.019
PLH	000	1605	N	13 31	29.40223	E144 53	18.78075	187.075
					0.004		0.004	0.005
PLH	000	1606	N	13 30	25.87344	E144 52	57.89157	220.949
					0.007		0.007	0.007
PLH	000	1607	N	13 30	32.48907	E144 49	7.45522	109.868
					0.007		0.007	0.008
PLH	000	1608	N	13 29	30.26365	E144 49	27.21333	189.788
					0.006		0.006	0.006
PLH	000	1609	N	13 27	36.75894	E144 47	11.97744	72.762
					0.006		0.006	0.006
PLH	111	1610	N	13 28	49.11653	E144 43	48.12036	65.134
					0.000		0.000	0.000
PLH	000	2	N	13 15	43.50655	E144 40	30.50602	55.387
					0.031		0.031	0.032
PLH	000	201	N	13 38	42.76505	E144 51	10.64914	75.629
					0.014		0.014	0.015
PLH	000	202	N	13 34	48.72347	E144 51	31.80546	197.514
					0.004		0.005	0.008
PLH	000	203	N	13 16	32.11056	E144 40	40.66325	163.360
					0.029		0.029	0.029
PLH	000	204	N	13 20	29.74729	E144 45	49.87688	133.559
					0.027		0.026	0.029
PLH	000	205	N	13 32	58.89154	E144 50	9.29693	168.519
					0.008		0.008	0.008
PLH	000	206	N	13 32	46.76354	E144 49	26.46153	150.425
					0.010		0.010	0.010
PLH	000	207	N	13 27	40.38391	E144 50	0.15014	159.149
					0.014		0.015	0.017
PLH	000	208	N	13 22	52.96804	E144 46	20.84521	63.215
					0.011		0.011	0.011
PLH	000	209	N	13 27	19.45840	E144 48	17.34085	127.661
					0.005		0.005	0.006

Adjusted PLH Coordinates:

CODE	FFF	STATION		LATITUDE STD DEV	LONGITUDE STD DEV	ELIP-HEIGHT STD DEV
PLH	000	210	N 13 25	18.10672 0.008	E144 44 56.07492 0.008	185.991 0.009
PLH	000	3	N 13 21	14.74329 0.021	E144 45 20.44094 0.021	141.825 0.022
PLH	000	301	N 13 37	6.40570 0.009	E144 50 30.82978 0.009	190.746 0.010
PLH	000	303	N 13 22	17.15584 0.017	E144 44 36.69141 0.017	152.368 0.019
PLH	000	304	N 13 35	35.21707 0.002	E144 51 48.40550 0.002	200.862 0.003
PLH	000	305	N 13 33	47.87876 0.008	E144 49 51.63143 0.008	165.011 0.008
PLH	000	306	N 13 27	47.29357 0.012	E144 50 4.19385 0.012	164.807 0.013
PLH	000	307	N 13 26	43.83226 0.003	E144 48 35.99496 0.003	142.615 0.004
PLH	000	308	N 13 26	57.53318 0.004	E144 49 4.15701 0.004	141.921 0.004
PLH	000	309	N 13 28	15.71746 0.005	E144 45 17.13479 0.005	57.857 0.006
PLH	000	310	N 13 31	49.57865 0.020	E144 50 59.97227 0.020	170.190 0.020
PLH	000	311	N 13 31	35.34875 0.021	E144 53 2.15140 0.021	179.172 0.022
PLH	000	4	N 13 24	17.38646 0.008	E144 41 24.99494 0.008	140.533 0.009
PLH	000	401	N 13 36	46.11315 0.009	E144 50 28.65515 0.009	200.304 0.012
PLH	000	402	N 13 15	3.53671 0.032	E144 43 4.30627 0.032	54.751 0.034
PLH	000	403	N 13 14	55.34870 0.033	E144 41 53.03700 0.032	54.649 0.033
PLH	000	404	N 13 22	51.22878 0.016	E144 43 47.86046 0.016	158.678 0.016
PLH	000	405	N 13 33	7.02450 0.005	E144 51 17.99053 0.005	188.052 0.006
PLH	000	406	N 13 29	24.93751 0.009	E144 51 3.18121 0.009	190.275 0.010
PLH	000	407	N 13 26	40.83087 0.005	E144 46 46.75429 0.005	90.078 0.007
PLH	000	408	N 13 22	52.98815 0.011	E144 46 20.89279 0.011	63.123 0.011
PLH	000	409	N 13 26	23.95019 0.006	E144 46 25.45402 0.006	88.977 0.007
PLH	000	410	N 13 31	23.06343 0.012	E144 48 25.13117 0.012	74.116 0.014
PLH	000	5	N 13 33	12.84632 0.007	E144 50 34.20989 0.007	165.316 0.008
PLH	000	501	N 13 38	43.89737 0.010	E144 51 20.96475 0.010	120.870 0.011
PLH	000	502	N 13 34	6.19928 0.029	E144 51 7.28552 0.030	183.235 0.031

Adjusted PLH Coordinates:

CODE	FFF	STATION		LATITUDE STD DEV	LONGITUDE STD DEV	ELIP-HEIGHT STD DEV
PLH	000	504	N 13 23	4.43432 0.016	E144 43 34.25845 0.016	182.135 0.018
PLH	000	505	N 13 30	33.54988 0.010	E144 50 17.51245 0.010	152.065 0.010
PLH	000	506	N 13 29	45.08914 0.008	E144 51 59.30554 0.008	195.172 0.008
PLH	000	507	N 13 27	44.89915 0.003	E144 50 6.17230 0.003	163.534 0.005
PLH	000	508	N 13 23	58.09724 0.009	E144 46 15.52462 0.009	124.293 0.010
PLH	000	509	N 13 25	30.20089 0.008	E144 45 9.85520 0.008	172.502 0.009
PLH	000	510	N 13 31	19.33910 0.016	E144 48 58.44546 0.016	135.226 0.016
PLH	000	6	N 13 26	51.82053 0.004	E144 48 9.08113 0.003	111.853 0.005
PLH	000	7	N 13 24	51.23329 0.005	E144 47 3.85884 0.005	116.937 0.006
PLH	000	8	N 13 30	8.91294 0.009	E144 47 21.55203 0.009	58.072 0.009
PLH	000	9	N 13 30	3.63446 0.015	E144 50 31.78835 0.014	136.739 0.016
PLH	000	901	N 13 18	36.57839 0.023	E144 45 47.33609 0.023	158.073 0.025
PLH	000	902	N 13 16	8.77270 0.026	E144 39 51.15395 0.026	58.172 0.026
PLH	000	903	N 13 21	53.39051 0.016	E144 38 59.27859 0.016	56.110 0.017
PLH	000	904	N 13 32	4.87069 0.003	E144 53 49.18810 0.003	185.170 0.004
PLH	000	905	N 13 28	33.70327 0.006	E144 45 22.22752 0.006	56.817 0.006
PLH	000	906	N 13 27	51.22086 0.017	E144 39 7.58994 0.017	56.900 0.017
PLH	000	911	N 13 16	47.06233 0.026	E144 44 55.49197 0.026	54.868 0.027
PLH	000	912	N 13 21	38.53946 0.016	E144 46 14.23386 0.016	61.012 0.017
PLH	000	914	N 13 32	5.76822 0.003	E144 53 14.49263 0.003	181.293 0.004
PLH	000	915	N 13 33	23.54023 0.007	E144 54 59.24999 0.007	213.823 0.008
PLH	000	916	N 13 27	36.06630 0.006	E144 42 57.59892 0.006	221.858 0.006
PLH	000	917	N 13 28	16.64190 0.004	E144 44 52.61266 0.005	108.343 0.006
PLH	111	BEACH	N 13 21	52.39964 0.000	E144 39 0.82470 0.000	55.830 0.000
PLH	111	GN_2205	N 13 18	35.92053 0.000	E144 45 47.86865 0.000	158.170 0.000
PLH	111	GUAM	N 13 35	21.55649 0.000	E144 52 6.12701 0.000	199.992 0.000

Adjusted PLH Coordinates:

CODE	FFF	STATION	LATITUDE		LONGITUDE		ELIP-HEIGHT
				STD DEV		STD DEV	STD DEV
PLH	111	GUUG	N 13 25	59.52017	E144 48	9.79316	132.776
				0.000		0.000	0.000
PLH	000	NCS	N 13 34	14.73841	E144 50	51.18923	187.720
				0.004		0.004	0.005
PLH	111	YIGO_GG	N 13 32	14.85867	E144 53	19.51024	194.951
				0.000		0.000	0.000

Geoid Values:

CODE	NAME	N/S DEFLECTION			E/W DEFLECTION			UNDULATION		
GEOI	1	-	0	0	5.4	+	0	0	6.7	54.703
GEOI	10	-	0	0	9.2	+	0	0	9.2	54.540
GEOI	1001	-	0	0	2.9	+	0	0	6.5	54.768
GEOI	1002	-	0	0	20.9	-	0	0	0.8	53.205
GEOI	1003	-	0	0	4.1	-	0	0	2.0	54.286
GEOI	1004	-	0	0	11.5	+	0	0	7.3	54.417
GEOI	1005	-	0	0	15.3	+	0	0	15.8	53.915
GEOI	1006	-	0	0	9.8	+	0	0	5.8	54.406
GEOI	101	-	0	0	7.0	+	0	0	8.8	54.600
GEOI	1011	-	0	0	0.7	+	0	0	4.7	54.776
GEOI	1012	-	0	0	21.6	+	0	0	16.5	52.910
GEOI	1013	-	0	0	21.1	-	0	0	0.8	53.188
GEOI	1014	-	0	0	8.4	+	0	0	7.7	54.232
GEOI	1015	-	0	0	13.9	+	0	0	9.2	54.389
GEOI	1016	-	0	0	17.7	+	0	0	17.1	53.853
GEOI	1017	-	0	0	15.2	+	0	0	15.9	53.907
GEOI	1018	-	0	0	16.9	+	0	0	15.5	53.958
GEOI	1019	-	0	0	15.0	+	0	0	16.7	53.860
GEOI	1020	-	0	0	10.1	+	0	0	11.8	54.143
GEOI	103	-	0	0	15.8	+	0	0	15.3	53.687
GEOI	104	-	0	0	9.0	+	0	0	9.2	54.577
GEOI	105	-	0	0	13.2	+	0	0	9.4	54.406
GEOI	106	-	0	0	14.6	+	0	0	10.6	54.279
GEOI	107	-	0	0	14.2	+	0	0	15.5	53.990
GEOI	108	-	0	0	13.3	+	0	0	14.1	54.057
GEOI	109	-	0	0	7.1	+	0	0	10.2	54.233
GEOI	110	-	0	0	7.0	+	0	0	1.4	54.430
GEOI	1101	-	0	0	18.5	+	0	0	18.5	53.118
GEOI	1103	-	0	0	16.0	+	0	0	16.4	53.513
GEOI	1104	-	0	0	12.4	+	0	0	8.3	54.343
GEOI	1105	-	0	0	12.8	+	0	0	9.3	54.308
GEOI	1106	-	0	0	5.1	+	0	0	4.9	54.349
GEOI	1107	-	0	0	10.8	+	0	0	10.2	54.210
GEOI	1108	-	0	0	3.6	+	0	0	2.9	54.356
GEOI	1109	+	0	0	0.6	+	0	0	1.0	54.388
GEOI	111	-	0	0	11.4	+	0	0	6.9	54.440
GEOI	1110	+	0	0	1.6	-	0	0	0.6	54.390
GEOI	1111	-	0	0	2.7	+	0	0	0.7	54.377
GEOI	1201	-	0	0	4.1	-	0	0	2.4	54.312
GEOI	1202	-	0	0	16.8	+	0	0	16.8	53.430
GEOI	1203	-	0	0	18.2	-	0	0	2.2	53.502
GEOI	1204	-	0	0	14.2	+	0	0	15.1	54.164
GEOI	1205	-	0	0	7.5	+	0	0	14.2	54.445
GEOI	1206	-	0	0	14.3	+	0	0	17.8	53.952
GEOI	1207	-	0	0	12.5	+	0	0	11.9	54.199
GEOI	1208	-	0	0	1.9	+	0	0	0.4	54.382
GEOI	1209	-	0	0	8.7	+	0	0	8.8	54.328
GEOI	1210	+	0	0	2.4	-	0	0	0.8	54.382
GEOI	1211	+	0	0	1.9	-	0	0	8.5	54.286
GEOI	1301	-	0	0	18.5	+	0	0	18.4	53.154
GEOI	1302	-	0	0	17.1	+	0	0	18.0	53.249
GEOI	1303	-	0	0	14.2	-	0	0	1.2	53.771
GEOI	1304	-	0	0	14.2	+	0	0	15.1	54.126

Geoid Values:

CODE	NAME	N/S DEFLECTION			E/W DEFLECTION			UNDULATION		
GEOI	1305	-	0	0	14.4	+	0	0	21.9	53.927
GEOI	1306	-	0	0	19.6	+	0	0	15.4	53.894
GEOI	1307	-	0	0	11.5	+	0	0	7.4	54.412
GEOI	1308	-	0	0	9.2	+	0	0	8.6	54.262
GEOI	1309	-	0	0	0.6	+	0	0	1.0	54.382
GEOI	1310	+	0	0	1.5	+	0	0	0.8	54.392
GEOI	1311	+	0	0	0.5	+	0	0	2.0	54.390
GEOI	1312	-	0	0	0.3	+	0	0	2.7	54.381
GEOI	1401	-	0	0	18.3	+	0	0	17.0	53.105
GEOI	1402	-	0	0	16.3	+	0	0	14.4	53.388
GEOI	1403	-	0	0	15.0	+	0	0	16.2	53.678
GEOI	1404	-	0	0	6.4	-	0	0	5.8	54.198
GEOI	1405	-	0	0	10.7	+	0	0	17.1	54.185
GEOI	1406	-	0	0	7.8	+	0	0	15.6	54.371
GEOI	1407	-	0	0	12.3	+	0	0	20.3	53.953
GEOI	1408	-	0	0	17.5	+	0	0	13.7	54.158
GEOI	1409	-	0	0	13.2	+	0	0	11.2	54.203
GEOI	1410	-	0	0	7.0	+	0	0	7.1	54.343
GEOI	1501	-	0	0	20.9	+	0	0	16.6	53.022
GEOI	1502	-	0	0	16.1	+	0	0	14.0	53.515
GEOI	1503	-	0	0	14.4	+	0	0	16.2	53.847
GEOI	1504	-	0	0	7.9	-	0	0	4.5	54.157
GEOI	1505	-	0	0	14.2	+	0	0	15.0	54.072
GEOI	1506	-	0	0	8.8	+	0	0	16.6	54.279
GEOI	1507	-	0	0	18.5	+	0	0	16.0	53.963
GEOI	1508	-	0	0	6.2	+	0	0	8.0	54.342
GEOI	1509	-	0	0	2.1	+	0	0	0.9	54.376
GEOI	1510	+	0	0	1.7	-	0	0	1.2	54.382
GEOI	1511	+	0	0	1.1	+	0	0	0.9	54.390
GEOI	1512	+	0	0	3.5	-	0	0	3.9	54.344
GEOI	1513	-	0	0	1.1	-	0	0	2.6	54.344
GEOI	1601	-	0	0	20.9	+	0	0	16.6	53.022
GEOI	1602	-	0	0	21.9	+	0	0	15.2	52.929
GEOI	1603	-	0	0	16.6	+	0	0	16.9	53.448
GEOI	1604	-	0	0	18.0	-	0	0	2.0	53.536
GEOI	1605	-	0	0	18.5	+	0	0	15.5	54.057
GEOI	1606	-	0	0	20.5	+	0	0	16.5	53.923
GEOI	1607	-	0	0	11.8	+	0	0	8.5	54.355
GEOI	1608	-	0	0	13.2	+	0	0	11.2	54.204
GEOI	1609	-	0	0	8.5	+	0	0	10.6	54.224
GEOI	1610	-	0	0	1.9	+	0	0	0.4	54.382
GEOI	2	-	0	0	21.8	+	0	0	4.5	53.167
GEOI	201	-	0	0	0.5	+	0	0	4.2	54.779
GEOI	202	-	0	0	6.5	+	0	0	11.6	54.619
GEOI	203	-	0	0	19.5	+	0	0	3.9	53.327
GEOI	204	-	0	0	16.0	+	0	0	16.5	53.486
GEOI	205	-	0	0	8.2	+	0	0	6.5	54.559
GEOI	206	-	0	0	7.0	+	0	0	3.7	54.572
GEOI	207	-	0	0	15.2	+	0	0	16.0	53.902
GEOI	208	-	0	0	14.6	+	0	0	16.3	53.745
GEOI	209	-	0	0	13.2	+	0	0	13.6	54.072
GEOI	210	-	0	0	9.6	+	0	0	10.7	54.200
GEOI	3	-	0	0	15.8	+	0	0	15.4	53.660

Geoid Values:

CODE	NAME	N/S DEFLECTION			E/W DEFLECTION			UNDULATION		
GEOI	301	-	0	0	2.9	+	0	0	6.0	54.781
GEOI	303	-	0	0	14.2	+	0	0	15.0	53.901
GEOI	304	-	0	0	5.8	+	0	0	11.3	54.640
GEOI	305	-	0	0	5.5	+	0	0	5.5	54.638
GEOI	306	-	0	0	15.3	+	0	0	15.9	53.908
GEOI	307	-	0	0	14.2	+	0	0	15.8	53.965
GEOI	308	-	0	0	14.8	+	0	0	15.5	53.929
GEOI	309	-	0	0	3.6	+	0	0	2.9	54.357
GEOI	310	-	0	0	12.6	+	0	0	10.8	54.379
GEOI	311	-	0	0	14.2	+	0	0	15.1	54.128
GEOI	4	-	0	0	7.6	-	0	0	1.1	54.268
GEOI	401	-	0	0	2.5	+	0	0	1.9	54.753
GEOI	402	-	0	0	22.6	+	0	0	12.3	52.883
GEOI	403	-	0	0	23.3	+	0	0	8.3	52.944
GEOI	404	-	0	0	11.8	+	0	0	11.5	54.049
GEOI	405	-	0	0	9.4	+	0	0	9.3	54.496
GEOI	406	-	0	0	16.7	+	0	0	15.1	54.007
GEOI	407	-	0	0	9.2	+	0	0	13.3	54.181
GEOI	408	-	0	0	14.6	+	0	0	16.3	53.745
GEOI	409	-	0	0	11.2	+	0	0	10.7	54.170
GEOI	410	-	0	0	10.2	+	0	0	4.0	54.473
GEOI	5	-	0	0	9.0	+	0	0	9.3	54.565
GEOI	501	-	0	0	0.6	+	0	0	4.2	54.772
GEOI	502	-	0	0	7.0	+	0	0	8.8	54.591
GEOI	504	-	0	0	11.5	+	0	0	11.3	54.096
GEOI	505	-	0	0	14.4	+	0	0	11.1	54.262
GEOI	506	-	0	0	19.0	+	0	0	15.6	53.934
GEOI	507	-	0	0	15.3	+	0	0	15.9	53.899
GEOI	508	-	0	0	14.1	+	0	0	15.9	53.899
GEOI	509	-	0	0	7.6	+	0	0	10.5	54.208
GEOI	510	-	0	0	11.4	+	0	0	6.7	54.447
GEOI	6	-	0	0	13.0	+	0	0	14.5	54.036
GEOI	7	-	0	0	15.0	+	0	0	16.5	53.905
GEOI	8	-	0	0	8.7	+	0	0	4.2	54.403
GEOI	9	-	0	0	16.4	+	0	0	13.9	54.169
GEOI	901	-	0	0	17.0	+	0	0	18.3	53.204
GEOI	902	-	0	0	20.9	-	0	0	0.9	53.220
GEOI	903	-	0	0	6.9	-	0	0	8.1	53.970
GEOI	904	-	0	0	14.1	+	0	0	17.8	54.090
GEOI	905	-	0	0	4.5	+	0	0	2.0	54.362
GEOI	906	+	0	0	3.2	-	0	0	11.7	54.180
GEOI	911	-	0	0	21.0	+	0	0	16.5	52.994
GEOI	912	-	0	0	15.0	+	0	0	16.3	53.595
GEOI	914	-	0	0	14.2	+	0	0	15.1	54.167
GEOI	915	-	0	0	11.4	+	0	0	19.6	54.065
GEOI	916	+	0	0	0.8	+	0	0	2.2	54.395
GEOI	917	-	0	0	2.7	+	0	0	2.8	54.368
GEOI	BEACH	-	0	0	6.9	-	0	0	8.0	53.972
GEOI	GGN_2205	-	0	0	17.0	+	0	0	18.4	53.199
GEOI	GUAM	-	0	0	6.8	+	0	0	11.3	54.594
GEOI	GUUG	-	0	0	15.2	+	0	0	16.0	53.913
GEOI	NCS	-	0	0	6.8	+	0	0	8.8	54.621
GEOI	YIGO_GG	-	0	0	14.2	+	0	0	15.1	54.172

Residuals (critical value = 4.241):

TYPE AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: 022912.ASC ,obs#:		1			
DXCT	1201	1101	-7966.48440 0.036	-0.005 0.025	-0.187 0.28
DYCT	1201	1101	-5718.66610 0.036	0.000 0.025	0.006 0.01
DZCT	1201	1101	-13084.50380 0.036	-0.013 0.025	-0.534 0.82
GROUP: 022912.ASC ,obs#:		2			
DXCT	GUUG	1101	-210.91880 0.038	0.004 0.028	0.160 0.29
DYCT	GUUG	1101	5612.17880 0.036	-0.000 0.026	-0.004 0.01
DZCT	GUUG	1101	-14285.51110 0.036	0.013 0.025	0.522 0.85
GROUP: 022912.ASC ,obs#:		4			
DXCT	GUUG	1201	7755.58290 0.030	-0.008 0.030	-0.279 0.60
DYCT	GUUG	1201	11330.84180 0.030	0.003 0.029	0.097 0.21
DZCT	GUUG	1201	-1200.97920 0.030	-0.002 0.029	-0.054 0.11
GROUP: 022912.ASC ,obs#:		9			
DXCT	1201	1501	-7694.61560 0.039	-0.005 0.027	-0.187 0.29
DYCT	1201	1501	-4853.65750 0.038	0.004 0.026	0.166 0.25
DZCT	1201	1501	-14643.91280 0.038	0.001 0.026	0.026 0.04
GROUP: 022912.ASC ,obs#:		10			
DXCT	GUUG	1501	60.94780 0.043	0.006 0.032	0.200 0.37
DYCT	GUUG	1501	6477.19680 0.040	-0.005 0.029	-0.182 0.31
DZCT	GUUG	1501	-15844.89180 0.038	-0.001 0.027	-0.041 0.06
GROUP: 022912.ASC ,obs#:		15			
DXCT	1201	901	-7875.71820 0.035	0.011 0.025	0.443 0.71
DYCT	1201	901	-5999.22310 0.034	-0.004 0.025	-0.142 0.22
DZCT	1201	901	-12036.77690 0.034	0.031 0.025	1.268 2.00
GROUP: 022912.ASC ,obs#:		16			
DXCT	GUUG	901	-120.12310 0.033	-0.009 0.023	-0.414 0.66
DYCT	GUUG	901	5331.61510 0.032	0.003 0.022	0.135 0.21
DZCT	GUUG	901	-13237.70000 0.031	-0.027 0.021	-1.252 1.86
GROUP: 022912.ASC ,obs#:		19			
DXCT	GUUG	BEACH	8162.24240 0.040	-0.005 0.040	-0.132 0.29

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		GUUG	BEACH	14457.14710 0.040	-0.024 0.040	-0.596 1.31
DZCT		GUUG	BEACH	-7405.61020 0.040	-0.034 0.040	-0.850 1.85
GROUP: 022912.ASC ,obs#: 20						
DXCT		1201	BEACH	406.68450 0.016	-0.022 0.014	-1.562 3.18
DYCT		1201	BEACH	3126.25960 0.015	0.019 0.014	1.369 2.75
DZCT		1201	BEACH	-6204.64610 0.015	-0.017 0.014	-1.228 2.45
GROUP: 022912D.ASC ,obs#: 23						
DXCT		1201	1	-7470.69800 0.061	-0.028 0.061	-0.460 0.99
DYCT		1201	1	-18617.55950 0.061	0.002 0.061	0.040 0.09
DZCT		1201	1	19912.49660 0.061	0.015 0.061	0.249 0.53
GROUP: 022912D.ASC ,obs#: 24						
DXCT		GUUG	1	284.88290 0.044	-0.034 0.044	-0.777 1.70
DYCT		GUUG	1	-7286.71930 0.044	0.007 0.043	0.159 0.34
DZCT		GUUG	1	18711.53710 0.044	-0.006 0.043	-0.144 0.31
GROUP: 022912D.ASC ,obs#: 25						
DXCT		GUAM	1	1132.37160 0.007	0.001 0.001	0.913 0.49
DYCT		GUAM	1	809.95800 0.006	-0.000 0.001	-0.377 0.17
DZCT		GUAM	1	1900.96810 0.005	-0.000 0.001	-0.199 0.07
GROUP: 022912D.ASC ,obs#: 26						
DXCT		GUUG	1001	1231.98600 0.048	-0.015 0.047	-0.316 0.74
DYCT		GUUG	1001	-6127.54300 0.046	-0.005 0.045	-0.121 0.27
DZCT		GUUG	1001	19170.01410 0.044	0.008 0.044	0.180 0.39
GROUP: 022912D.ASC ,obs#: 27						
DXCT		GUAM	1001	2079.49440 0.011	0.001 0.002	0.306 0.19
DYCT		GUAM	1001	1969.12140 0.009	0.000 0.002	0.058 0.03
DZCT		GUAM	1001	2359.45930 0.009	-0.000 0.002	-0.201 0.09
GROUP: 022912D.ASC ,obs#: 28						
DXCT		1201	101	-7918.23370 0.055	0.043 0.053	0.808 1.72
DYCT		1201	101	-17566.33270 0.054	-0.024 0.053	-0.458 0.98
DZCT		1201	101	15830.62590 0.004	0.004 0.004	0.069 0.069

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.054	0.053	0.15
GROUP:	022912D.ASC	,obs#:	29			
DXCT		GUAM	101	684.91000	-0.002	-0.893
				0.011	0.002	0.74
DYCT		GUAM	101	1861.15620	0.001	0.761
				0.010	0.002	0.47
DZCT		GUAM	101	-2180.91450	0.000	0.290
				0.007	0.001	0.11
GROUP:	022912D.ASC	,obs#:	30			
DXCT		GUAM	1201	8603.08970	0.009	0.150
				0.060	0.060	0.32
DYCT		GUAM	1201	19427.50080	0.014	0.231
				0.060	0.060	0.50
DZCT		GUAM	1201	-18011.54140	-0.002	-0.039
				0.060	0.060	0.08
GROUP:	022912D.ASC	,obs#:	31			
DXCT		GUUG	1201	7755.58660	-0.012	-0.403
				0.030	0.030	0.87
DYCT		GUUG	1201	11330.81930	0.025	0.863
				0.030	0.029	1.84
DZCT		GUUG	1201	-1200.98420	0.003	0.117
				0.030	0.029	0.25
GROUP:	022912D.ASC	,obs#:	32			
DXCT		GUAM	201	2249.20110	0.000	0.063
				0.015	0.004	0.04
DYCT		GUAM	201	456.18560	0.001	0.160
				0.015	0.004	0.10
DZCT		GUAM	201	5980.61320	-0.004	-1.129
				0.014	0.004	0.64
GROUP:	022912D.ASC	,obs#:	33			
DXCT		GUUG	201	1401.67990	-0.003	-0.050
				0.054	0.052	0.11
DYCT		GUUG	201	-7640.47440	-0.009	-0.183
				0.053	0.051	0.39
DZCT		GUUG	201	22791.11480	0.057	1.133
				0.052	0.051	2.38
GROUP:	022912D.ASC	,obs#:	34			
DXCT		GUAM	202	401.98510	0.001	0.942
				0.008	0.002	1.00
DYCT		GUAM	202	978.83090	-0.001	-0.734
				0.006	0.001	0.45
DZCT		GUAM	202	-981.41150	0.000	0.035
				0.005	0.001	0.02
GROUP:	022912D.ASC	,obs#:	35			
DXCT		GUUG	202	-445.49660	-0.041	-1.025
				0.041	0.040	2.36
DYCT		GUUG	202	-7117.85680	0.017	0.441
				0.039	0.039	0.98
DZCT		GUUG	202	15829.17670	-0.025	-0.654
				0.039	0.039	1.45
GROUP:	022912D.ASC	,obs#:	36			
DXCT		1201	301	-6326.88340	-0.044	-0.735

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.061	0.060	1.57
DYCT		1201	301	-17526.45090	-0.039	-0.647
				0.061	0.060	1.38
DZCT		1201	301	21141.24050	0.067	1.113
				0.061	0.060	2.37
GROUP: 022912D.ASC ,obs#: 37						
DXCT		GUAM	301	2276.16990	0.001	0.715
				0.010	0.002	0.28
DYCT		GUAM	301	1901.02410	0.001	0.542
				0.010	0.002	0.20
DZCT		GUAM	301	3129.76510	-0.002	-1.120
				0.010	0.002	0.39
GROUP: 022912D.ASC ,obs#: 38						
DXCT		GUAM	401	2186.19040	-0.001	-0.319
				0.011	0.002	0.17
DYCT		GUAM	401	2044.35660	0.001	0.314
				0.010	0.002	0.13
DZCT		GUAM	401	2525.88640	0.000	0.249
				0.009	0.001	0.09
GROUP: 022912D.ASC ,obs#: 39						
DXCT		1201	401	-6416.92430	0.015	0.258
				0.061	0.059	0.55
DYCT		1201	401	-17383.14330	-0.014	-0.240
				0.060	0.059	0.51
DZCT		1201	401	20537.44130	-0.011	-0.184
				0.060	0.059	0.39
GROUP: 022912D.ASC ,obs#: 41						
DXCT		1201	502	-8016.28980	0.063	1.406
				0.055	0.045	2.54
DYCT		1201	502	-17677.29390	-0.012	-0.265
				0.055	0.045	0.48
DZCT		1201	502	15756.40610	-0.015	-0.323
				0.054	0.045	0.59
GROUP: 022912D.ASC ,obs#: 42						
DXCT		GUUG	502	-260.62200	-0.030	-1.420
				0.037	0.021	1.87
DYCT		GUUG	502	-6346.46720	0.006	0.304
				0.036	0.020	0.37
DZCT		GUUG	502	14555.40380	0.007	0.368
				0.035	0.019	0.43
GROUP: 022912D.ASC ,obs#: 43						
DXCT		GUAM	NCS	912.25970	0.008	1.184
				0.008	0.007	2.64
DYCT		GUAM	NCS	2112.96160	-0.000	-0.054
				0.008	0.006	0.11
DZCT		GUAM	NCS	-1998.98360	-0.009	-1.576
				0.007	0.006	3.03
GROUP: 022912D.ASC ,obs#: 44						
DXCT		GUUG	NCS	64.79870	-0.055	-1.502
				0.037	0.037	3.44
DYCT		GUUG	NCS	-5983.64680	-0.062	-1.729
				0.036	0.036	3.88

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		GUUG	NCS	14811.53040 0.036	0.040 0.035	1.127 2.49
GROUP: 022912D.ASC ,obs#: 45						
DXCT		1201	NCS	-7690.77920 0.054	-0.052 0.054	-0.963 2.09
DYCT		1201	NCS	-17314.50880 0.054	-0.045 0.054	-0.831 1.80
DZCT		1201	NCS	16012.50790 0.054	0.043 0.053	0.806 1.73
GROUP: 030112~1.ASC,obs#: 48						
DXCT		1201	1002	-2515.30140 0.038	0.021 0.022	0.955 1.21
DYCT		1201	1002	3268.40100 0.038	-0.010 0.022	-0.471 0.60
DZCT		1201	1002	-16624.16390 0.037	0.002 0.022	0.098 0.12
GROUP: 030112~1.ASC,obs#: 49						
DXCT		GUUG	1002	5240.33580 0.053	-0.042 0.043	-0.968 1.77
DYCT		GUUG	1002	14599.21400 0.053	0.021 0.043	0.500 0.91
DZCT		GUUG	1002	-17825.13940 0.051	-0.003 0.042	-0.076 0.13
GROUP: 030112~1.ASC,obs#: 56						
DXCT		1201	1103	-7345.06630 0.029	-0.015 0.022	-0.686 1.17
DYCT		1201	1103	-7175.39770 0.028	0.017 0.022	0.792 1.34
DZCT		1201	1103	-7741.04040 0.028	0.010 0.022	0.449 0.76
GROUP: 030112~1.ASC,obs#: 57						
DXCT		GUUG	1103	410.48280 0.023	0.010 0.014	0.731 1.06
DYCT		GUUG	1103	4155.47550 0.022	-0.011 0.014	-0.831 1.14
DZCT		GUUG	1103	-8942.00520 0.022	-0.006 0.013	-0.479 0.63
GROUP: 030112~1.ASC,obs#: 64						
DXCT		1201	1403	-7010.15640 0.026	0.013 0.019	0.678 1.11
DYCT		1201	1403	-7654.55830 0.026	0.000 0.020	0.024 0.04
DZCT		1201	1403	-5442.27960 0.026	-0.008 0.020	-0.424 0.72
GROUP: 030112~1.ASC,obs#: 65						
DXCT		GUUG	1403	745.44300 0.024	-0.012 0.016	-0.735 1.53
DYCT		GUUG	1403	3676.28440 0.020	0.002 0.013	0.192 0.32
DZCT		GUUG	1403	-6643.27560 0.020	0.007 0.012	0.562 0.88
GROUP: 030112~1.ASC,obs#: 66						

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		GUUG	1502	1773.95220 0.033	-0.016 0.025	-0.648 1.11
DYCT		GUUG	1502	7498.49730 0.032	-0.006 0.024	-0.255 0.42
DZCT		GUUG	1502	-12077.67860 0.031	-0.006 0.023	-0.254 0.41
GROUP: 030112~1.ASC,obs#: 67						
DXCT		1201	1502	-5981.65090 0.029	0.012 0.019	0.664 0.96
DYCT		1201	1502	-3832.35870 0.029	0.005 0.019	0.282 0.41
DZCT		1201	1502	-10876.70850 0.028	0.005 0.019	0.260 0.37
GROUP: 030112~1.ASC,obs#: 68						
DXCT		1201	1503	-6326.78990 0.023	0.004 0.017	0.228 0.38
DYCT		1201	1503	-7088.74850 0.023	0.010 0.018	0.575 0.98
DZCT		1201	1503	-4104.60200 0.022	-0.002 0.018	-0.090 0.15
GROUP: 030112~1.ASC,obs#: 69						
DXCT		GUUG	1503	1428.79040 0.018	-0.002 0.011	-0.153 0.24
DYCT		GUUG	1503	4242.11150 0.017	-0.005 0.010	-0.533 0.75
DZCT		GUUG	1503	-5305.58520 0.016	0.001 0.009	0.093 0.12
GROUP: 030112~1.ASC,obs#: 70						
DXCT		1201	1603	-7210.54880 0.030	0.001 0.019	0.048 0.07
DYCT		1201	1603	-6391.92440 0.029	0.007 0.021	0.344 0.53
DZCT		1201	1603	-9230.41110 0.030	0.007 0.019	0.359 0.52
GROUP: 030112~1.ASC,obs#: 71						
DXCT		GUUG	1603	545.02120 0.039	0.006 0.031	0.179 0.48
DYCT		GUUG	1603	4938.93640 0.030	-0.009 0.022	-0.414 0.78
DZCT		GUUG	1603	-10431.37380 0.035	-0.011 0.027	-0.411 0.96
GROUP: 030112~1.ASC,obs#: 72						
DXCT		1201	2	-3283.73980 0.039	0.016 0.023	0.702 0.90
DYCT		1201	2	2434.12540 0.039	0.004 0.023	0.161 0.21
DZCT		1201	2	-17236.80740 0.039	-0.001 0.023	-0.041 0.05
GROUP: 030112~1.ASC,obs#: 73						
DXCT		GUUG	2	4471.88110 0.054	-0.030 0.043	-0.699 1.29
DYCT		GUUG	2	13764.97940	-0.006	-0.138

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.052	0.041	0.24
DZCT		GUUG	2	-18437.79230	0.003	0.075
				0.053	0.042	0.14
GROUP:			74			
DXCT		1201	203	-3266.53710	0.001	0.049
				0.036	0.021	0.06
DYCT		1201	203	2047.20140	-0.000	-0.011
				0.036	0.021	0.01
DZCT		1201	203	-15758.21380	0.003	0.164
				0.035	0.021	0.21
GROUP:			75			
DXCT		GUUG	203	4489.04050	-0.002	-0.049
				0.049	0.039	0.09
DYCT		GUUG	203	13378.04540	0.000	0.011
				0.048	0.039	0.02
DZCT		GUUG	203	-16959.18490	-0.006	-0.164
				0.048	0.038	0.29
GROUP:			78			
DXCT		1201	402	-6188.77690	0.003	0.095
				0.043	0.027	0.13
DYCT		1201	402	-1181.98170	0.020	0.724
				0.042	0.027	1.02
DZCT		1201	402	-18432.58870	0.030	1.077
				0.042	0.028	1.53
GROUP:			79			
DXCT		GUUG	402	1566.80160	-0.001	-0.031
				0.053	0.041	0.06
DYCT		GUUG	402	10148.91010	-0.027	-0.730
				0.050	0.037	1.23
DZCT		GUUG	402	-19633.50050	-0.039	-1.081
				0.048	0.036	1.77
GROUP:			82			
DXCT		1201	912	-7212.01790	0.001	0.071
				0.027	0.021	0.12
DYCT		1201	912	-7459.00550	0.015	0.690
				0.027	0.021	1.18
DZCT		1201	912	-6617.90170	0.019	0.903
				0.027	0.021	1.55
GROUP:			83			
DXCT		GUUG	912	543.55810	0.000	0.013
				0.021	0.012	0.02
DYCT		GUUG	912	3871.86200	-0.008	-0.712
				0.020	0.012	0.95
DZCT		GUUG	912	-7818.85310	-0.010	-0.923
				0.019	0.011	1.17
GROUP:			84			
DXCT		1201	1003	-294.35520	0.000	0.718
				0.004	0.000	0.17
DYCT		1201	1003	161.69210	-0.000	-1.226
				0.004	0.000	0.22
DZCT		1201	1003	-1282.64020	-0.000	-0.595
				0.003	0.000	0.08

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP:	030212~1.ASC,obs#:		85			
DXCT		GUAM	1003	8308.76810 0.063	-0.024 0.063	-0.389 0.85
DYCT		GUAM	1003	19589.13490 0.063	0.072 0.062	1.145 2.49
DZCT		GUAM	1003	-19294.20880 0.062	0.025 0.062	0.401 0.86
GROUP:	030212~1.ASC,obs#:		86			
DXCT		1201	1014	-2743.97720 0.012	0.001 0.002	0.423 0.21
DYCT		1201	1014	-2494.64470 0.011	-0.002 0.002	-0.986 0.41
DZCT		1201	1014	-2709.69590 0.010	-0.001 0.002	-0.846 0.32
GROUP:	030212~1.ASC,obs#:		87			
DXCT		GUAM	1014	5859.14150 0.062	-0.019 0.060	-0.317 0.70
DYCT		GUAM	1014	16932.81190 0.061	0.056 0.060	0.938 2.05
DZCT		GUAM	1014	-20721.28770 0.060	0.047 0.058	0.797 1.70
GROUP:	030212~1.ASC,obs#:		90			
DXCT		GUAM	1201	8603.09440 0.060	0.004 0.060	0.072 0.15
DYCT		GUAM	1201	19427.49330 0.060	0.021 0.060	0.357 0.77
DZCT		GUAM	1201	-18011.53450 0.060	-0.009 0.060	-0.154 0.33
GROUP:	030212~1.ASC,obs#:		93			
DXCT		1201	1303	-2012.37660 0.024	-0.026 0.017	-1.557 2.39
DYCT		1201	1303	1901.79330 0.024	0.014 0.017	0.843 1.29
DZCT		1201	1303	-10560.25710 0.024	0.021 0.017	1.288 1.95
GROUP:	030212~1.ASC,obs#:		94			
DXCT		GUAM	1303	6590.72870 0.080	-0.033 0.078	-0.419 0.90
DYCT		GUAM	1303	21329.27990 0.079	0.042 0.077	0.550 1.16
DZCT		GUAM	1303	-28571.74800 0.079	-0.032 0.077	-0.410 0.87
GROUP:	030212~1.ASC,obs#:		95			
DXCT		1201	1404	437.92270 0.006	0.000 0.001	0.142 0.03
DYCT		1201	1404	1415.42360 0.006	-0.000 0.000	-0.257 0.05
DZCT		1201	1404	-1937.14800 0.005	-0.000 0.000	-0.808 0.15
GROUP:	030212~1.ASC,obs#:		96			
DXCT		GUAM	1404	9041.02680 0.067	-0.005 0.066	-0.081 0.18

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		GUAM	1404	20842.92280 0.066	0.015 0.065	0.234 0.51
DZCT		GUAM	1404	-19948.74410 0.066	0.052 0.065	0.800 1.72
GROUP: 030212~1.ASC, obs#: 97						
DXCT		GUAM	1504	8072.55650 0.068	-0.012 0.068	-0.173 0.38
DYCT		GUAM	1504	20334.11420 0.068	0.050 0.067	0.751 1.64
DZCT		GUAM	1504	-21763.82240 0.068	0.045 0.067	0.676 1.47
GROUP: 030212~1.ASC, obs#: 98						
DXCT		1201	1504	-530.57050 0.010	0.017 0.006	2.911 4.26
DYCT		1201	1504	906.65590 0.009	-0.006 0.006	-0.961 1.50
DZCT		1201	1504	-3752.24130 0.009	0.008 0.006	1.317 2.04
GROUP: 030212~1.ASC, obs#: 99						
DXCT		GUAM	1604	6787.43660 0.085	0.049 0.083	0.589 1.26
DYCT		GUAM	1604	22343.41390 0.085	-0.012 0.083	-0.149 0.32
DZCT		GUAM	1604	-31346.64120 0.085	-0.038 0.083	-0.459 0.97
GROUP: 030212~1.ASC, obs#: 100						
DXCT		1201	1604	-1815.60500 0.031	-0.008 0.026	-0.311 0.58
DYCT		1201	1604	2915.88690 0.030	-0.000 0.025	-0.001 0.00
DZCT		1201	1604	-13335.14430 0.030	0.009 0.025	0.359 0.64
GROUP: 030212~1.ASC, obs#: 107						
DXCT		1201	4	-1327.52680 0.007	-0.008 0.003	-2.803 3.36
DYCT		1201	4	-961.47900 0.006	0.003 0.003	0.959 1.04
DZCT		1201	4	-1850.33220 0.006	-0.003 0.003	-1.271 1.39
GROUP: 030212~1.ASC, obs#: 108						
DXCT		1504	4	-797.00350 0.012	0.022 0.008	2.683 8.01
DYCT		1504	4	-1868.12430 0.008	-0.002 0.005	-0.425 0.78
DZCT		1504	4	1901.89400 0.007	0.004 0.004	0.897 1.34
GROUP: 030212~1.ASC, obs#: 109						
DXCT		1201	404	-4325.82500 0.017	0.014 0.008	1.771 1.91
DYCT		1201	404	-4105.50410 0.016	-0.009 0.008	-1.125 1.19
DZCT		1201	404	-4421.94400	-0.009	-1.147

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.017	0.008	1.24
GROUP:	030212~1.ASC,	obs#:	110			
DXCT		1303	404	-2313.38820	-0.020	-1.722
				0.020	0.012	2.25
DYCT		1303	404	-6007.33240	0.012	1.093
				0.019	0.011	1.36
DZCT		1303	404	6138.27050	0.012	1.068
				0.020	0.011	1.37
GROUP:	030212~1.ASC,	obs#:	111			
DXCT		1201	504	-4031.42030	0.002	0.384
				0.017	0.004	0.24
DYCT		1201	504	-3812.44300	-0.002	-0.471
				0.016	0.004	0.28
DZCT		1201	504	-4021.70630	0.001	0.172
				0.015	0.004	0.10
GROUP:	030212~1.ASC,	obs#:	112			
DXCT		GUAM	504	4571.70060	-0.021	-0.355
				0.060	0.058	0.75
DYCT		GUAM	504	15615.04410	0.026	0.446
				0.060	0.057	0.94
DZCT		GUAM	504	-22033.23770	-0.012	-0.204
				0.059	0.057	0.43
GROUP:	030212~1.ASC,	obs#:	113			
DXCT		1201	902	-2455.53510	-0.001	-0.030
				0.037	0.027	0.05
DYCT		1201	902	3299.10090	-0.007	-0.265
				0.037	0.027	0.42
DZCT		1201	902	-16480.41680	-0.002	-0.071
				0.037	0.027	0.11
GROUP:	030212~1.ASC,	obs#:	114			
DXCT		GUAM	902	6147.57830	-0.015	-0.178
				0.091	0.087	0.37
DYCT		GUAM	902	22726.56810	0.040	0.464
				0.091	0.087	0.97
DZCT		GUAM	902	-34491.96320	0.001	0.009
				0.090	0.087	0.02
GROUP:	030212~1.ASC,	obs#:	115			
DXCT		1201	903	439.09540	0.003	0.757
				0.016	0.003	0.37
DYCT		1201	903	3160.31070	-0.001	-0.379
				0.016	0.003	0.18
DZCT		1201	903	-6174.96890	-0.003	-0.908
				0.015	0.003	0.40
GROUP:	030212~1.ASC,	obs#:	116			
DXCT		GUAM	903	9042.24960	-0.053	-0.723
				0.075	0.073	1.54
DYCT		GUAM	903	22587.80050	0.024	0.324
				0.075	0.073	0.69
DZCT		GUAM	903	-24186.57950	0.064	0.884
				0.074	0.072	1.87
GROUP:	030312~1.ASC,	obs#:	120			
DXCT		GUAM	1011	2009.46260	-0.002	-0.228

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.013	0.008	0.33
DYCT		GUAM	1011	572.57030	0.001	0.164
				0.013	0.008	0.23
DZCT		GUAM	1011	5436.17930	0.004	0.509
				0.013	0.008	0.73
GROUP: 030312~1.ASC,obs#: 121						
DXCT		1204	1011	4343.52920	0.006	0.234
				0.026	0.025	0.47
DYCT		1204	1011	1471.80130	-0.000	-0.011
				0.026	0.025	0.02
DZCT		1204	1011	11283.79210	0.003	0.136
				0.026	0.024	0.27
GROUP: 030312~1.ASC,obs#: 122						
DXCT		NCS	1011	1097.19190	0.001	0.077
				0.017	0.014	0.14
DYCT		NCS	1011	-1540.38730	-0.002	-0.170
				0.017	0.014	0.30
DZCT		NCS	1011	7435.18510	-0.009	-0.647
				0.017	0.013	1.14
GROUP: 030312~1.ASC,obs#: 123						
DXCT		GUAM	1015	727.20670	0.012	0.784
				0.018	0.015	1.49
DYCT		GUAM	1015	3916.19110	0.002	0.122
				0.018	0.015	0.23
DZCT		GUAM	1015	-7085.48560	0.001	0.096
				0.018	0.015	0.18
GROUP: 030312~1.ASC,obs#: 124						
DXCT		1204	1015	3061.29620	-0.003	-0.355
				0.013	0.009	0.55
DYCT		1204	1015	4815.42530	-0.003	-0.337
				0.013	0.009	0.51
DZCT		1204	1015	-1237.87210	-0.000	-0.020
				0.013	0.009	0.03
GROUP: 030312~1.ASC,obs#: 125						
DXCT		GUAM	104	940.52720	-0.001	-0.141
				0.010	0.008	0.23
DYCT		GUAM	104	2795.61560	-0.002	-0.326
				0.010	0.008	0.52
DZCT		GUAM	104	-3636.47530	-0.002	-0.325
				0.010	0.007	0.52
GROUP: 030312~1.ASC,obs#: 126						
DXCT		1204	104	3274.59950	0.001	0.090
				0.012	0.010	0.16
DYCT		1204	104	3694.84010	0.002	0.251
				0.012	0.010	0.45
DZCT		1204	104	2211.13210	0.002	0.215
				0.012	0.010	0.38
GROUP: 030312~1.ASC,obs#: 127						
DXCT		904	104	3870.71690	0.001	0.063
				0.014	0.012	0.12
DYCT		904	104	4523.12810	0.001	0.099
				0.014	0.012	0.19

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		904	104	2243.18940 0.014	0.002 0.012	0.138 0.26
GROUP: 030312~1.ASC,obs#: 128						
DXCT		GUAM	105	1062.72990 0.019	0.008 0.016	0.507 0.96
DYCT		GUAM	105	4455.03930 0.019	0.003 0.016	0.173 0.33
DZCT		GUAM	105	-7270.06800 0.019	-0.001 0.016	-0.034 0.06
GROUP: 030312~1.ASC,obs#: 129						
DXCT		1204	105	3396.80840 0.014	0.004 0.011	0.362 0.62
DYCT		1204	105	5354.27970 0.014	-0.008 0.011	-0.744 1.26
DZCT		1204	105	-1422.45370 0.014	-0.003 0.011	-0.270 0.46
GROUP: 030312~1.ASC,obs#: 130						
DXCT		GUAM	1204	-2334.07800 0.014	0.004 0.013	0.278 0.59
DYCT		GUAM	1204	-899.22550 0.014	-0.004 0.013	-0.286 0.61
DZCT		GUAM	1204	-5847.61030 0.014	-0.002 0.013	-0.117 0.25
GROUP: 030312~1.ASC,obs#: 131						
DXCT		GUAM	1205	-1310.01110 0.006	-0.005 0.003	-1.339 2.13
DYCT		GUAM	1205	-1359.46170 0.006	0.005 0.003	1.559 2.19
DZCT		GUAM	1205	-1072.76390 0.005	0.007 0.003	2.649 3.25
GROUP: 030312~1.ASC,obs#: 132						
DXCT		1204	1205	1024.04090 0.012	0.018 0.011	1.663 3.59
DYCT		1204	1205	-460.21120 0.011	-0.016 0.010	-1.612 3.34
DZCT		1204	1205	4774.88110 0.011	-0.026 0.010	-2.652 5.31
GROUP: 030312~1.ASC,obs#: 133						
DXCT		405	1205	-1359.10680 0.011	-0.003 0.008	-0.337 0.63
DYCT		405	1205	-3094.64750 0.010	-0.000 0.008	-0.033 0.06
DZCT		405	1205	2949.18980 0.010	-0.004 0.008	-0.522 0.92
GROUP: 030312~1.ASC,obs#: 134						
DXCT		GUAM	1304	-2297.78130 0.016	0.011 0.016	0.715 1.58
DYCT		GUAM	1304	-444.07810 0.016	-0.004 0.016	-0.252 0.54
DZCT		GUAM	1304	-6817.35950 0.016	-0.011 0.016	-0.717 1.55
GROUP: 030312~1.ASC,obs#: 135						

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		1204	1304	36.30530 0.004	-0.001 0.001	-0.874 0.90
DYCT		1204	1304	455.14700 0.003	0.000 0.001	0.408 0.32
DZCT		1204	1304	-969.75950 0.003	0.001 0.001	0.788 0.63
GROUP: 030312~1.ASC,obs#: 136						
DXCT		5	1304	-3157.10190 0.014	0.004 0.011	0.364 0.76
DYCT		5	1304	-3218.72190 0.013	0.001 0.011	0.135 0.26
DZCT		5	1304	-2964.03770 0.013	-0.002 0.011	-0.171 0.33
GROUP: 030312~1.ASC,obs#: 137						
DXCT		GUAM	1405	-2883.96330 0.012	0.010 0.010	1.014 1.96
DYCT		GUAM	1405	-2535.85160 0.012	-0.003 0.010	-0.332 0.64
DZCT		GUAM	1405	-3608.90420 0.011	0.008 0.010	0.757 1.43
GROUP: 030312~1.ASC,obs#: 138						
DXCT		1204	1405	-549.87490 0.007	-0.004 0.004	-1.057 1.35
DYCT		1204	1405	-1636.62690 0.006	0.001 0.003	0.380 0.46
DZCT		1204	1405	2238.71760 0.006	-0.002 0.003	-0.720 0.83
GROUP: 030312~1.ASC,obs#: 139						
DXCT		205	1405	-4089.94880 0.016	0.003 0.013	0.241 0.44
DYCT		205	1405	-5982.55210 0.016	-0.001 0.013	-0.067 0.12
DZCT		205	1405	660.61240 0.016	0.002 0.013	0.121 0.22
GROUP: 030312~1.ASC,obs#: 140						
DXCT		GUAM	1406	-1912.34540 0.008	-0.005 0.005	-0.915 1.55
DYCT		GUAM	1406	-2067.25510 0.007	0.008 0.005	1.746 2.65
DZCT		GUAM	1406	-1395.75840 0.007	0.014 0.005	2.857 4.35
GROUP: 030312~1.ASC,obs#: 141						
DXCT		1204	1406	421.72490 0.011	-0.001 0.009	-0.105 0.20
DYCT		1204	1406	-1168.00780 0.010	-0.010 0.009	-1.115 2.08
DZCT		1204	1406	4451.88700 0.010	-0.020 0.009	-2.329 4.29
GROUP: 030312~1.ASC,obs#: 142						
DXCT		405	1406	-1961.45340 0.012	0.009 0.010	0.942 1.84
DYCT		405	1406	-3802.43030	-0.007	-0.792

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.011	0.009	1.46
DZCT		405	1406	2626.20580	-0.008	-0.884
				0.011	0.009	1.60
GROUP: 030312~1.ASC, obs#: 143						
DXCT		1204	1505	-340.82780	-0.003	-2.678
				0.004	0.001	2.46
DYCT		1204	1505	-24.30270	0.003	3.395
				0.003	0.001	2.63
DZCT		1204	1505	-1073.12190	0.002	2.720
				0.003	0.001	1.41
GROUP: 030312~1.ASC, obs#: 144						
DXCT		304	1505	-3061.51830	0.026	1.469
				0.018	0.018	3.20
DYCT		304	1505	-1302.89320	-0.038	-2.179
				0.018	0.017	4.70
DZCT		304	1505	-7328.98370	-0.028	-1.654
				0.018	0.017	3.51
GROUP: 030312~1.ASC, obs#: 145						
DXCT		GUAM	1505	-2674.92020	0.015	0.950
				0.017	0.016	2.06
DYCT		GUAM	1505	-923.50100	-0.028	-1.751
				0.017	0.016	3.76
DZCT		GUAM	1505	-6920.71290	-0.019	-1.219
				0.016	0.016	2.58
GROUP: 030312~1.ASC, obs#: 146						
DXCT		GUAM	1506	-2425.74970	0.008	1.182
				0.009	0.007	1.98
DYCT		GUAM	1506	-2334.65960	0.005	0.742
				0.009	0.007	1.23
DZCT		GUAM	1506	-2486.47550	-0.001	-0.189
				0.009	0.007	0.31
GROUP: 030312~1.ASC, obs#: 147						
DXCT		1204	1506	-91.65920	-0.008	-1.371
				0.008	0.006	2.18
DYCT		1204	1506	-1435.42210	-0.003	-0.541
				0.008	0.006	0.82
DZCT		1204	1506	3361.13420	0.001	0.163
				0.008	0.005	0.24
GROUP: 030312~1.ASC, obs#: 148						
DXCT		1015	1506	-3152.96650	0.006	0.404
				0.019	0.016	0.76
DYCT		1015	1506	-6250.84320	-0.004	-0.274
				0.018	0.015	0.50
DZCT		1015	1506	4599.00620	0.001	0.076
				0.018	0.015	0.14
GROUP: 030312~1.ASC, obs#: 149						
DXCT		GUAM	1605	-2614.48160	0.007	0.442
				0.017	0.016	0.97
DYCT		GUAM	1605	-831.75290	-0.020	-1.216
				0.017	0.016	2.63
DZCT		GUAM	1605	-6939.00100	-0.019	-1.211
				0.016	0.016	2.57

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: 030312~1.ASC,obs#: 150						
DXCT		1204	1605	-280.39920 0.003	-0.001 0.001	-0.984 0.82
DYCT		1204	1605	67.45570 0.003	0.001 0.001	1.514 1.03
DZCT		1204	1605	-1091.40910 0.003	0.001 0.001	1.558 0.75
GROUP: 030312~1.ASC,obs#: 151						
DXCT		305	1605	-4417.66410 0.017	0.005 0.015	0.312 0.61
DYCT		305	1605	-4507.44650 0.017	-0.009 0.014	-0.588 1.13
DZCT		305	1605	-4132.24950 0.016	-0.009 0.014	-0.653 1.23
GROUP: 030312~1.ASC,obs#: 152						
DXCT		GUAM	205	1205.98580 0.012	0.007 0.009	0.724 1.22
DYCT		GUAM	205	3446.69950 0.012	-0.001 0.009	-0.158 0.26
DZCT		GUAM	205	-4269.51470 0.012	0.004 0.009	0.438 0.72
GROUP: 030312~1.ASC,obs#: 153						
DXCT		1204	205	3540.07210 0.013	-0.005 0.010	-0.525 0.90
DYCT		1204	205	4345.92640 0.013	0.001 0.010	0.100 0.17
DZCT		1204	205	1578.10460 0.013	-0.003 0.010	-0.340 0.58
GROUP: 030312~1.ASC,obs#: 154						
DXCT		GUAM	304	386.58490 0.003	0.003 0.001	3.888 4.14
DYCT		GUAM	304	379.40430 0.002	-0.002 0.001	-4.235 3.44
DZCT		GUAM	304	408.28110 0.002	-0.001 0.000	-3.827 1.99
GROUP: 030312~1.ASC,obs#: 155						
DXCT		1204	304	2720.69290 0.015	-0.031 0.015	-2.082 4.46
DYCT		1204	304	1278.59930 0.015	0.032 0.015	2.162 4.61
DZCT		1204	304	6255.86750 0.015	0.024 0.015	1.638 3.48
GROUP: 030312~1.ASC,obs#: 156						
DXCT		GUAM	305	1803.18160 0.011	0.004 0.008	0.459 0.71
DYCT		GUAM	305	3675.69160 0.011	-0.009 0.008	-1.198 1.83
DZCT		GUAM	305	-2806.75160 0.011	-0.010 0.007	-1.315 1.96
GROUP: 030312~1.ASC,obs#: 157						
DXCT		1204	305	4137.26230 0.016	-0.003 0.013	-0.220 0.42

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		1204	305	4574.90160 0.015	0.010 0.013	0.791 1.50
DZCT		1204	305	3040.83960 0.015	0.011 0.013	0.861 1.59
GROUP: 030312~1.ASC, obs#: 158						
DXCT		GUAM	405	49.10120 0.010	-0.007 0.008	-0.905 1.66
DYCT		GUAM	405	1735.18300 0.010	0.008 0.008	0.977 1.79
DZCT		GUAM	405	-4021.95580 0.010	0.013 0.008	1.668 3.04
GROUP: 030312~1.ASC, obs#: 159						
DXCT		1204	405	2383.15940 0.009	0.009 0.007	1.251 2.19
DYCT		1204	405	2634.43100 0.009	-0.011 0.007	-1.558 2.71
DZCT		1204	405	1825.68830 0.009	-0.019 0.007	-2.742 4.74
GROUP: 030312~1.ASC, obs#: 160						
DXCT		GUAM	5	859.32290 0.011	0.005 0.008	0.588 1.03
DYCT		GUAM	5	2774.64400 0.011	-0.006 0.008	-0.672 1.15
DZCT		GUAM	5	-3853.32310 0.011	-0.008 0.008	-0.980 1.68
GROUP: 030312~1.ASC, obs#: 161						
DXCT		1204	5	3193.40500 0.012	-0.003 0.010	-0.282 0.55
DYCT		1204	5	3673.85930 0.012	0.009 0.010	0.869 1.62
DZCT		1204	5	1994.27230 0.012	0.008 0.010	0.866 1.59
GROUP: 030312~1.ASC, obs#: 162						
DXCT		GUAM	501	2041.48140 0.015	0.008 0.010	0.763 1.25
DYCT		GUAM	501	223.25370 0.014	-0.002 0.010	-0.185 0.28
DZCT		GUAM	501	6025.10120 0.014	-0.002 0.010	-0.230 0.34
GROUP: 030312~1.ASC, obs#: 163						
DXCT		NCS	501	1129.21200 0.019	0.010 0.015	0.633 1.15
DYCT		NCS	501	-1889.70960 0.018	0.000 0.015	0.017 0.03
DZCT		NCS	501	8024.09650 0.018	-0.005 0.015	-0.317 0.56
GROUP: 030312~1.ASC, obs#: 164						
DXCT		1204	501	4375.61400 0.029	-0.050 0.027	-1.899 3.97
DYCT		1204	501	1122.47770 0.028	0.004 0.025	0.140 0.28
DZCT		1204	501	11872.69240 0.018	0.018	0.720

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.021	0.017	0.59
DYCT		GUAM	1004	5618.09140	0.000	0.010
				0.021	0.017	0.02
DZCT		GUAM	1004	-7747.72640	-0.001	-0.053
				0.021	0.017	0.09
GROUP: 030412~1.ASC,obs#: 173						
DXCT		1204	1004	4101.57470	-0.000	-0.033
				0.017	0.012	0.05
DYCT		1204	1004	6517.31580	0.005	0.416
				0.017	0.012	0.65
DZCT		1204	1004	-1900.11660	0.001	0.095
				0.017	0.012	0.15
GROUP: 030412~1.ASC,obs#: 174						
DXCT		1407	1004	6005.84150	0.010	0.430
				0.026	0.023	0.80
DYCT		1407	1004	9893.20400	-0.012	-0.537
				0.026	0.023	1.00
DZCT		1407	1004	-3622.46580	-0.001	-0.056
				0.026	0.023	0.10
GROUP: 030412~1.ASC,obs#: 175						
DXCT		GUAM	1016	-1616.52660	0.019	0.802
				0.027	0.023	1.55
DYCT		GUAM	1016	2399.97100	-0.005	-0.218
				0.027	0.023	0.42
DZCT		GUAM	1016	-11734.26410	-0.015	-0.638
				0.026	0.023	1.20
GROUP: 030412~1.ASC,obs#: 176						
DXCT		1204	1016	717.57240	-0.006	-0.807
				0.015	0.007	0.89
DYCT		1204	1016	3299.19370	0.002	0.221
				0.015	0.007	0.24
DZCT		1204	1016	-5886.67140	0.005	0.645
				0.015	0.007	0.69
GROUP: 030412~1.ASC,obs#: 177						
DXCT		GUAM	106	166.29820	0.013	0.784
				0.020	0.017	1.50
DYCT		GUAM	106	3585.40150	-0.009	-0.548
				0.019	0.017	1.04
DZCT		GUAM	106	-8214.58720	-0.018	-1.042
				0.019	0.017	1.97
GROUP: 030412~1.ASC,obs#: 178						
DXCT		1204	106	2500.38840	-0.002	-0.302
				0.012	0.008	0.44
DYCT		1204	106	4484.61810	0.003	0.417
				0.012	0.008	0.60
DZCT		1204	106	-2366.99740	0.004	0.540
				0.012	0.008	0.77
GROUP: 030412~1.ASC,obs#: 179						
DXCT		GUAM	1204	-2334.06380	-0.010	-0.774
				0.014	0.013	1.64
DYCT		GUAM	1204	-899.23840	0.009	0.670
				0.014	0.013	1.42

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		GUAM	1204	-5847.60630 0.014	-0.006 0.013	-0.414 0.88
GROUP: 030412~1.ASC,obs#: 180						
DXCT		GUAM	1206	-3721.12520 0.017	-0.010 0.016	-0.629 1.30
DYCT		GUAM	1206	-2592.01840 0.017	0.004 0.016	0.239 0.49
DZCT		GUAM	1206	-6353.24020 0.017	-0.014 0.016	-0.880 1.81
GROUP: 030412~1.ASC,obs#: 181						
DXCT		1204	1206	-1387.06280 0.006	0.002 0.002	0.792 0.75
DYCT		1204	1206	-1692.78480 0.005	-0.000 0.002	-0.199 0.17
DZCT		1204	1206	-505.64380 0.005	0.001 0.002	0.771 0.60
GROUP: 030412~1.ASC,obs#: 182						
DXCT		GUAM	1305	-4139.39020 0.017	0.010 0.016	0.623 1.27
DYCT		GUAM	1305	-3337.89560 0.017	-0.019 0.016	-1.221 2.47
DZCT		GUAM	1305	-5665.32420 0.017	-0.014 0.016	-0.918 1.85
GROUP: 030412~1.ASC,obs#: 183						
DXCT		1204	1305	-1805.30330 0.007	-0.003 0.003	-0.861 0.91
DYCT		1204	1305	-2438.68880 0.007	0.003 0.003	1.076 1.10
DZCT		1204	1305	182.27020 0.007	0.003 0.003	1.047 1.03
GROUP: 030412~1.ASC,obs#: 184						
DXCT		106	1305	-4305.69880 0.019	0.007 0.016	0.431 0.80
DYCT		106	1305	-6923.30620 0.019	-0.001 0.016	-0.049 0.09
DZCT		106	1305	2549.27250 0.019	-0.006 0.015	-0.397 0.72
GROUP: 030412~1.ASC,obs#: 185						
DXCT		GUAM	1306	-2275.41760 0.023	0.004 0.020	0.179 0.36
DYCT		GUAM	1306	905.56640 0.023	0.007 0.020	0.362 0.73
DZCT		GUAM	1306	-9857.67300 0.022	-0.006 0.020	-0.316 0.62
GROUP: 030412~1.ASC,obs#: 186						
DXCT		1204	1306	58.66090 0.014	-0.001 0.008	-0.078 0.14
DYCT		1204	1306	1804.80440 0.012	-0.001 0.007	-0.188 0.28
DZCT		1204	1306	-4010.07060 0.011	0.003 0.006	0.564 0.72
GROUP: 030412~1.ASC,obs#: 187						

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		207	1306	-1778.48190 0.015	-0.001 0.006	-0.167 0.16
DYCT		207	1306	-4077.34760 0.014	-0.000 0.005	-0.046 0.04
DZCT		207	1306	3931.94350 0.013	-0.003 0.005	-0.548 0.45
GROUP: 030412~1.ASC,obs#: 188						
DXCT		GUAM	1407	-4238.34570 0.016	-0.005 0.014	-0.398 0.75
DYCT		GUAM	1407	-4275.09960 0.016	-0.001 0.014	-0.051 0.10
DZCT		GUAM	1407	-4125.26100 0.016	0.001 0.014	0.056 0.10
GROUP: 030412~1.ASC,obs#: 189						
DXCT		1204	1407	-1904.28010 0.009	0.003 0.005	0.613 0.75
DYCT		1204	1407	-3375.86960 0.009	-0.001 0.005	-0.262 0.32
DZCT		1204	1407	1722.35210 0.009	-0.000 0.005	-0.090 0.11
GROUP: 030412~1.ASC,obs#: 190						
DXCT		GUAM	1408	-1381.73710 0.017	-0.032 0.016	-2.008 4.11
DYCT		GUAM	1408	1204.58220 0.017	0.030 0.016	1.895 3.84
DZCT		GUAM	1408	-7681.08540 0.017	0.008 0.016	0.484 0.98
GROUP: 030412~1.ASC,obs#: 191						
DXCT		1204	1408	952.30020 0.007	0.005 0.003	1.538 1.53
DYCT		1204	1408	2103.84700 0.007	-0.005 0.003	-1.837 1.75
DZCT		1204	1408	-1833.46500 0.007	-0.001 0.003	-0.290 0.27
GROUP: 030412~1.ASC,obs#: 192						
DXCT		306	1408	-850.70470 0.015	0.003 0.010	0.325 0.45
DYCT		306	1408	-3653.57810 0.015	0.003 0.010	0.308 0.42
DZCT		306	1408	5900.71060 0.015	-0.003 0.010	-0.270 0.37
GROUP: 030412~1.ASC,obs#: 193						
DXCT		GUAM	1507	-2830.23940 0.019	-0.011 0.018	-0.609 1.29
DYCT		GUAM	1507	-690.35340 0.018	0.010 0.018	0.583 1.22
DZCT		GUAM	1507	-7955.26280 0.019	-0.008 0.018	-0.426 0.89
GROUP: 030412~1.ASC,obs#: 194						
DXCT		1204	1507	-496.17200 0.006	-0.004 0.002	-1.719 1.86
DYCT		1204	1507	208.88500	0.001	0.664

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.005	0.002	0.58
DZCT		1204	1507	-2107.66270	0.004	2.013
				0.005	0.002	1.94
GROUP: 030412~1.ASC,obs#: 195						
DXCT		406	1507	-1829.12940	0.027	2.915
				0.013	0.009	5.48
DYCT		406	1507	-3709.57090	-0.012	-1.582
				0.011	0.008	2.44
DZCT		406	1507	2702.36890	-0.021	-2.514
				0.012	0.008	4.21
GROUP: 030412~1.ASC,obs#: 196						
DXCT		GUAM	1606	-2653.33890	-0.009	-0.460
				0.020	0.019	0.94
DYCT		GUAM	1606	-36.49990	0.007	0.346
				0.020	0.019	0.71
DZCT		GUAM	1606	-8829.44700	-0.008	-0.450
				0.020	0.019	0.91
GROUP: 030412~1.ASC,obs#: 197						
DXCT		1204	1606	-319.27450	0.001	0.466
				0.007	0.002	0.36
DYCT		1204	1606	862.73680	-0.001	-0.364
				0.007	0.002	0.27
DZCT		1204	1606	-2981.84450	0.001	0.431
				0.007	0.002	0.30
GROUP: 030412~1.ASC,obs#: 198						
DXCT		GUAM	206	1890.86820	0.006	0.521
				0.015	0.012	0.90
DYCT		GUAM	206	4539.71070	-0.004	-0.312
				0.015	0.011	0.52
DZCT		GUAM	206	-4636.10650	0.001	0.122
				0.015	0.011	0.20
GROUP: 030412~1.ASC,obs#: 199						
DXCT		1204	206	4224.94420	0.004	0.362
				0.016	0.012	0.61
DYCT		1204	206	5438.93920	-0.003	-0.226
				0.015	0.012	0.38
DZCT		1204	206	1211.50730	-0.001	-0.049
				0.015	0.012	0.08
GROUP: 030412~1.ASC,obs#: 200						
DXCT		GUAM	207	-496.92550	-0.006	-0.203
				0.032	0.028	0.38
DYCT		GUAM	207	4982.92290	-0.001	-0.044
				0.032	0.028	0.08
DZCT		GUAM	207	-13789.60440	-0.016	-0.559
				0.032	0.028	1.07
GROUP: 030412~1.ASC,obs#: 201						
DXCT		GUAM	306	-531.06300	-0.005	-0.170
				0.032	0.029	0.34
DYCT		GUAM	306	4858.16850	0.019	0.661
				0.031	0.029	1.33
DZCT		GUAM	306	-13581.77970	-0.006	-0.207
				0.031	0.029	0.41

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: 030412~1.ASC,obs#: 202						
DXCT		1204	306	1802.99730 0.022	0.009 0.018	0.490 0.92
DYCT		1204	306	5757.42050 0.022	-0.004 0.018	-0.194 0.36
DZCT		1204	306	-7734.17100 0.022	-0.003 0.018	-0.155 0.29
GROUP: 030412~1.ASC,obs#: 203						
DXCT		GUAM	406	-1001.17010 0.024	0.022 0.022	0.992 1.99
DYCT		GUAM	406	3019.24290 0.024	-0.003 0.022	-0.136 0.27
DZCT		GUAM	406	-10657.58150 0.024	-0.037 0.022	-1.652 3.32
GROUP: 030412~1.ASC,obs#: 204						
DXCT		1204	406	1332.90890 0.014	0.017 0.011	1.650 2.74
DYCT		1204	406	3918.47780 0.014	-0.009 0.011	-0.791 1.35
DZCT		1204	406	-4809.99910 0.014	-0.007 0.011	-0.699 1.18
GROUP: 030412~1.ASC,obs#: 205						
DXCT		GUAM	505	222.51960 0.021	-0.010 0.018	-0.534 1.04
DYCT		GUAM	505	3837.32880 0.021	0.002 0.018	0.084 0.16
DZCT		GUAM	505	-8616.14150 0.020	-0.012 0.018	-0.665 1.27
GROUP: 030412~1.ASC,obs#: 206						
DXCT		1204	505	2556.58390 0.014	0.000 0.010	0.017 0.03
DYCT		1204	505	4736.56130 0.013	-0.002 0.009	-0.171 0.27
DZCT		1204	505	-2768.54510 0.013	0.003 0.009	0.377 0.57
GROUP: 030412~1.ASC,obs#: 207						
DXCT		1206	505	3943.63850 0.018	0.007 0.014	0.466 0.85
DYCT		1206	505	6429.34330 0.018	0.002 0.014	0.110 0.20
DZCT		1206	505	-2262.90170 0.017	0.003 0.014	0.180 0.32
GROUP: 030412~1.ASC,obs#: 208						
DXCT		GUAM	915	-3700.75320 0.014	-0.020 0.012	-1.667 3.12
DYCT		GUAM	915	-3760.77310 0.014	0.013 0.012	1.118 2.07
DZCT		GUAM	915	-3522.46500 0.014	0.004 0.012	0.305 0.56
GROUP: 030412~1.ASC,obs#: 209						
DXCT		1204	915	-1366.70340 0.009	0.005 0.005	0.911 1.19

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		1204	915	-2861.52720 0.009	-0.003 0.005	-0.672 0.86
DZCT		1204	915	2325.15230 0.009	-0.002 0.005	-0.372 0.47
GROUP: 030412~1.ASC, obs#: 210						
DXCT		206	915	-5591.67000 0.023	0.023 0.020	1.154 2.26
DYCT		206	915	-8300.45340 0.022	-0.014 0.019	-0.710 1.36
DZCT		206	915	1113.64230 0.022	0.001 0.019	0.075 0.14
GROUP: 030512.ASC, obs#: 211						
DXCT		GUAM	1017	-494.80920 0.032	0.010 0.031	0.312 0.67
DYCT		GUAM	1017	4969.46070 0.032	0.017 0.031	0.554 1.19
DZCT		GUAM	1017	-13747.29460 0.032	0.007 0.031	0.229 0.49
GROUP: 030512.ASC, obs#: 212						
DXCT		GUUG	1017	-1342.32460 0.010	0.001 0.009	0.124 0.26
DYCT		GUUG	1017	-3127.18760 0.010	-0.004 0.009	-0.451 0.93
DZCT		GUUG	1017	3063.27550 0.010	0.000 0.009	0.007 0.01
GROUP: 030512.ASC, obs#: 213						
DXCT		GUUG	1018	-2033.05930 0.018	-0.042 0.017	-2.517 5.29
DYCT		GUUG	1018	-5180.29520 0.018	-0.009 0.016	-0.549 1.13
DZCT		GUUG	1018	5767.83390 0.017	0.020 0.016	1.241 2.53
GROUP: 030512.ASC, obs#: 214						
DXCT		1017	1018	-690.78140 0.008	0.003 0.006	0.563 0.91
DYCT		1017	1018	-2053.11000 0.008	-0.002 0.005	-0.440 0.68
DZCT		1017	1018	2704.58090 0.008	-0.002 0.005	-0.441 0.66
GROUP: 030512.ASC, obs#: 215						
DXCT		GUAM	1018	-1185.59680 0.025	0.019 0.024	0.783 1.67
DYCT		GUAM	1018	2916.34330 0.025	0.022 0.024	0.929 1.96
DZCT		GUAM	1018	-11042.71320 0.025	0.004 0.024	0.184 0.39
GROUP: 030512.ASC, obs#: 216						
DXCT		1207	1018	-2070.80970 0.009	0.004 0.006	0.721 1.16
DYCT		1207	1018	-2921.25710 0.008	0.002 0.005	0.294 0.45
DZCT		1207	1018	5.46970	-0.002	-0.456

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.008	0.005	0.66
GROUP:	030512.ASC	,obs#:	217			
DXCT		GUUG	107	-127.95200	0.003	1.067
				0.005	0.003	1.69
DYCT		GUUG	107	-909.35440	-0.003	-0.929
				0.005	0.003	1.32
DZCT		GUUG	107	1731.57530	-0.005	-1.983
				0.004	0.003	2.58
GROUP:	030512.ASC	,obs#:	218			
DXCT		1017	107	1214.37860	-0.004	-0.714
				0.007	0.005	1.35
DYCT		1017	107	2217.83400	0.001	0.173
				0.007	0.005	0.31
DZCT		1017	107	-1331.71220	0.007	1.395
				0.006	0.005	2.41
GROUP:	030512.ASC	,obs#:	219			
DXCT		GUAM	107	719.56570	0.010	0.267
				0.036	0.036	0.58
DYCT		GUAM	107	7187.29380	0.019	0.532
				0.036	0.036	1.15
DZCT		GUAM	107	-15079.00020	0.007	0.208
				0.036	0.036	0.45
GROUP:	030512.ASC	,obs#:	220			
DXCT		1105	107	-469.44640	-0.007	-0.572
				0.014	0.012	1.10
DYCT		1105	107	1828.87720	0.012	1.040
				0.014	0.012	1.93
DZCT		1105	107	-5933.25680	0.012	1.096
				0.014	0.011	1.99
GROUP:	030512.ASC	,obs#:	221			
DXCT		GUUG	1104	349.39360	0.004	0.221
				0.019	0.018	0.44
DYCT		GUUG	1104	-2969.70580	-0.005	-0.277
				0.019	0.017	0.55
DZCT		GUUG	1104	8282.05020	0.006	0.339
				0.019	0.017	0.67
GROUP:	030512.ASC	,obs#:	222			
DXCT		1017	1104	1691.70920	0.012	1.296
				0.012	0.009	2.13
DYCT		1017	1104	157.49230	-0.011	-1.244
				0.012	0.009	2.01
DZCT		1017	1104	5218.78550	-0.005	-0.556
				0.012	0.009	0.90
GROUP:	030512.ASC	,obs#:	223			
DXCT		GUAM	1104	1196.94260	-0.021	-1.042
				0.022	0.020	2.10
DYCT		GUAM	1104	5126.93020	0.029	1.448
				0.022	0.020	2.91
DZCT		GUAM	1104	-8528.48450	-0.022	-1.106
				0.022	0.020	2.23
GROUP:	030512.ASC	,obs#:	224			
DXCT		307	1104	552.84150	-0.012	-0.868

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.017	0.014	1.69
DYCT		307	1104	-2148.70270	0.007	0.534
				0.016	0.014	1.01
DZCT		307	1104	6955.22660	0.017	1.225
				0.016	0.014	2.33
GROUP: 030512.ASC ,obs#: 225						
DXCT		GUUG	1105	341.49820	0.006	0.390
				0.018	0.016	0.78
DYCT		GUUG	1105	-2738.23950	-0.007	-0.417
				0.018	0.016	0.83
DZCT		GUUG	1105	7664.82950	-0.015	-0.926
				0.018	0.016	1.82
GROUP: 030512.ASC ,obs#: 226						
DXCT		1017	1105	1683.83470	-0.007	-0.820
				0.011	0.008	1.37
DYCT		1017	1105	388.94030	0.005	0.673
				0.011	0.008	1.09
DZCT		1017	1105	4601.53680	0.002	0.295
				0.011	0.008	0.47
GROUP: 030512.ASC ,obs#: 227						
DXCT		GUAM	1105	1189.02670	0.002	0.086
				0.023	0.022	0.18
DYCT		GUAM	1105	5358.40370	0.020	0.914
				0.023	0.022	1.88
DZCT		GUAM	1105	-9145.79800	0.050	2.273
				0.023	0.022	4.66
GROUP: 030512.ASC ,obs#: 228						
DXCT		1017	1204	-1839.25210	-0.023	-1.066
				0.022	0.021	2.27
DYCT		1017	1204	-5868.69210	-0.015	-0.721
				0.022	0.021	1.54
DZCT		1017	1204	7899.65760	0.018	0.840
				0.022	0.021	1.79
GROUP: 030512.ASC ,obs#: 229						
DXCT		GUAM	1204	-2334.05460	-0.020	-1.445
				0.014	0.014	3.09
DYCT		GUAM	1204	-899.23910	0.010	0.718
				0.014	0.014	1.53
DZCT		GUAM	1204	-5847.62760	0.016	1.162
				0.014	0.014	2.47
GROUP: 030512.ASC ,obs#: 230						
DXCT		GUUG	1207	37.70460	-0.001	-0.059
				0.014	0.013	0.12
DYCT		GUUG	1207	-2259.04090	-0.008	-0.632
				0.014	0.012	1.27
DZCT		GUUG	1207	5762.38370	0.003	0.259
				0.013	0.012	0.51
GROUP: 030512.ASC ,obs#: 231						
DXCT		1017	1207	1380.02710	0.000	0.037
				0.007	0.005	0.06
DYCT		1017	1207	868.14110	0.002	0.429
				0.007	0.005	0.64

Residuals (critical value = 4.241):

TYPE AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT	1017	1207	2699.11360 0.007	-0.002 0.005	-0.509 0.73
GROUP: 030512.ASC ,obs#: 232					
DXCT	GUAM	1207	885.18550 0.027	0.042 0.027	1.592 3.38
DYCT	GUAM	1207	5837.59800 0.027	0.023 0.027	0.875 1.86
DZCT	GUAM	1207	-11048.17300 0.027	-0.003 0.026	-0.117 0.25
GROUP: 030512.ASC ,obs#: 233					
DXCT	GUUG	1307	891.50380 0.020	-0.004 0.018	-0.194 0.38
DYCT	GUUG	1307	-2493.61180 0.020	-0.005 0.018	-0.286 0.55
DZCT	GUUG	1307	8988.75480 0.020	0.017 0.018	0.920 1.78
GROUP: 030512.ASC ,obs#: 234					
DXCT	1017	1307	2233.82770 0.014	-0.004 0.010	-0.386 0.63
DYCT	1017	1307	633.57590 0.014	-0.001 0.010	-0.098 0.16
DZCT	1017	1307	5925.49240 0.014	0.004 0.010	0.340 0.55
GROUP: 030512.ASC ,obs#: 235					
DXCT	GUAM	1307	1739.00550 0.021	0.019 0.019	0.972 1.92
DYCT	GUAM	1307	5603.04410 0.021	0.009 0.019	0.462 0.91
DZCT	GUAM	1307	-7821.77740 0.021	-0.014 0.019	-0.734 1.44
GROUP: 030512.ASC ,obs#: 236					
DXCT	GUUG	1409	-181.89830 0.016	-0.007 0.014	-0.529 1.09
DYCT	GUUG	1409	-2765.81310 0.015	-0.005 0.014	-0.336 0.68
DZCT	GUUG	1409	6294.17700 0.015	-0.008 0.014	-0.582 1.16
GROUP: 030512.ASC ,obs#: 237					
DXCT	1017	1409	1160.41760 0.008	0.000 0.006	0.008 0.01
DYCT	1017	1409	361.37290 0.008	0.001 0.005	0.221 0.35
DZCT	1017	1409	3230.89390 0.008	-0.000 0.005	-0.091 0.14
GROUP: 030512.ASC ,obs#: 238					
DXCT	GUAM	1409	665.58570 0.026	0.033 0.025	1.286 2.76
DYCT	GUAM	1409	5330.83840 0.026	0.014 0.025	0.548 1.17
DZCT	GUAM	1409	-10516.44790 0.026	0.054 0.025	2.165 4.57
GROUP: 030512.ASC ,obs#: 239					

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		308	1409	429.09140 0.011	-0.002 0.009	-0.226 0.42
DYCT		308	1409	-1195.64320 0.011	-0.002 0.009	-0.253 0.46
DZCT		308	1409	4558.00290 0.010	-0.004 0.008	-0.482 0.86
GROUP: 030512.ASC ,obs#: 240						
DXCT		GUUG	1607	615.87180 0.019	0.003 0.017	0.198 0.40
DYCT		GUUG	1607	-2556.41520 0.019	-0.002 0.017	-0.105 0.21
DZCT		GUUG	1607	8152.84360 0.019	0.009 0.017	0.545 1.08
GROUP: 030512.ASC ,obs#: 241						
DXCT		1017	1607	1958.20970 0.013	-0.011 0.010	-1.144 2.02
DYCT		1017	1607	570.77050 0.012	0.004 0.010	0.460 0.80
DZCT		1017	1607	5089.58200 0.012	-0.005 0.009	-0.506 0.86
GROUP: 030512.ASC ,obs#: 242						
DXCT		GUAM	1607	1463.38710 0.023	0.012 0.021	0.571 1.17
DYCT		GUAM	1607	5540.24220 0.023	0.011 0.021	0.509 1.04
DZCT		GUAM	1607	-8657.66590 0.022	-0.044 0.021	-2.087 4.26
GROUP: 030512.ASC ,obs#: 243						
DXCT		407	1607	-1099.34340 0.019	0.010 0.016	0.634 1.25
DYCT		407	1607	-4403.28190 0.018	-0.013 0.016	-0.831 1.62
DZCT		407	1607	6927.95750 0.018	0.010 0.016	0.622 1.19
GROUP: 030512.ASC ,obs#: 244						
DXCT		307	1607	819.30480 0.019	0.002 0.017	0.124 0.29
DYCT		307	1607	-1735.40100 0.017	-0.001 0.015	-0.048 0.10
DZCT		307	1607	6826.02450 0.016	0.016 0.014	1.151 2.23
GROUP: 030512.ASC ,obs#: 245						
DXCT		GUUG	1608	-154.87800 0.016	-0.005 0.014	-0.343 0.72
DYCT		GUUG	1608	-2740.10730 0.015	-0.009 0.014	-0.642 1.32
DZCT		GUUG	1608	6312.00450 0.015	-0.003 0.014	-0.199 0.41
GROUP: 030512.ASC ,obs#: 246						
DXCT		1017	1608	1187.44110 0.008	-0.001 0.006	-0.110 0.18
DYCT		1017	1608	387.07630	-0.001	-0.135

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.008	0.006	0.23
DZCT		1017	1608	3248.72830	-0.002	-0.384
				0.008	0.006	0.62
GROUP:	030512.ASC	,obs#:	247			
DXCT		GUAM	1608	692.62840	0.013	0.502
				0.026	0.025	1.07
DYCT		GUAM	1608	5356.52270	0.031	1.234
				0.026	0.025	2.62
DZCT		GUAM	1608	-10498.59750	0.036	1.451
				0.026	0.025	3.07
GROUP:	030512.ASC	,obs#:	248			
DXCT		GUUG	307	-203.42680	-0.005	-1.939
				0.005	0.003	3.10
DYCT		GUUG	307	-821.01900	0.004	1.791
				0.004	0.002	2.36
DZCT		GUUG	307	1326.80620	0.006	3.362
				0.004	0.002	4.02
GROUP:	030512.ASC	,obs#:	249			
DXCT		1017	307	1138.88650	0.005	0.883
				0.007	0.006	1.69
DYCT		1017	307	2306.18290	-0.006	-1.094
				0.007	0.006	2.03
DZCT		1017	307	-1736.44970	-0.013	-2.332
				0.007	0.006	4.30
GROUP:	030512.ASC	,obs#:	250			
DXCT		GUAM	307	644.02960	0.063	1.694
				0.037	0.037	3.67
DYCT		GUAM	307	7275.67140	-0.017	-0.452
				0.037	0.037	0.97
DZCT		GUAM	307	-15483.74480	-0.006	-0.153
				0.037	0.037	0.33
GROUP:	030512.ASC	,obs#:	251			
DXCT		GUUG	308	-610.99120	-0.004	-0.910
				0.006	0.004	1.65
DYCT		GUUG	308	-1570.16880	-0.004	-0.883
				0.006	0.004	1.49
DZCT		GUUG	308	1736.17470	-0.005	-1.181
				0.005	0.004	1.88
GROUP:	030512.ASC	,obs#:	252			
DXCT		1017	308	731.32540	0.003	0.753
				0.006	0.004	1.30
DYCT		1017	308	1557.01730	0.002	0.624
				0.005	0.003	1.00
DZCT		1017	308	-1327.10810	0.003	0.833
				0.005	0.003	1.23
GROUP:	030512.ASC	,obs#:	253			
DXCT		GUAM	308	236.52740	0.001	0.041
				0.036	0.036	0.09
DYCT		GUAM	308	6526.48470	0.013	0.362
				0.036	0.036	0.78
DZCT		GUAM	308	-15074.39760	0.005	0.136
				0.036	0.035	0.29

Residuals (critical value = 4.241):

TYPE AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: 030512.ASC	, obs#:	254			
DXCT	GUUG	407	1715.20670 0.008	0.002 0.005	0.341 0.55
DYCT	GUUG	407	1846.88120 0.007	-0.003 0.004	-0.701 1.02
DZCT	GUUG	407	1224.88390 0.006	0.002 0.003	0.472 0.57
GROUP: 030512.ASC	, obs#:	255			
DXCT	1017	407	3057.53210 0.014	-0.000 0.012	-0.036 0.07
DYCT	1017	407	4974.06750 0.014	0.003 0.012	0.225 0.45
DZCT	1017	407	-1838.38230 0.013	-0.008 0.012	-0.645 1.27
GROUP: 030512.ASC	, obs#:	256			
DXCT	1307	407	823.70350 0.020	0.004 0.018	0.253 0.50
DYCT	1307	407	4340.49460 0.020	0.001 0.017	0.044 0.08
DZCT	1307	407	-7763.89650 0.020	0.011 0.017	0.625 1.18
GROUP: 030512.ASC	, obs#:	257			
DXCT	1017	506	-1363.64110 0.012	-0.005 0.009	-0.492 0.87
DYCT	1017	506	-3410.94380 0.012	-0.014 0.009	-1.574 2.68
DZCT	1017	506	3693.02260 0.012	0.011 0.009	1.275 2.09
GROUP: 030512.ASC	, obs#:	258			
DXCT	GUAM	506	-1858.43820 0.023	-0.007 0.021	-0.320 0.66
DYCT	GUAM	506	1558.50710 0.023	0.013 0.021	0.626 1.28
DZCT	GUAM	506	-10054.26020 0.022	0.006 0.021	0.299 0.61
GROUP: 030512.ASC	, obs#:	259			
DXCT	1204	506	475.62320 0.011	0.006 0.008	0.761 1.24
DYCT	1204	506	2457.74080 0.011	0.009 0.008	1.140 1.82
DZCT	1204	506	-4206.63080 0.011	-0.011 0.008	-1.463 2.29
GROUP: 030512.ASC	, obs#:	260			
DXCT	GUUG	507	-1425.85210 0.011	-0.007 0.010	-0.661 1.45
DYCT	GUUG	507	-3277.96910 0.011	-0.007 0.010	-0.733 1.55
DZCT	GUUG	507	3156.91420 0.011	0.002 0.010	0.191 0.41
GROUP: 030512.ASC	, obs#:	261			
DXCT	1017	507	-83.53650 0.003	0.001 0.001	0.648 4.62

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		1017	507	-150.78430 0.002	-0.000 0.001	-0.426 1.71
DZCT		1017	507	93.64130 0.003	-0.001 0.001	-0.652 3.54
GROUP: 030512.ASC ,obs#: 262						
DXCT		GUAM	507	-578.33180 0.033	-0.003 0.033	-0.097 0.22
DYCT		GUAM	507	4818.65750 0.032	0.036 0.032	1.140 2.48
DZCT		GUAM	507	-13653.68070 0.032	0.034 0.032	1.063 2.34
GROUP: 030512.ASC ,obs#: 263						
DXCT		1608	507	-1270.97480 0.009	-0.001 0.007	-0.174 0.36
DYCT		1608	507	-537.86000 0.008	-0.000 0.006	-0.024 0.04
DZCT		1608	507	-3155.08620 0.008	0.001 0.007	0.102 0.19
GROUP: 030512.ASC ,obs#: 264						
DXCT		GUUG	6	334.26360 0.005	0.002 0.002	1.072 1.55
DYCT		GUUG	6	-209.56280 0.004	-0.002 0.002	-1.268 1.53
DZCT		GUUG	6	1558.43080 0.004	-0.003 0.002	-1.559 1.70
GROUP: 030512.ASC ,obs#: 265						
DXCT		1017	6	1676.59410 0.008	-0.005 0.007	-0.654 1.24
DYCT		1017	6	2917.62120 0.008	0.005 0.007	0.777 1.47
DZCT		1017	6	-1504.85660 0.008	0.009 0.007	1.309 2.47
GROUP: 030512.ASC ,obs#: 266						
DXCT		GUAM	6	1181.80630 0.037	-0.016 0.037	-0.434 0.94
DYCT		GUAM	6	7887.07090 0.037	0.034 0.037	0.912 1.97
DZCT		GUAM	6	-15252.14940 0.037	0.015 0.037	0.391 0.84
GROUP: 030612.ASC ,obs#: 267						
DXCT		1208	1005	-6947.27860 0.025	-0.054 0.024	-2.259 4.73
DYCT		1208	1005	-8951.29800 0.025	0.027 0.024	1.128 2.35
DZCT		1208	1005	-1710.53050 0.025	0.023 0.024	0.975 2.02
GROUP: 030612.ASC ,obs#: 268						
DXCT		GUUG	1005	-1380.77040 0.011	0.022 0.008	2.629 4.49
DYCT		GUUG	1005	-3284.01540 0.011	-0.019 0.008	-2.321 3.85
DZCT		GUUG	1005	3335.61530	-0.002	-0.294

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.011	0.008	0.48
GROUP:	030612.ASC	,obs#:	269			
DXCT		GUAM	1005	-533.19880	-0.026	-0.835
				0.032	0.031	1.79
DYCT		GUAM	1005	4812.62290	0.013	0.421
				0.031	0.031	0.90
DZCT		GUAM	1005	-13474.88990	-0.060	-1.989
				0.031	0.030	4.20
GROUP:	030612.ASC	,obs#:	270			
DXCT		1208	1019	-4726.01430	0.009	0.425
				0.022	0.020	0.87
DYCT		1208	1019	-3316.44530	0.008	0.397
				0.022	0.020	0.81
DZCT		1208	1019	-8153.67900	0.020	0.987
				0.022	0.020	2.00
GROUP:	030612.ASC	,obs#:	271			
DXCT		GUUG	1019	840.58430	-0.006	-1.189
				0.009	0.005	1.42
DYCT		GUUG	1019	2350.79910	0.001	0.121
				0.009	0.005	0.14
DZCT		GUUG	1019	-3107.53620	-0.003	-0.560
				0.009	0.005	0.63
GROUP:	030612.ASC	,obs#:	272			
DXCT		GUAM	1019	1688.08120	0.022	0.445
				0.049	0.048	0.95
DYCT		GUAM	1019	10447.46260	0.007	0.146
				0.049	0.048	0.31
DZCT		GUAM	1019	-19918.10550	0.004	0.079
				0.049	0.048	0.17
GROUP:	030612.ASC	,obs#:	273			
DXCT		1107	1019	234.64350	0.016	0.992
				0.019	0.016	1.85
DYCT		1107	1019	3501.28550	-0.009	-0.583
				0.019	0.016	1.08
DZCT		1107	1019	-7977.00390	-0.004	-0.227
				0.019	0.016	0.42
GROUP:	030612.ASC	,obs#:	274			
DXCT		1208	108	-4540.89940	-0.032	-1.921
				0.017	0.017	4.08
DYCT		1208	108	-4434.72550	0.040	2.373
				0.017	0.017	5.03
DZCT		1208	108	-4660.93770	0.024	1.463
				0.017	0.017	3.10
GROUP:	030612.ASC	,obs#:	275			
DXCT		GUUG	108	1025.64650	0.006	3.643
				0.004	0.002	3.80
DYCT		GUUG	108	1232.55710	-0.006	-4.221
				0.004	0.001	3.71
DZCT		GUUG	108	385.21080	-0.004	-2.817
				0.004	0.001	2.33
GROUP:	030612.ASC	,obs#:	276			
DXCT		1208	1106	-2382.79580	-0.006	-1.190

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.009	0.005	1.57
DYCT		1208	1106	-3064.98200	0.009	1.666
				0.009	0.005	2.18
DZCT		1208	1106	-616.55730	0.012	2.299
				0.009	0.005	2.98
GROUP: 030612.ASC ,obs#: 277						
DXCT		GUUG	1106	3183.77200	0.010	0.910
				0.013	0.011	1.71
DYCT		GUUG	1106	2602.27810	-0.015	-1.300
				0.013	0.011	2.42
DZCT		GUUG	1106	4429.59790	-0.023	-2.070
				0.013	0.011	3.84
GROUP: 030612.ASC ,obs#: 278						
DXCT		1208	1107	-4960.67410	0.009	0.535
				0.019	0.016	1.04
DYCT		1208	1107	-6817.71550	0.002	0.132
				0.018	0.016	0.26
DZCT		1208	1107	-176.67060	0.019	1.176
				0.018	0.016	2.27
GROUP: 030612.ASC ,obs#: 279						
DXCT		GUUG	1107	605.91920	-0.000	-0.024
				0.012	0.008	0.04
DYCT		GUUG	1107	-1150.47130	-0.005	-0.678
				0.011	0.008	1.02
DZCT		GUUG	1107	4869.47270	-0.004	-0.535
				0.011	0.007	0.77
GROUP: 030612.ASC ,obs#: 280						
DXCT		GUAM	1107	1453.42350	0.020	0.672
				0.030	0.029	1.41
DYCT		GUAM	1107	6946.18560	0.008	0.274
				0.030	0.029	0.57
DZCT		GUAM	1107	-11941.06210	-0.032	-1.110
				0.030	0.029	2.31
GROUP: 030612.ASC ,obs#: 281						
DXCT		1208	1108	-1710.43020	-0.014	-3.522
				0.007	0.004	4.92
DYCT		1208	1108	-2009.73380	0.015	4.116
				0.006	0.004	5.40
DZCT		1208	1108	-1018.04920	0.011	2.909
				0.006	0.004	3.74
GROUP: 030612.ASC ,obs#: 282						
DXCT		GUUG	1108	3856.11060	0.030	2.151
				0.015	0.014	4.44
DYCT		GUUG	1108	3657.55310	-0.035	-2.552
				0.015	0.014	5.21
DZCT		GUUG	1108	4028.10500	-0.023	-1.721
				0.015	0.014	3.50
GROUP: 030612.ASC ,obs#: 283						
DXCT		GUAM	1108	4703.68070	-0.016	-0.417
				0.040	0.039	0.91
DYCT		GUAM	1108	11754.17150	0.017	0.434
				0.039	0.039	0.94

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		GUAM	1108	-12782.46250 0.039	-0.019 0.039	-0.483 1.05
GROUP: 030612.ASC ,obs#: 284						
DXCT		108	1108	2830.46540 0.012	0.022 0.010	2.226 4.23
DYCT		108	1108	2424.99390 0.012	-0.027 0.010	-2.700 5.09
DZCT		108	1108	3642.89110 0.011	-0.016 0.010	-1.679 3.15
GROUP: 030612.ASC ,obs#: 285						
DXCT		GUAM	1208	6414.12290 0.041	-0.015 0.041	-0.351 0.76
DYCT		GUAM	1208	13763.90120 0.041	0.006 0.041	0.137 0.30
DZCT		GUAM	1208	-11764.42150 0.041	-0.021 0.041	-0.511 1.10
GROUP: 030612.ASC ,obs#: 286						
DXCT		GUUG	1208	5566.55850 0.020	0.026 0.020	1.271 2.74
DYCT		GUUG	1208	5667.26740 0.020	-0.030 0.020	-1.503 3.24
DZCT		GUUG	1208	5046.14510 0.020	-0.025 0.020	-1.223 2.64
GROUP: 030612.ASC ,obs#: 287						
DXCT		1208	1209	-3911.72700 0.016	-0.040 0.013	-3.012 5.71
DYCT		1208	1209	-5751.05850 0.015	0.022 0.013	1.714 3.21
DZCT		1208	1209	797.51150 0.015	0.024 0.013	1.818 3.39
GROUP: 030612.ASC ,obs#: 288						
DXCT		GUUG	1209	1654.80060 0.014	0.017 0.011	1.486 2.75
DYCT		GUUG	1209	-83.78080 0.013	-0.018 0.011	-1.683 3.01
DZCT		GUUG	1209	5843.66050 0.013	-0.005 0.011	-0.469 0.83
GROUP: 030612.ASC ,obs#: 289						
DXCT		GUAM	1209	2502.34080 0.031	0.001 0.030	0.018 0.04
DYCT		GUAM	1209	8012.83390 0.030	0.037 0.029	1.267 2.68
DZCT		GUAM	1209	-10966.85640 0.030	-0.051 0.029	-1.764 3.70
GROUP: 030612.ASC ,obs#: 290						
DXCT		1005	1209	3035.55470 0.012	0.011 0.008	1.410 2.19
DYCT		1005	1209	3200.24020 0.011	-0.005 0.008	-0.675 1.01
DZCT		1005	1209	2508.04510 0.011	-0.003 0.007	-0.348 0.51
GROUP: 030612.ASC ,obs#: 291						

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		1208	1308	-4001.45780 0.015	-0.007 0.013	-0.520 1.00
DYCT		1208	1308	-5244.81680 0.015	0.021 0.013	1.632 3.10
DZCT		1208	1308	-752.40340 0.015	0.027 0.013	2.123 4.04
GROUP: 030612.ASC ,obs#: 292						
DXCT		GUUG	1308	1565.12240 0.010	-0.003 0.007	-0.340 0.55
DYCT		GUUG	1308	422.44750 0.010	-0.007 0.007	-0.944 1.48
DZCT		GUUG	1308	4293.75500 0.010	-0.011 0.007	-1.564 2.47
GROUP: 030612.ASC ,obs#: 293						
DXCT		GUAM	1308	2412.67730 0.034	-0.033 0.033	-1.013 2.18
DYCT		GUAM	1308	8519.06540 0.033	0.045 0.033	1.386 2.95
DZCT		GUAM	1308	-12516.83900 0.034	0.020 0.033	0.602 1.29
GROUP: 030612.ASC ,obs#: 294						
DXCT		7	1308	807.03990 0.015	0.020 0.012	1.614 3.05
DYCT		7	1308	-1470.23640 0.015	-0.016 0.012	-1.341 2.47
DZCT		7	1308	6338.70860 0.015	-0.009 0.012	-0.706 1.32
GROUP: 030612.ASC ,obs#: 295						
DXCT		1208	1410	-3207.76100 0.013	-0.025 0.010	-2.516 4.47
DYCT		1208	1410	-4529.49810 0.012	0.032 0.010	3.284 5.68
DZCT		1208	1410	204.24980 0.012	0.016 0.010	1.640 2.82
GROUP: 030612.ASC ,obs#: 296						
DXCT		GUUG	1410	2358.77120 0.013	0.027 0.011	2.552 4.65
DYCT		GUUG	1410	1137.79700 0.013	-0.027 0.010	-2.549 4.54
DZCT		GUUG	1410	5250.39610 0.013	-0.010 0.010	-1.002 1.77
GROUP: 030612.ASC ,obs#: 297						
DXCT		GUAM	1410	3206.30370 0.033	0.019 0.032	0.582 1.24
DYCT		GUAM	1410	9234.42700 0.033	0.013 0.032	0.414 0.88
DZCT		GUAM	1410	-11560.15580 0.033	-0.021 0.032	-0.671 1.42
GROUP: 030612.ASC ,obs#: 298						
DXCT		1005	1410	3739.54970 0.014	-0.003 0.011	-0.251 0.44
DYCT		1005	1410	4421.81630	-0.012	-1.113

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.014	0.011	1.93
DZCT		1005	1410	1914.77690	-0.004	-0.412
				0.013	0.010	0.68
GROUP:	030612.ASC	,obs#:	299			
DXCT		1208	1508	-3013.29590	0.008	0.979
				0.011	0.008	1.60
DYCT		1208	1508	-3970.87830	-0.001	-0.149
				0.011	0.008	0.24
DZCT		1208	1508	-485.30820	0.009	1.089
				0.011	0.008	1.75
GROUP:	030612.ASC	,obs#:	300			
DXCT		GUUG	1508	2553.31150	-0.015	-1.546
				0.012	0.010	2.75
DYCT		GUUG	1508	1696.35580	0.002	0.165
				0.012	0.010	0.29
DZCT		GUUG	1508	4560.82190	-0.001	-0.117
				0.012	0.009	0.20
GROUP:	030612.ASC	,obs#:	301			
DXCT		GUAM	1508	3400.85010	-0.030	-0.854
				0.036	0.035	1.85
DYCT		GUAM	1508	9792.98200	0.045	1.318
				0.035	0.034	2.83
DZCT		GUAM	1508	-12249.73420	-0.008	-0.234
				0.035	0.034	0.50
GROUP:	030612.ASC	,obs#:	302			
DXCT		1208	1509	-201.04050	-0.002	-3.056
				0.003	0.001	3.40
DYCT		1208	1509	-89.01690	0.002	3.908
				0.002	0.000	2.98
DZCT		1208	1509	-494.08130	0.001	2.673
				0.002	0.000	1.21
GROUP:	030612.ASC	,obs#:	303			
DXCT		GUUG	1509	5365.51990	0.022	1.108
				0.020	0.020	2.46
DYCT		GUUG	1509	5578.27320	-0.052	-2.626
				0.020	0.020	5.75
DZCT		GUUG	1509	4552.05740	-0.018	-0.914
				0.020	0.019	1.98
GROUP:	030612.ASC	,obs#:	304			
DXCT		1208	1609	-3948.44440	-0.022	-1.731
				0.014	0.013	3.41
DYCT		1208	1609	-4680.52480	0.029	2.306
				0.014	0.013	4.54
DZCT		1208	1609	-2153.64840	0.019	1.450
				0.014	0.013	2.85
GROUP:	030612.ASC	,obs#:	305			
DXCT		GUUG	1609	1618.10510	0.013	2.438
				0.008	0.005	3.66
DYCT		GUUG	1609	986.75270	-0.011	-2.244
				0.008	0.005	3.22
DZCT		GUUG	1609	2892.49610	-0.006	-1.184
				0.008	0.005	1.66

Residuals (critical value = 4.241):

TYPE AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: 030612.ASC	,obs#:	306			
DXCT	7	1609	860.06730 0.011	-0.010 0.009	-1.093 1.88
DYCT	7	1609	-905.95480 0.011	0.003 0.009	0.353 0.60
DZCT	7	1609	4937.44710 0.011	-0.000 0.009	-0.048 0.08
GROUP: 030612.ASC	,obs#:	307			
DXCT	1208	1610	18.65100 0.002	0.009 0.001	11.673 296.99
DYCT	1208	1610	24.05430 0.001	-0.007 0.001	-12.096 236.16
DZCT	1208	1610	7.12930 0.001	-0.004 0.000	-14.380 114.44
GROUP: 030612.ASC	,obs#:	308			
DXCT	GUUG	1610	5585.18270 0.021	0.062 0.021	2.971 6.56
DYCT	GUUG	1610	5691.34950 0.021	-0.066 0.021	-3.178 6.96
DZCT	GUUG	1610	5053.29530 0.020	-0.049 0.020	-2.409 5.22
GROUP: 030612.ASC	,obs#:	309			
DXCT	1208	208	-4707.44910 0.026	0.005 0.023	0.209 0.41
DYCT	1208	208	-2261.77540 0.026	0.005 0.023	0.228 0.45
DZCT	1208	208	-10639.17060 0.026	0.024 0.023	1.023 2.00
GROUP: 030612.ASC	,obs#:	310			
DXCT	GUUG	208	859.14000 0.014	0.000 0.009	0.006 0.01
DYCT	GUUG	208	3405.47200 0.014	-0.005 0.009	-0.554 0.79
DZCT	GUUG	208	-5593.01160 0.014	-0.015 0.009	-1.601 2.27
GROUP: 030612.ASC	,obs#:	311			
DXCT	GUAM	208	1706.67490 0.055	-0.011 0.054	-0.202 0.43
DYCT	GUAM	208	11502.12250 0.055	0.014 0.054	0.267 0.57
DZCT	GUAM	208	-22403.60750 0.055	0.018 0.053	0.336 0.71
GROUP: 030612.ASC	,obs#:	312			
DXCT	1208	209	-5226.59960 0.019	-0.021 0.018	-1.154 2.44
DYCT	1208	209	-6184.88500 0.019	0.031 0.018	1.713 3.61
DZCT	1208	209	-2657.96160 0.019	0.023 0.018	1.272 2.65

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP:	030612.ASC	,obs#:	313			
DXCT		GUUG	209	339.95640 0.007	0.007 0.003	2.462 3.04
DYCT		GUUG	209	-517.60860 0.006	-0.009 0.003	-3.248 3.56
DZCT		GUUG	209	2388.18590 0.006	-0.005 0.002	-2.070 1.88
GROUP:	030612.ASC	,obs#:	314			
DXCT		1509	209	-5025.55440 0.019	-0.024 0.017	-1.353 2.89
DYCT		1509	209	-6095.87590 0.018	0.037 0.017	2.144 4.51
DZCT		1509	209	-2163.87710 0.018	0.019 0.017	1.102 2.29
GROUP:	030612.ASC	,obs#:	315			
DXCT		1208	408	-4708.06880 0.026	-0.011 0.023	-0.496 0.97
DYCT		1208	408	-2263.08670 0.026	0.013 0.023	0.556 1.08
DZCT		1208	408	-10638.58950 0.026	0.023 0.023	0.987 1.93
GROUP:	030612.ASC	,obs#:	316			
DXCT		GUUG	408	858.49580 0.014	0.008 0.009	0.889 1.25
DYCT		GUUG	408	3404.17330 0.014	-0.010 0.009	-1.111 1.55
DZCT		GUUG	408	-5592.43430 0.014	-0.012 0.009	-1.326 1.84
GROUP:	030612.ASC	,obs#:	317			
DXCT		1106	408	-2325.26770 0.022	-0.011 0.019	-0.563 1.03
DYCT		1106	408	801.88500 0.022	0.015 0.019	0.776 1.41
DZCT		1106	408	-10022.03300 0.022	0.012 0.019	0.633 1.15
GROUP:	030612.ASC	,obs#:	318			
DXCT		1208	508	-4284.99720 0.022	-0.002 0.020	-0.087 0.18
DYCT		1208	508	-2364.11350 0.022	0.001 0.020	0.041 0.08
DZCT		1208	508	-8677.88820 0.022	0.029 0.020	1.464 2.91
GROUP:	030612.ASC	,obs#:	319			
DXCT		GUUG	508	1281.57340 0.012	0.012 0.008	1.570 2.35
DYCT		GUUG	508	3303.13210 0.012	-0.008 0.007	-1.068 1.55
DZCT		GUUG	508	-3631.72160 0.011	-0.017 0.007	-2.484 3.42
GROUP:	030612.ASC	,obs#:	320			
DXCT		GUAM	508	2129.14440 0.052	-0.035 0.051	-0.681 1.49

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		GUAM	508	11399.76500 0.052	0.029 0.051	0.573 1.24
DZCT		GUAM	508	-20442.33190 0.051	0.030 0.050	0.596 1.28
GROUP: 030612.ASC ,obs#: 321						
DXCT		1508	508	-1271.68900 0.019	-0.022 0.016	-1.393 2.61
DYCT		1508	508	1606.75300 0.019	0.014 0.016	0.879 1.64
DZCT		1508	508	-8192.58050 0.018	0.021 0.015	1.356 2.46
GROUP: 030612.ASC ,obs#: 322						
DXCT		1208	7	-4808.50730 0.020	-0.017 0.020	-0.869 1.82
DYCT		1208	7	-3774.57440 0.020	0.031 0.020	1.574 3.29
DZCT		1208	7	-7091.09770 0.020	0.021 0.020	1.080 2.26
GROUP: 030612.ASC ,obs#: 323						
DXCT		GUUG	7	758.05640 0.007	0.004 0.004	0.900 1.24
DYCT		GUUG	7	1892.69970 0.007	-0.006 0.004	-1.683 2.22
DZCT		GUUG	7	-2044.95160 0.006	-0.005 0.004	-1.253 1.63
GROUP: 030612.ASC ,obs#: 324						
DXCT		GUAM	7	1605.61540 0.046	-0.031 0.046	-0.681 1.47
DYCT		GUAM	7	9989.31820 0.046	0.045 0.046	0.980 2.11
DZCT		GUAM	7	-18855.55540 0.046	0.036 0.046	0.786 1.69
GROUP: 030612.ASC ,obs#: 325						
DXCT		1208	905	-1698.70910 0.006	-0.001 0.003	-0.287 0.30
DYCT		1208	905	-2228.10890 0.006	0.003 0.003	0.889 0.89
DZCT		1208	905	-455.45660 0.006	0.007 0.003	2.640 2.63
GROUP: 030612.ASC ,obs#: 326						
DXCT		GUUG	905	3867.86980 0.015	0.005 0.014	0.325 0.66
DYCT		GUUG	905	3439.14320 0.015	-0.013 0.014	-0.906 1.83
DZCT		GUUG	905	4590.70450 0.015	-0.033 0.014	-2.393 4.83
GROUP: 030612.ASC ,obs#: 327						
DXCT		GUAM	905	4715.40870 0.038	-0.010 0.038	-0.274 0.59
DYCT		GUAM	905	11535.79110 0.038	0.009 0.038	0.252 0.54
DZCT		GUAM	905	-12219.87520	-0.017	-0.445

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.038	0.037	0.95
GROUP:	030612.ASC	,obs#:	328			
DXCT		208	905	3008.73240	0.002	0.096
				0.023	0.020	0.18
DYCT		208	905	33.67020	-0.006	-0.324
				0.023	0.020	0.61
DZCT		208	905	10183.71400	-0.016	-0.820
				0.023	0.020	1.53
GROUP:	030712.ASC	,obs#:	329			
DXCT		GUUG	1006	1589.86870	-0.009	-0.571
				0.018	0.016	1.07
DYCT		GUUG	1006	-1274.05320	-0.012	-0.766
				0.018	0.016	1.42
DZCT		GUUG	1006	8165.03950	-0.020	-1.269
				0.018	0.016	2.35
GROUP:	030712.ASC	,obs#:	330			
DXCT		1208	1006	-3976.72340	-0.001	-0.074
				0.019	0.016	0.14
DYCT		1208	1006	-6941.29200	-0.010	-0.626
				0.019	0.016	1.17
DZCT		1208	1006	3118.88020	0.019	1.204
				0.019	0.016	2.24
GROUP:	030712.ASC	,obs#:	331			
DXCT		GUAM	1006	2437.36620	0.018	0.775
				0.025	0.023	1.55
DYCT		GUAM	1006	6822.53900	0.066	2.917
				0.025	0.023	5.83
DZCT		GUAM	1006	-8645.52220	-0.021	-0.935
				0.024	0.022	1.86
GROUP:	030712.ASC	,obs#:	332			
DXCT		GUUG	1020	2771.99690	-0.007	-0.709
				0.013	0.010	1.22
DYCT		GUUG	1020	4782.56420	-0.011	-1.142
				0.013	0.010	1.95
DZCT		GUUG	1020	-2007.85700	-0.017	-1.745
				0.013	0.010	2.95
GROUP:	030712.ASC	,obs#:	333			
DXCT		1208	1020	-2794.59250	-0.002	-0.144
				0.017	0.014	0.27
DYCT		1208	1020	-884.69740	0.013	0.914
				0.017	0.014	1.73
DZCT		1208	1020	-7054.00910	0.015	1.004
				0.017	0.014	1.90
GROUP:	030712.ASC	,obs#:	334			
DXCT		1310	1020	-4023.58120	-0.005	-0.331
				0.018	0.015	0.62
DYCT		1310	1020	-2867.70990	0.015	0.962
				0.018	0.015	1.80
DZCT		1310	1020	-6426.95110	0.009	0.583
				0.018	0.015	1.09
GROUP:	030712.ASC	,obs#:	335			
DXCT		1510	1020	-4251.30600	0.038	1.835

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.023	0.021	4.77
DYCT		1510	1020	-3442.27440	-0.020	-1.083
				0.021	0.019	2.54
DZCT		1510	1020	-5812.55390	0.004	0.250
				0.018	0.015	0.48
GROUP: 030712.ASC ,obs#: 336						
DXCT		GUUG	109	2405.38940	0.002	0.248
				0.009	0.006	0.39
DYCT		GUUG	109	2877.04110	-0.005	-0.814
				0.009	0.006	1.26
DZCT		GUUG	109	1131.79240	-0.018	-3.023
				0.009	0.006	4.58
GROUP: 030712.ASC ,obs#: 337						
DXCT		1208	109	-3161.18660	-0.007	-0.622
				0.013	0.011	1.18
DYCT		1208	109	-2790.20730	0.007	0.607
				0.013	0.011	1.14
DZCT		1208	109	-3914.37090	0.025	2.325
				0.013	0.011	4.37
GROUP: 030712.ASC ,obs#: 338						
DXCT		GUUG	110	3275.28470	0.020	1.198
				0.019	0.016	2.33
DYCT		GUUG	110	1416.25640	0.007	0.461
				0.018	0.016	0.89
DZCT		GUUG	110	7587.45320	-0.010	-0.604
				0.018	0.016	1.15
GROUP: 030712.ASC ,obs#: 339						
DXCT		1208	110	-2291.27470	-0.005	-0.608
				0.013	0.009	0.98
DYCT		1208	110	-4250.97220	-0.001	-0.102
				0.012	0.008	0.16
DZCT		1208	110	2541.31820	0.005	0.614
				0.012	0.008	0.93
GROUP: 030712.ASC ,obs#: 340						
DXCT		GUUG	1109	6165.88150	0.019	0.864
				0.022	0.022	1.85
DYCT		GUUG	1109	6829.25750	-0.016	-0.756
				0.022	0.022	1.62
DZCT		GUUG	1109	4257.92970	-0.031	-1.446
				0.022	0.022	3.09
GROUP: 030712.ASC ,obs#: 341						
DXCT		1208	1109	599.31620	-0.000	-0.248
				0.004	0.001	0.16
DYCT		1208	1109	1162.00350	0.001	0.737
				0.004	0.001	0.46
DZCT		1208	1109	-788.22360	0.002	1.865
				0.003	0.001	1.11
GROUP: 030712.ASC ,obs#: 342						
DXCT		109	1109	3760.51500	-0.006	-0.477
				0.014	0.012	0.90
DYCT		109	1109	3952.20820	-0.003	-0.277
				0.014	0.012	0.52

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		109	1109	3126.13800 0.014	-0.014 0.012	-1.192 2.25
GROUP: 030712.ASC ,obs#: 343						
DXCT		GUUG	1110	6668.32770 0.025	0.030 0.024	1.266 2.70
DYCT		GUUG	1110	8283.86790 0.024	0.002 0.023	0.081 0.17
DZCT		GUUG	1110	2845.37530 0.024	-0.028 0.023	-1.233 2.57
GROUP: 030712.ASC ,obs#: 344						
DXCT		1208	1110	1101.77800 0.008	-0.005 0.005	-1.034 1.34
DYCT		1208	1110	2616.63410 0.008	-0.001 0.004	-0.270 0.34
DZCT		1208	1110	-2200.77640 0.008	0.003 0.004	0.708 0.86
GROUP: 030712.ASC ,obs#: 345						
DXCT		309	1110	2818.09440 0.013	0.003 0.010	0.325 0.58
DYCT		309	1110	4644.73850 0.012	0.003 0.010	0.287 0.50
DZCT		309	1110	-1208.03740 0.012	0.000 0.010	0.005 0.01
GROUP: 030712.ASC ,obs#: 346						
DXCT		GUAM	1208	6414.10910 0.041	-0.001 0.041	-0.018 0.04
DYCT		GUAM	1208	13763.89630 0.041	0.011 0.041	0.256 0.55
DZCT		GUAM	1208	-11764.41950 0.041	-0.023 0.041	-0.560 1.21
GROUP: 030712.ASC ,obs#: 347						
DXCT		GUUG	1208	5566.57740 0.020	0.007 0.020	0.340 0.73
DYCT		GUUG	1208	5667.24760 0.020	-0.011 0.020	-0.527 1.14
DZCT		GUUG	1208	5046.15150 0.020	-0.031 0.020	-1.538 3.32
GROUP: 030712.ASC ,obs#: 348						
DXCT		GUUG	1210	7585.78980 0.028	0.024 0.027	0.897 1.92
DYCT		GUUG	1210	9258.71070 0.027	-0.014 0.026	-0.557 1.16
DZCT		GUUG	1210	3235.84770 0.027	-0.022 0.026	-0.826 1.74
GROUP: 030712.ASC ,obs#: 349						
DXCT		1208	1210	2019.23460 0.011	-0.005 0.006	-0.881 1.17
DYCT		1208	1210	3591.45030 0.010	0.009 0.006	1.596 2.01
DZCT		1208	1210	-1810.29990 0.010	0.006 0.006	1.014 1.29
GROUP: 030712.ASC ,obs#: 350						

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		GUAM	1210	8433.33150 0.051	0.006 0.050	0.123 0.26
DYCT		GUAM	1210	17355.36020 0.051	0.006 0.050	0.120 0.26
DZCT		GUAM	1210	-13574.72550 0.051	-0.011 0.050	-0.225 0.48
GROUP: 030712.ASC ,obs#: 351						
DXCT		GUUG	1309	6032.69020 0.022	0.005 0.022	0.253 0.55
DYCT		GUUG	1309	6509.08250 0.022	-0.005 0.022	-0.246 0.53
DZCT		GUUG	1309	4570.07500 0.022	-0.052 0.022	-2.423 5.23
GROUP: 030712.ASC ,obs#: 352						
DXCT		1208	1309	466.11200 0.003	-0.001 0.001	-0.892 0.57
DYCT		1208	1309	841.83950 0.003	0.001 0.001	1.264 0.73
DZCT		1208	1309	-476.09910 0.003	0.002 0.001	3.164 1.54
GROUP: 030712.ASC ,obs#: 353						
DXCT		409	1309	4045.57580 0.016	0.006 0.014	0.405 0.85
DYCT		409	1309	4069.85370 0.016	-0.014 0.014	-0.958 1.96
DZCT		409	1309	3849.98850 0.015	-0.027 0.014	-1.970 3.98
GROUP: 030712.ASC ,obs#: 354						
DXCT		GUUG	1310	6795.56170 0.024	0.014 0.024	0.598 1.28
DYCT		GUUG	1310	7650.28090 0.024	-0.033 0.024	-1.386 2.95
DZCT		GUUG	1310	4419.09860 0.024	-0.031 0.024	-1.300 2.75
GROUP: 030712.ASC ,obs#: 355						
DXCT		1208	1310	1228.99320 0.006	-0.002 0.002	-0.807 0.64
DYCT		1208	1310	1983.00790 0.006	0.003 0.002	1.743 1.34
DZCT		1208	1310	-627.05470 0.005	0.002 0.002	1.369 0.99
GROUP: 030712.ASC ,obs#: 356						
DXCT		GUUG	1311	5752.14640 0.022	0.017 0.021	0.812 1.77
DYCT		GUUG	1311	6988.76650 0.021	0.016 0.021	0.758 1.63
DZCT		GUUG	1311	3158.16990 0.021	-0.009 0.020	-0.423 0.90
GROUP: 030712.ASC ,obs#: 357						
DXCT		1208	1311	185.58110 0.006	-0.002 0.002	-0.839 0.87
DYCT		1208	1311	1321.54640	-0.001	-0.576

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.006	0.002	0.52
DZCT		1208	1311	-1887.95940	0.000	0.248
				0.005	0.002	0.20
GROUP:	030712.ASC	,obs#:	358			
DXCT		110	1311	2476.85240	0.007	0.470
				0.017	0.014	0.89
DYCT		110	1311	5572.51440	0.004	0.277
				0.017	0.014	0.51
DZCT		110	1311	-4429.28370	0.001	0.109
				0.016	0.014	0.20
GROUP:	030712.ASC	,obs#:	359			
DXCT		GUUG	1312	5115.80350	-0.005	-0.257
				0.019	0.018	0.55
DYCT		GUUG	1312	6119.32120	-0.013	-0.700
				0.019	0.018	1.48
DZCT		GUUG	1312	3200.57780	-0.030	-1.628
				0.019	0.018	3.44
GROUP:	030712.ASC	,obs#:	360			
DXCT		1208	1312	-450.78550	-0.000	-0.006
				0.005	0.002	0.01
DYCT		1208	1312	452.07090	0.001	0.437
				0.005	0.001	0.33
DZCT		1208	1312	-1845.57450	0.002	1.779
				0.004	0.001	1.26
GROUP:	030712.ASC	,obs#:	361			
DXCT		8	1312	2761.39950	0.001	0.053
				0.018	0.015	0.10
DYCT		8	1312	6004.63920	0.002	0.147
				0.018	0.015	0.28
DZCT		8	1312	-4235.68350	-0.012	-0.812
				0.017	0.015	1.52
GROUP:	030712.ASC	,obs#:	362			
DXCT		GUUG	1510	7023.27530	-0.018	-0.726
				0.025	0.024	1.54
DYCT		GUUG	1510	8224.84610	0.001	0.052
				0.025	0.024	0.11
DZCT		GUUG	1510	3804.69250	-0.017	-0.698
				0.025	0.024	1.47
GROUP:	030712.ASC	,obs#:	363			
DXCT		1208	1510	1456.66500	0.008	2.186
				0.008	0.004	2.61
DYCT		1208	1510	2557.61300	-0.003	-0.693
				0.007	0.004	0.80
DZCT		1208	1510	-1241.44750	0.003	0.828
				0.007	0.004	0.92
GROUP:	030712.ASC	,obs#:	364			
DXCT		GUUG	210	3077.54420	-0.019	-1.846
				0.013	0.010	3.12
DYCT		GUUG	210	4960.91140	0.004	0.363
				0.013	0.010	0.60
DZCT		GUUG	210	-1225.58350	-0.007	-0.713
				0.013	0.010	1.18

Residuals (critical value = 4.241):

TYPE AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: 030712.ASC	,obs#:	365			
DXCT	1208	210	-2489.07100 0.015	0.012 0.012	1.001 1.81
DYCT	1208	210	-706.31950 0.015	-0.002 0.012	-0.197 0.35
DZCT	1208	210	-6271.71710 0.015	0.006 0.012	0.525 0.93
GROUP: 030712.ASC	,obs#:	366			
DXCT	1510	210	-3945.74510 0.016	0.013 0.013	1.020 1.82
DYCT	1510	210	-3263.92990 0.016	-0.002 0.013	-0.194 0.34
DZCT	1510	210	-5030.26930 0.016	0.003 0.012	0.248 0.43
GROUP: 030712.ASC	,obs#:	367			
DXCT	GUUG	309	3850.22960 0.015	0.030 0.014	2.169 4.53
DYCT	GUUG	309	3639.13090 0.015	-0.002 0.014	-0.177 0.36
DZCT	GUUG	309	4053.41110 0.015	-0.027 0.014	-1.981 4.02
GROUP: 030712.ASC	,obs#:	368			
DXCT	1208	309	-1716.31930 0.007	-0.005 0.004	-1.454 1.83
DYCT	1208	309	-2028.10990 0.006	0.001 0.003	0.439 0.52
DZCT	1208	309	-992.74100 0.006	0.005 0.003	1.550 1.78
GROUP: 030712.ASC	,obs#:	369			
DXCT	GUUG	409	1987.10470 0.009	0.009 0.006	1.692 2.90
DYCT	GUUG	409	2439.24490 0.008	-0.008 0.005	-1.560 2.44
DZCT	GUUG	409	720.07790 0.008	-0.016 0.004	-3.665 4.99
GROUP: 030712.ASC	,obs#:	370			
DXCT	1208	409	-3579.45600 0.015	-0.014 0.013	-1.114 2.20
DYCT	1208	409	-3228.00510 0.014	0.005 0.013	0.411 0.81
DZCT	1208	409	-4326.08940 0.014	0.031 0.013	2.425 4.78
GROUP: 030712.ASC	,obs#:	371			
DXCT	GUUG	509	2919.44260 0.013	0.005 0.009	0.575 0.96
DYCT	GUUG	509	4565.01370 0.012	-0.020 0.009	-2.218 3.55
DZCT	GUUG	509	-867.18050 0.012	-0.011 0.009	-1.172 1.91
GROUP: 030712.ASC	,obs#:	372			
DXCT	1208	509	-2647.13190 0.015	-0.005 0.012	-0.375 0.69

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		1208	509	-1102.25600 0.014	0.013 0.012	1.129 2.02
DZCT		1208	509	-5913.32150 0.015	0.010 0.012	0.861 1.56
GROUP: 030712.ASC ,obs#: 373						
DXCT		1210	509	-4666.36210 0.018	-0.004 0.014	-0.254 0.47
DYCT		1210	509	-4693.72250 0.017	0.020 0.014	1.473 2.62
DZCT		1210	509	-4103.02370 0.018	0.007 0.014	0.462 0.84
GROUP: 030712.ASC ,obs#: 374						
DXCT		GUUG	8	2354.38630 0.017	0.012 0.015	0.833 1.56
DYCT		GUUG	8	114.66720 0.017	-0.000 0.015	-0.010 0.02
DZCT		GUUG	8	7436.27220 0.017	-0.029 0.015	-1.962 3.66
GROUP: 030712.ASC ,obs#: 375						
DXCT		1208	8	-3212.18830 0.015	0.002 0.012	0.201 0.36
DYCT		1208	8	-5552.56700 0.015	-0.003 0.012	-0.233 0.42
DZCT		1208	8	2390.11400 0.015	0.009 0.012	0.773 1.37
GROUP: 030712.ASC ,obs#: 376						
DXCT		GUUG	916	5911.48190 0.022	0.008 0.022	0.371 0.81
DYCT		GUUG	916	7321.84870 0.022	0.004 0.021	0.188 0.40
DZCT		GUUG	916	2906.53130 0.022	-0.038 0.021	-1.818 3.84
GROUP: 030712.ASC ,obs#: 377						
DXCT		1208	916	344.90840 0.006	-0.003 0.002	-1.207 1.03
DYCT		1208	916	1654.61510 0.006	0.001 0.002	0.289 0.24
DZCT		1208	916	-2139.63050 0.006	0.004 0.002	1.694 1.35
GROUP: 030712.ASC ,obs#: 378						
DXCT		8	916	3557.06680 0.022	0.025 0.019	1.281 2.67
DYCT		8	916	7207.19580 0.021	-0.010 0.018	-0.561 1.11
DZCT		8	916	-4529.74170 0.021	-0.008 0.018	-0.471 0.92
GROUP: 030712.ASC ,obs#: 379						
DXCT		GUUG	917	4241.23150 0.016	0.001 0.015	0.038 0.08
DYCT		GUUG	917	4265.97890 0.016	-0.005 0.015	-0.346 0.73
DZCT		GUUG	917	4092.81290	-0.039	-2.581

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.016	0.015	5.37
GROUP:	030712.ASC	,obs#:	380			
DXCT		1208	917	-1325.35200	-0.000	-0.098
				0.006	0.002	0.10
DYCT		1208	917	-1401.26280	-0.000	-0.243
				0.005	0.002	0.23
DZCT		1208	917	-953.35090	0.004	2.563
				0.005	0.002	2.07
GROUP:	030712.ASC	,obs#:	381			
DXCT		1006	917	2651.37290	-0.001	-0.039
				0.016	0.013	0.07
DYCT		1006	917	5540.02700	0.012	0.921
				0.016	0.013	1.60
DZCT		1006	917	-4072.23600	-0.010	-0.785
				0.016	0.013	1.35
GROUP:	030812.ASC	,obs#:	382			
DXCT		GUUG	10	-404.81990	-0.032	-1.332
				0.032	0.024	2.22
DYCT		GUUG	10	-6012.06040	0.010	0.413
				0.032	0.024	0.68
DZCT		GUUG	10	13246.65780	0.005	0.222
				0.032	0.024	0.36
GROUP:	030812.ASC	,obs#:	383			
DXCT		1208	10	-5971.45370	0.017	0.644
				0.034	0.027	1.11
DYCT		1208	10	-11679.27630	-0.011	-0.419
				0.034	0.026	0.72
DZCT		1208	10	8200.54400	-0.001	-0.044
				0.034	0.026	0.08
GROUP:	030812.ASC	,obs#:	384			
DXCT		GUUG	111	1013.73700	-0.007	-0.428
				0.021	0.016	0.69
DYCT		GUUG	111	-2481.84240	0.000	0.029
				0.021	0.016	0.05
DZCT		GUUG	111	9421.51860	0.002	0.145
				0.021	0.016	0.23
GROUP:	030812.ASC	,obs#:	385			
DXCT		1208	111	-4552.85100	-0.003	-0.178
				0.023	0.017	0.30
DYCT		1208	111	-8149.07670	-0.002	-0.125
				0.022	0.017	0.21
DZCT		1208	111	4375.39040	0.010	0.598
				0.022	0.017	0.99
GROUP:	030812.ASC	,obs#:	386			
DXCT		GUUG	1111	5066.87680	0.069	3.636
				0.019	0.019	8.03
DYCT		GUUG	1111	5052.97360	-0.019	-1.013
				0.019	0.019	2.20
DZCT		GUUG	1111	4790.84270	-0.026	-1.415
				0.019	0.019	3.06
GROUP:	030812.ASC	,obs#:	387			
DXCT		1208	1111	-499.63670	-0.002	-3.889

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.003	0.000	1.98
DYCT		1208	1111	-614.28300	0.001	2.361
				0.002	0.000	0.87
DZCT		1208	1111	-255.30440	0.001	2.373
				0.002	0.000	0.64
GROUP: 030812.ASC ,obs#: 388						
DXCT		GUAM	1208	6414.07360	0.035	0.837
				0.042	0.042	1.81
DYCT		GUAM	1208	13763.91600	-0.009	-0.219
				0.042	0.041	0.47
DZCT		GUAM	1208	-11764.40630	-0.036	-0.877
				0.041	0.041	1.89
GROUP: 030812.ASC ,obs#: 389						
DXCT		GUUG	1208	5566.57660	0.008	0.379
				0.020	0.020	0.82
DYCT		GUUG	1208	5667.23870	-0.002	-0.089
				0.020	0.020	0.19
DZCT		GUUG	1208	5046.13590	-0.016	-0.770
				0.020	0.020	1.66
GROUP: 030812.ASC ,obs#: 390						
DXCT		GUUG	1211	8924.05240	0.028	0.957
				0.032	0.029	1.90
DYCT		GUUG	1211	11424.51780	-0.022	-0.744
				0.032	0.029	1.47
DZCT		GUUG	1211	2562.43070	-0.017	-0.601
				0.032	0.029	1.18
GROUP: 030812.ASC ,obs#: 391						
DXCT		1208	1211	3357.50640	-0.010	-1.355
				0.016	0.008	1.46
DYCT		1208	1211	5757.25190	0.007	0.983
				0.016	0.008	1.04
DZCT		1208	1211	-2483.71070	0.004	0.504
				0.015	0.007	0.53
GROUP: 030812.ASC ,obs#: 392						
DXCT		GUAM	1511	7309.80600	0.008	0.171
				0.046	0.046	0.37
DYCT		GUAM	1511	15328.84430	0.004	0.079
				0.046	0.046	0.17
DZCT		GUAM	1511	-12520.80390	-0.046	-1.013
				0.046	0.046	2.19
GROUP: 030812.ASC ,obs#: 393						
DXCT		1208	1511	895.70560	-0.000	-0.223
				0.005	0.001	0.06
DYCT		1208	1511	1564.94100	0.000	0.013
				0.005	0.000	0.00
DZCT		1208	1511	-756.40790	0.000	1.014
				0.005	0.000	0.24
GROUP: 030812.ASC ,obs#: 394						
DXCT		GUUG	1512	8323.99570	-0.054	-1.964
				0.030	0.028	3.99
DYCT		GUUG	1512	10268.75230	0.051	1.870
				0.030	0.027	3.76

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		GUUG	1512	3315.17860 0.030	0.011 0.027	0.408 0.82
GROUP: 030812.ASC ,obs#: 395						
DXCT		1208	1512	2757.34460 0.013	0.012 0.006	2.260 2.21
DYCT		1208	1512	4601.57590 0.012	-0.009 0.005	-1.710 1.63
DZCT		1208	1512	-1730.92770 0.012	-0.003 0.005	-0.520 0.49
GROUP: 030812.ASC ,obs#: 396						
DXCT		10	1512	8728.82820 0.046	-0.035 0.040	-0.869 1.65
DYCT		10	1512	16280.85450 0.045	-0.000 0.040	-0.011 0.02
DZCT		10	1512	-9931.48190 0.045	0.009 0.040	0.217 0.41
GROUP: 030812.ASC ,obs#: 397						
DXCT		GUUG	1513	7549.63610 0.029	0.018 0.025	0.711 1.37
DYCT		GUUG	1513	10644.37540 0.028	-0.010 0.025	-0.401 0.77
DZCT		GUUG	1513	-205.65910 0.028	-0.017 0.025	-0.677 1.29
GROUP: 030812.ASC ,obs#: 398						
DXCT		1208	1513	1983.07000 0.016	-0.000 0.009	-0.037 0.05
DYCT		1208	1513	4977.12430 0.016	0.004 0.009	0.449 0.56
DZCT		1208	1513	-5251.79510 0.016	-0.001 0.009	-0.123 0.15
GROUP: 030812.ASC ,obs#: 399						
DXCT		111	1513	6535.95510 0.039	-0.031 0.034	-0.923 1.79
DYCT		111	1513	13126.21160 0.038	-0.004 0.034	-0.127 0.24
DZCT		111	1513	-9627.23440 0.038	0.038 0.034	1.117 2.14
GROUP: 030812.ASC ,obs#: 400						
DXCT		GUUG	310	-928.01070 0.027	-0.006 0.017	-0.374 0.54
DYCT		GUUG	310	-5607.64640 0.026	0.001 0.017	0.086 0.12
DZCT		GUUG	310	10470.47260 0.026	-0.004 0.017	-0.218 0.30
GROUP: 030812.ASC ,obs#: 401						
DXCT		1208	310	-6494.61030 0.031	0.009 0.024	0.374 0.62
DYCT		1208	310	-11274.87990 0.031	-0.002 0.023	-0.083 0.14
DZCT		1208	310	5424.34360 0.031	0.005 0.023	0.220 0.36
GROUP: 030812.ASC ,obs#: 402						

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		GUUG	311	-3133.14650 0.030	0.032 0.020	1.547 2.33
DYCT		GUUG	311	-8548.36780 0.029	-0.026 0.020	-1.286 1.92
DZCT		GUUG	311	10047.38840 0.029	-0.009 0.020	-0.450 0.67
GROUP: 030812.ASC ,obs#: 403						
DXCT		1208	311	-8699.66890 0.038	-0.030 0.031	-0.972 1.74
DYCT		1208	311	-14215.66040 0.038	0.030 0.031	0.955 1.71
DZCT		1208	311	5001.24180 0.038	0.017 0.031	0.557 0.99
GROUP: 030812.ASC ,obs#: 404						
DXCT		1211	311	-12057.15370 0.053	-0.042 0.047	-0.879 1.70
DYCT		1211	311	-19972.91540 0.053	0.025 0.047	0.537 1.04
DZCT		1211	311	7484.97100 0.053	-0.005 0.047	-0.106 0.20
GROUP: 030812.ASC ,obs#: 405						
DXCT		GUAM	410	2522.08040 0.023	0.035 0.019	1.843 3.50
DYCT		GUAM	410	6351.07250 0.022	0.008 0.018	0.439 0.81
DZCT		GUAM	410	-7154.83110 0.022	-0.011 0.018	-0.617 1.10
GROUP: 030812.ASC ,obs#: 406						
DXCT		GUUG	410	1674.59880 0.023	-0.008 0.019	-0.414 0.78
DYCT		GUUG	410	-1745.58480 0.022	-0.005 0.018	-0.257 0.47
DZCT		GUUG	410	9655.73630 0.022	-0.015 0.018	-0.862 1.54
GROUP: 030812.ASC ,obs#: 407						
DXCT		1208	410	-3891.96800 0.022	-0.025 0.018	-1.404 2.65
DYCT		1208	410	-7412.82340 0.022	-0.003 0.017	-0.172 0.31
DZCT		1208	410	4609.57640 0.021	0.024 0.017	1.447 2.54
GROUP: 030812.ASC ,obs#: 408						
DXCT		GUUG	510	1026.82630 0.023	0.035 0.016	2.216 3.56
DYCT		GUUG	510	-2514.63970 0.022	-0.011 0.015	-0.730 1.11
DZCT		GUUG	510	9558.73940 0.022	-0.014 0.015	-0.928 1.40
GROUP: 030812.ASC ,obs#: 409						
DXCT		1208	510	-4539.68630 0.023	-0.036 0.017	-2.193 3.50
DYCT		1208	510	-8181.89880 0.023	0.011 0.017	0.682 3.50

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.023	0.016	1.07
DZCT		1208	510	4512.59070	0.015	0.892
				0.023	0.016	1.40
GROUP: 030812.ASC ,obs#: 410						
DXCT		GUAM	9	-188.08090	0.013	0.677
				0.025	0.019	1.27
DYCT		GUAM	9	3601.38880	0.008	0.443
				0.023	0.017	0.76
DZCT		GUAM	9	-9513.70410	0.014	0.802
				0.023	0.018	1.42
GROUP: 030812.ASC ,obs#: 411						
DXCT		GUUG	9	-1035.58300	-0.009	-0.730
				0.020	0.012	1.04
DYCT		GUUG	9	-4495.26770	-0.006	-0.461
				0.019	0.013	0.67
DZCT		GUUG	9	7296.88390	-0.011	-0.858
				0.019	0.012	1.23
GROUP: 030812.ASC ,obs#: 412						
DXCT		GUUG	906	10130.24810	0.007	0.205
				0.037	0.032	0.40
DYCT		GUUG	906	12811.66280	-0.021	-0.661
				0.036	0.032	1.28
DZCT		GUUG	906	3321.04660	-0.015	-0.481
				0.036	0.032	0.92
GROUP: 030812.ASC ,obs#: 413						
DXCT		1208	906	4563.67230	-0.002	-0.209
				0.019	0.009	0.21
DYCT		1208	906	7144.39880	0.006	0.662
				0.019	0.009	0.67
DZCT		1208	906	-1725.09320	0.004	0.482
				0.019	0.009	0.48
GROUP: HIGH_STD.ASC ,obs#: 416						
DXCT		1201	1012	-7621.51220	0.001	0.041
				0.040	0.027	0.06
DYCT		1201	1012	-4132.85160	0.004	0.158
				0.040	0.027	0.24
DZCT		1201	1012	-16163.12100	0.000	0.013
				0.040	0.027	0.02
GROUP: HIGH_STD.ASC ,obs#: 417						
DXCT		GUUG	1012	134.06470	-0.001	-0.038
				0.042	0.030	0.06
DYCT		GUUG	1012	7198.00200	-0.005	-0.157
				0.041	0.029	0.25
DZCT		GUUG	1012	-17364.10100	-0.000	-0.014
				0.041	0.030	0.02
GROUP: HIGH_STD.ASC ,obs#: 418						
DXCT		1201	1013	-2777.63460	0.018	0.590
				0.039	0.031	1.06
DYCT		1201	1013	2970.93690	-0.016	-0.532
				0.038	0.030	0.93
DZCT		1201	1013	-16791.42600	-0.016	-0.513
				0.039	0.032	0.94

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: HIGH_STD.ASC, obs#: 419						
DXCT		GUUG	1013	4977.95680 0.052	0.002 0.046	0.033 0.07
DYCT		GUUG	1013	14301.75210 0.051	0.013 0.046	0.291 0.57
DZCT		GUUG	1013	-17992.41910 0.051	-0.004 0.045	-0.085 0.16
GROUP: HIGH_STD.ASC, obs#: 420						
DXCT		1201	103	-6411.03880 0.025	0.007 0.013	0.567 0.65
DYCT		1201	103	-6024.81530 0.024	0.004 0.013	0.317 0.36
DZCT		1201	103	-6984.66970 0.024	-0.004 0.013	-0.316 0.36
GROUP: HIGH_STD.ASC, obs#: 423						
DXCT		1201	1202	-7483.44020 0.029	-0.012 0.024	-0.507 0.89
DYCT		1201	1202	-6838.07600 0.029	0.008 0.024	0.336 0.59
DZCT		1201	1202	-8904.51300 0.029	0.013 0.023	0.574 1.00
GROUP: HIGH_STD.ASC, obs#: 424						
DXCT		GUUG	1202	272.12160 0.025	0.001 0.017	0.052 0.08
DYCT		GUUG	1202	4492.77880 0.024	-0.002 0.017	-0.132 0.20
DZCT		GUUG	1202	-10105.47790 0.024	-0.002 0.017	-0.143 0.22
GROUP: HIGH_STD.ASC, obs#: 425						
DXCT		1013	1202	-4705.84670 0.030	0.011 0.019	0.582 0.81
DYCT		1013	1202	-9808.98410 0.029	-0.005 0.019	-0.258 0.36
DZCT		1013	1202	7886.95260 0.029	-0.010 0.018	-0.544 0.74
GROUP: HIGH_STD.ASC, obs#: 426						
DXCT		1201	1203	-1696.40550 0.031	-0.015 0.021	-0.700 1.04
DYCT		1201	1203	3291.01590 0.031	-0.007 0.021	-0.354 0.52
DZCT		1201	1203	-13665.10280 0.031	0.013 0.021	0.609 0.89
GROUP: HIGH_STD.ASC, obs#: 427						
DXCT		103	1203	4714.60230 0.027	0.009 0.016	0.565 0.72
DYCT		103	1203	9315.81490 0.027	0.005 0.016	0.308 0.39
DZCT		103	1203	-6680.41150 0.027	-0.005 0.016	-0.317 0.40
GROUP: HIGH_STD.ASC, obs#: 428						
DXCT		GUAM	1203	6906.65330 0.088	0.025 0.085	0.297 0.64

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		GUAM	1203	22718.51600 0.087	0.007 0.084	0.085 0.18
DZCT		GUAM	1203	-31676.58460 0.086	-0.049 0.083	-0.594 1.25
GROUP: HIGH_STD.ASC, obs#: 429						
DXCT		GUUG	1301	-139.78530 0.036	0.004 0.025	0.168 0.28
DYCT		GUUG	1301	5530.56450 0.034	0.003 0.023	0.119 0.19
DZCT		GUUG	1301	-13841.50490 0.034	0.002 0.023	0.065 0.10
GROUP: HIGH_STD.ASC, obs#: 430						
DXCT		1201	1301	-7895.35120 0.036	-0.005 0.025	-0.183 0.29
DYCT		1201	1301	-5800.27410 0.035	-0.003 0.025	-0.131 0.20
DZCT		1201	1301	-12640.52080 0.035	-0.002 0.025	-0.072 0.11
GROUP: HIGH_STD.ASC, obs#: 431						
DXCT		1201	1302	-7821.76030 0.034	-0.009 0.025	-0.382 0.62
DYCT		1201	1302	-6237.43920 0.033	0.011 0.024	0.443 0.71
DZCT		1201	1302	-11305.16840 0.033	0.011 0.024	0.434 0.70
GROUP: HIGH_STD.ASC, obs#: 432						
DXCT		GUUG	1302	-66.20290 0.030	0.008 0.020	0.390 0.58
DYCT		GUUG	1302	5093.42500 0.030	-0.009 0.020	-0.447 0.65
DZCT		GUUG	1302	-12506.13000 0.030	-0.009 0.020	-0.440 0.64
GROUP: HIGH_STD.ASC, obs#: 433						
DXCT		1201	1401	-7631.27650 0.037	0.041 0.026	1.609 2.47
DYCT		1201	1401	-4993.76960 0.036	-0.017 0.026	-0.666 1.03
DZCT		1201	1401	-13888.85670 0.036	0.006 0.026	0.233 0.36
GROUP: HIGH_STD.ASC, obs#: 434						
DXCT		GUAM	1401	971.87680 0.076	-0.014 0.071	-0.190 0.39
DYCT		GUAM	1401	14433.71020 0.076	0.018 0.071	0.247 0.50
DZCT		GUAM	1401	-31900.42970 0.076	0.035 0.071	0.494 1.01
GROUP: HIGH_STD.ASC, obs#: 435						
DXCT		GUUG	1401	124.39300 0.044	-0.054 0.035	-1.555 3.29
DYCT		GUUG	1401	6337.03380 0.040	0.024 0.031	0.767 1.47
DZCT		GUUG	1401	-15089.82270	-0.009	-0.299

Residuals (critical value = 4.241):

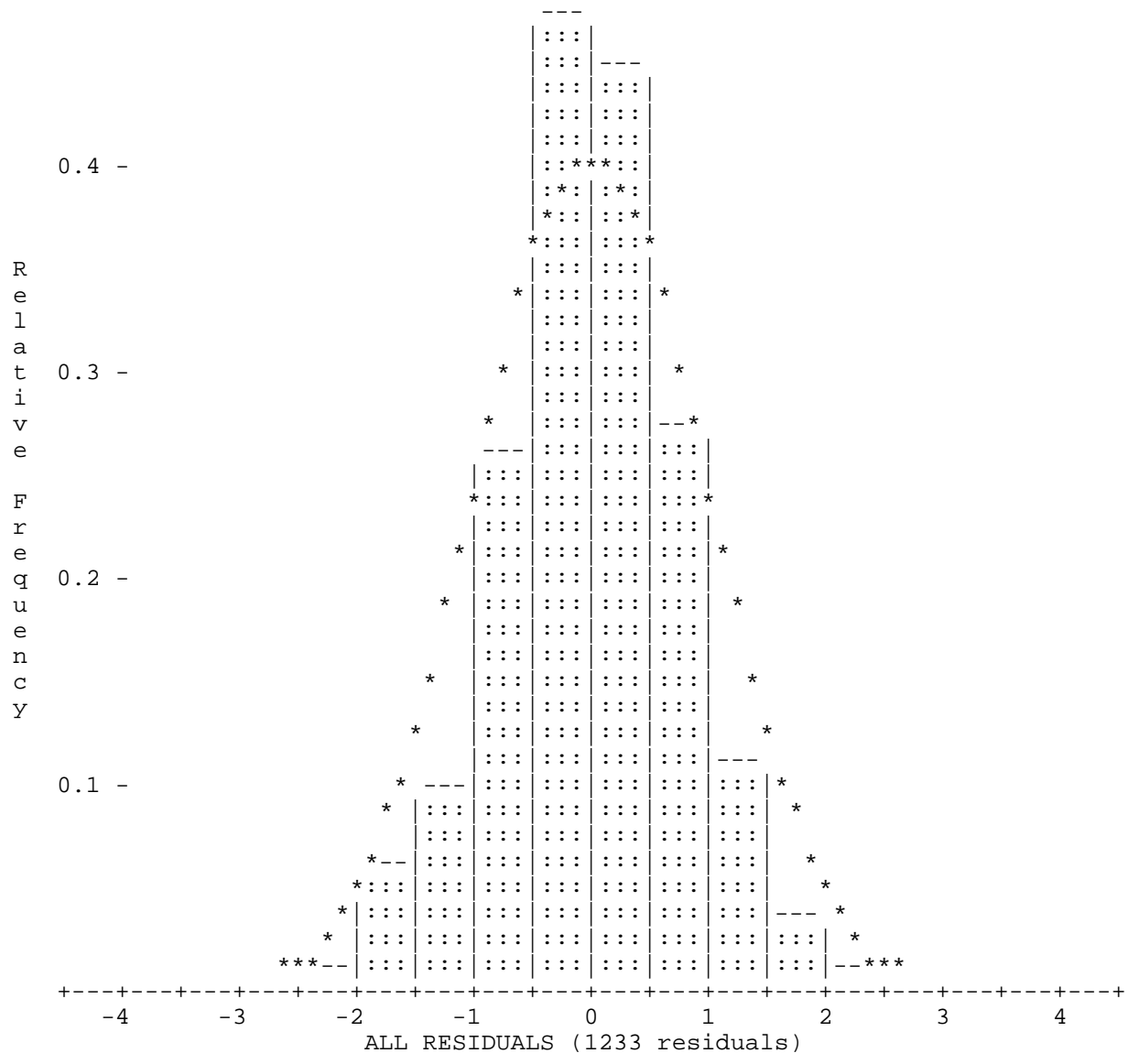
TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.031	0.025	0.35
DYCT		1201	1604	2915.88800	-0.001	-0.046
				0.030	0.025	0.08
DZCT		1201	1604	-13335.13630	0.001	0.034
				0.030	0.025	0.06
GROUP: HIGH_STD.ASC, obs#: 450						
DXCT		GUAM	204	1357.50140	0.005	0.084
				0.067	0.061	0.17
DYCT		GUAM	204	12889.54220	0.028	0.462
				0.066	0.060	0.93
DZCT		GUAM	204	-26669.62010	-0.037	-0.622
				0.065	0.059	1.23
GROUP: HIGH_STD.ASC, obs#: 451						
DXCT		1201	204	-7245.59130	-0.001	-0.074
				0.030	0.012	0.07
DYCT		1201	204	-6537.93940	-0.005	-0.450
				0.029	0.012	0.41
DZCT		1201	204	-8658.12000	0.007	0.616
				0.029	0.012	0.54
GROUP: HIGH_STD.ASC, obs#: 452						
DXCT		1201	3	-6480.31000	0.005	0.324
				0.025	0.014	0.40
DYCT		1201	3	-5994.02850	-0.005	-0.340
				0.025	0.014	0.42
DZCT		1201	3	-7310.73410	-0.000	-0.009
				0.025	0.014	0.01
GROUP: HIGH_STD.ASC, obs#: 453						
DXCT		902	3	-4024.76740	-0.002	-0.124
				0.030	0.017	0.16
DYCT		902	3	-9293.12680	-0.000	-0.017
				0.030	0.017	0.02
DZCT		902	3	9169.68560	-0.001	-0.066
				0.030	0.017	0.08
GROUP: HIGH_STD.ASC, obs#: 454						
DXCT		GUAM	3	2122.81190	-0.019	-0.318
				0.063	0.059	0.65
DYCT		GUAM	3	13433.45050	0.031	0.527
				0.062	0.059	1.07
DZCT		GUAM	3	-25322.28370	0.006	0.098
				0.062	0.058	0.20
GROUP: HIGH_STD.ASC, obs#: 455						
DXCT		1201	303	-5366.86950	0.001	0.090
				0.021	0.012	0.12
DYCT		1201	303	-5168.88560	-0.002	-0.146
				0.020	0.012	0.19
DZCT		1201	303	-5442.14710	-0.001	-0.051
				0.020	0.012	0.06
GROUP: HIGH_STD.ASC, obs#: 456						
DXCT		1604	303	-3551.25270	-0.003	-0.149
				0.027	0.018	0.23
DYCT		1604	303	-8084.77260	-0.002	-0.089
				0.026	0.018	0.13

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		1604	303	7892.98620 0.026	0.002 0.018	0.090 0.13
GROUP: HIGH_STD.ASC, obs#: 457						
DXCT		GUAM	303	3236.22480 0.062	0.006 0.059	0.093 0.20
DYCT		GUAM	303	14258.60380 0.061	0.024 0.058	0.406 0.85
DZCT		GUAM	303	-23453.68800 0.060	-0.003 0.057	-0.059 0.12
GROUP: HIGH_STD.ASC, obs#: 462						
DXCT		1201	911	-7525.31300 0.039	0.010 0.028	0.365 0.58
DYCT		1201	911	-4336.12430 0.039	0.003 0.028	0.115 0.18
DZCT		1201	911	-15335.94110 0.038	0.026 0.028	0.940 1.49
GROUP: HIGH_STD.ASC, obs#: 463						
DXCT		GUAM	911	1077.79590 0.080	0.000 0.075	0.000 0.00
DYCT		GUAM	911	15091.37900 0.079	0.015 0.075	0.194 0.40
DZCT		GUAM	911	-33347.45380 0.079	-0.005 0.075	-0.064 0.13
GROUP: HIGH_STD.ASC, obs#: 464						
DXCT		GUUG	911	230.28230 0.041	-0.010 0.031	-0.332 0.58
DYCT		GUUG	911	6994.73090 0.040	-0.007 0.031	-0.240 0.41
DZCT		GUUG	911	-16536.86920 0.039	-0.026 0.029	-0.899 1.47
GROUP: HIGH_STD.ASC, obs#: 465						
DXCT		GUUG	YIGO_GG	-3213.39380 0.035	-0.100 0.035	-2.820 6.73
DYCT		GUUG	YIGO_GG	-9130.01480 0.034	0.031 0.034	0.930 2.11
DZCT		GUUG	YIGO_GG	11231.62910 0.033	-0.012 0.033	-0.378 0.84
GROUP: HIGH_STD.ASC, obs#: 466						
DXCT		GUAM	YIGO_GG	-2365.94230 0.017	-0.027 0.017	-1.631 4.43
DYCT		GUAM	YIGO_GG	-1033.34820 0.015	0.035 0.015	2.318 5.65
DZCT		GUAM	YIGO_GG	-5578.91140 0.014	-0.035 0.014	-2.457 5.67
GROUP: HIGH_S~2.ASC, obs#: 467						
DXCT		1201	403	-4996.20970 0.042	0.006 0.026	0.243 0.33
DYCT		1201	403	602.51440 0.042	0.002 0.027	0.087 0.12
DZCT		1201	403	-18677.51550 0.042	0.002 0.026	0.060 0.08
GROUP: HIGH_S~2.ASC, obs#: 468						

Residuals (critical value = 4.241):

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		GUUG	403	2759.38100 0.052	-0.010 0.040	-0.241 0.41
DYCT		GUUG	403	11933.36470 0.051	-0.003 0.039	-0.085 0.14
DZCT		GUUG	403	-19878.49250 0.051	-0.002 0.039	-0.056 0.09
GROUP: HIGH_S~3.ASC,obs#: 469						
DXCT		1201	GGN_2205	-7888.78200 0.035	-0.051 0.034	-1.514 3.30
DYCT		1201	GGN_2205	-6009.58790 0.034	0.009 0.034	0.275 0.59
DZCT		1201	GGN_2205	-12056.36730 0.034	-0.030 0.033	-0.919 1.95
GROUP: HIGH_S~3.ASC,obs#: 470						
DXCT		GUUG	GGN_2205	-133.17700 0.034	-0.082 0.034	-2.430 5.73
DYCT		GUUG	GGN_2205	5321.27440 0.033	-0.008 0.033	-0.254 0.59
DZCT		GUUG	GGN_2205	-13257.33030 0.031	-0.048 0.031	-1.540 3.38



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	4.2410
Number of Flagged Residuals	3
Convergence Criterion	0.0010
Final Iteration Counter Value	2
Confidence Level Used	95.0000
Estimated Variance Factor	1.0000
Number of Degrees of Freedom	774

Chi-Square Test on the Variance Factor:

9.0740e-01 < 1.0000 < 1.1076e+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	0.020 (0, 87)	0.015 (90, 0)	0.015 (180, 3)
10	0.059 (90, 87)	0.058 (0, 0)	0.058 (270, 3)
1001	0.031 (90, 87)	0.024 (270, 3)	0.023 (0, 0)
1002	0.089 (306, 84)	0.085 (90, 5)	0.085 (180, 3)
1003	0.023 (0, 90)	0.020 (90, 0)	0.020 (0, 0)
1004	0.034 (0, 90)	0.034 (0, 0)	0.034 (90, 0)
1005	0.021 (0, 90)	0.020 (90, 0)	0.020 (0, 0)
1006	0.027 (0, 90)	0.026 (90, 0)	0.026 (0, 0)
101	0.035 (157, 88)	0.022 (67, 0)	0.019 (337, 2)
1011	0.027 (0, 90)	0.027 (0, 0)	0.027 (90, 0)
1012	0.082 (21, 73)	0.080 (206, 16)	0.080 (116, 2)
1013	0.067 (8, 81)	0.065 (163, 8)	0.064 (254, 4)
1014	0.039 (70, 86)	0.033 (285, 3)	0.033 (195, 2)
1015	0.027 (0, 90)	0.026 (90, 0)	0.026 (0, 0)
1016	0.038 (0, 90)	0.036 (90, 0)	0.036 (0, 0)
1017	0.009 (0, 90)	0.008 (90, 0)	0.008 (0, 0)
1018	0.018 (0, 90)	0.017 (90, 0)	0.017 (0, 0)
1019	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)
1020	0.024 (0, 90)	0.023 (90, 0)	0.022 (0, 0)
103	0.062 (0, 86)	0.060 (90, 0)	0.060 (180, 4)
104	0.020 (0, 90)	0.019 (0, 0)	0.019 (90, 0)
105	0.027 (0, 90)	0.025 (90, 0)	0.025 (0, 0)
106	0.027 (0, 90)	0.026 (90, 0)	0.026 (0, 0)
107	0.012 (0, 90)	0.010 (90, 0)	0.010 (0, 0)
108	0.012 (0, 90)	0.010 (90, 0)	0.010 (0, 0)
109	0.019 (0, 90)	0.018 (0, 0)	0.018 (90, 0)
110	0.026 (0, 90)	0.024 (90, 0)	0.024 (0, 0)
1101	0.077 (0, 82)	0.070 (175, 8)	0.069 (265, 1)
1103	0.052 (90, 87)	0.048 (270, 3)	0.048 (0, 0)
1104	0.024 (0, 79)	0.023 (180, 11)	0.023 (90, 0)
1105	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)
1106	0.020 (0, 90)	0.019 (90, 0)	0.019 (0, 0)
1107	0.024 (0, 90)	0.023 (90, 0)	0.023 (0, 0)
1108	0.016 (0, 90)	0.015 (90, 0)	0.014 (0, 0)
1109	0.011 (0, 90)	0.009 (90, 0)	0.009 (0, 0)
111	0.041 (0, 90)	0.040 (0, 0)	0.040 (90, 0)
1110	0.020 (0, 90)	0.018 (90, 0)	0.018 (0, 0)
1111	0.010 (0, 90)	0.006 (90, 0)	0.006 (0, 0)
1201	0.019 (0, 90)	0.018 (0, 0)	0.018 (90, 0)
1202	0.049 (0, 90)	0.048 (147, 0)	0.048 (237, 0)
1203	0.067 (0, 87)	0.065 (90, 0)	0.065 (180, 3)
1204	0.008 (0, 90)	0.007 (90, 0)	0.007 (0, 0)
1205	0.015 (0, 90)	0.012 (90, 0)	0.012 (0, 0)
1206	0.016 (0, 90)	0.015 (90, 0)	0.014 (0, 0)
1207	0.017 (0, 90)	0.016 (90, 0)	0.016 (0, 0)
1208	0.004 (0, 90)	0.002 (90, 0)	0.001 (0, 0)
1209	0.023 (0, 90)	0.022 (90, 0)	0.022 (0, 0)
1210	0.026 (0, 76)	0.023 (180, 14)	0.023 (90, 0)
1211	0.039 (0, 90)	0.038 (90, 0)	0.038 (0, 0)
1301	0.074 (9, 77)	0.067 (180, 12)	0.067 (270, 2)
1302	0.065 (30, 76)	0.062 (248, 11)	0.062 (156, 9)
1303	0.052 (56, 84)	0.051 (163, 2)	0.050 (253, 6)
1304	0.013 (0, 78)	0.010 (180, 12)	0.010 (90, 0)

3D Station Confidence Regions (95.000 percent):

STATION	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)
1305	0.019 (0, 90)	0.018 (90, 0)	0.018 (0, 0)
1306	0.034 (21, 84)	0.027 (284, 1)	0.026 (194, 6)
1307	0.026 (0, 90)	0.025 (90, 0)	0.025 (0, 0)
1308	0.021 (0, 77)	0.020 (180, 13)	0.020 (90, 0)
1309	0.010 (0, 90)	0.007 (0, 0)	0.007 (90, 0)
1310	0.016 (0, 90)	0.014 (90, 0)	0.014 (0, 0)
1311	0.017 (0, 90)	0.014 (90, 0)	0.014 (0, 0)
1312	0.014 (0, 90)	0.012 (90, 0)	0.012 (0, 0)
1401	0.077 (4, 85)	0.069 (214, 4)	0.069 (124, 3)
1402	0.075 (0, 88)	0.065 (258, 0)	0.064 (168, 2)
1403	0.053 (32, 80)	0.043 (232, 9)	0.042 (142, 3)
1404	0.026 (0, 90)	0.023 (90, 0)	0.023 (0, 0)
1405	0.017 (0, 90)	0.016 (90, 0)	0.015 (0, 0)
1406	0.017 (0, 81)	0.015 (90, 0)	0.015 (180, 9)
1407	0.023 (0, 90)	0.022 (0, 0)	0.022 (90, 0)
1408	0.019 (0, 90)	0.018 (90, 0)	0.018 (0, 0)
1409	0.019 (0, 90)	0.017 (90, 0)	0.017 (0, 0)
1410	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)
1501	0.085 (36, 87)	0.076 (266, 2)	0.075 (176, 2)
1502	0.063 (180, 87)	0.059 (90, 0)	0.059 (0, 3)
1503	0.042 (90, 87)	0.037 (242, 3)	0.036 (332, 2)
1504	0.029 (80, 75)	0.026 (270, 15)	0.025 (179, 2)
1505	0.013 (0, 90)	0.010 (90, 0)	0.010 (0, 0)
1506	0.018 (0, 90)	0.017 (90, 0)	0.017 (0, 0)
1507	0.017 (25, 70)	0.014 (180, 18)	0.014 (273, 8)
1508	0.022 (0, 90)	0.021 (90, 0)	0.020 (0, 0)
1509	0.010 (0, 90)	0.005 (90, 0)	0.004 (0, 0)
1510	0.019 (0, 90)	0.017 (90, 0)	0.017 (0, 0)
1511	0.015 (0, 90)	0.013 (0, 0)	0.012 (90, 0)
1512	0.032 (0, 90)	0.031 (0, 0)	0.031 (90, 0)
1513	0.038 (0, 90)	0.037 (0, 0)	0.037 (90, 0)
1601	0.080 (293, 87)	0.075 (90, 3)	0.074 (180, 1)
1602	0.086 (125, 86)	0.083 (239, 2)	0.082 (330, 4)
1603	0.073 (17, 68)	0.057 (180, 21)	0.055 (272, 6)
1604	0.053 (90, 85)	0.050 (0, 0)	0.050 (270, 5)
1605	0.013 (0, 90)	0.010 (90, 0)	0.010 (0, 0)
1606	0.021 (0, 90)	0.019 (90, 0)	0.019 (0, 0)
1607	0.023 (0, 90)	0.021 (90, 0)	0.021 (0, 0)
1608	0.018 (28, 76)	0.016 (180, 13)	0.016 (271, 7)
1609	0.018 (0, 90)	0.016 (0, 0)	0.016 (90, 0)
2	0.091 (16, 71)	0.087 (172, 18)	0.086 (265, 7)
201	0.043 (180, 87)	0.038 (90, 0)	0.038 (0, 3)
202	0.024 (62, 80)	0.013 (270, 8)	0.012 (179, 4)
203	0.082 (246, 86)	0.080 (90, 4)	0.080 (360, 2)
204	0.082 (270, 88)	0.074 (166, 1)	0.074 (76, 2)
205	0.023 (0, 90)	0.022 (90, 0)	0.022 (0, 0)
206	0.029 (0, 90)	0.027 (0, 0)	0.027 (90, 0)
207	0.048 (35, 85)	0.041 (284, 2)	0.040 (194, 4)
208	0.031 (0, 90)	0.030 (0, 0)	0.030 (90, 0)
209	0.018 (0, 90)	0.015 (90, 0)	0.014 (0, 0)
210	0.025 (0, 90)	0.024 (90, 0)	0.023 (0, 0)
3	0.060 (270, 86)	0.059 (0, 0)	0.059 (90, 4)
301	0.029 (0, 90)	0.026 (0, 0)	0.026 (90, 0)

3D Station Confidence Regions (95.000 percent):

STATION	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)
303	0.052 (90, 85)	0.049 (270, 5)	0.049 (0, 0)
304	0.009 (0, 90)	0.005 (90, 0)	0.005 (0, 0)
305	0.023 (0, 90)	0.022 (90, 0)	0.022 (0, 0)
306	0.036 (0, 76)	0.034 (90, 0)	0.034 (180, 14)
307	0.011 (0, 90)	0.009 (0, 0)	0.009 (90, 0)
308	0.012 (0, 90)	0.011 (90, 0)	0.010 (0, 0)
309	0.017 (0, 90)	0.015 (90, 0)	0.015 (0, 0)
310	0.057 (141, 86)	0.055 (270, 3)	0.055 (0, 3)
311	0.060 (90, 84)	0.060 (270, 6)	0.060 (0, 0)
4	0.026 (71, 79)	0.023 (270, 10)	0.023 (179, 4)
401	0.034 (71, 85)	0.025 (270, 5)	0.024 (180, 2)
402	0.094 (102, 75)	0.090 (260, 14)	0.089 (351, 6)
403	0.093 (38, 79)	0.091 (219, 11)	0.091 (129, 0)
404	0.046 (11, 77)	0.044 (162, 11)	0.043 (253, 6)
405	0.015 (0, 90)	0.014 (90, 0)	0.014 (0, 0)
406	0.028 (19, 71)	0.024 (180, 18)	0.024 (272, 6)
407	0.018 (0, 90)	0.015 (90, 0)	0.015 (0, 0)
408	0.031 (0, 90)	0.031 (90, 0)	0.031 (0, 0)
409	0.021 (270, 87)	0.017 (0, 0)	0.017 (90, 3)
410	0.038 (180, 80)	0.034 (0, 10)	0.034 (90, 0)
5	0.022 (0, 80)	0.019 (180, 10)	0.019 (90, 0)
501	0.032 (48, 80)	0.029 (270, 7)	0.029 (179, 6)
502	0.087 (94, 75)	0.084 (261, 15)	0.082 (352, 3)
504	0.050 (0, 88)	0.044 (90, 0)	0.044 (180, 2)
505	0.028 (0, 90)	0.027 (90, 0)	0.027 (0, 0)
506	0.023 (0, 90)	0.021 (0, 0)	0.021 (90, 0)
507	0.013 (17, 72)	0.009 (180, 18)	0.008 (272, 5)
508	0.027 (0, 90)	0.025 (90, 0)	0.024 (0, 0)
509	0.026 (13, 71)	0.023 (180, 18)	0.023 (271, 4)
510	0.046 (78, 78)	0.044 (270, 12)	0.044 (179, 2)
6	0.013 (0, 90)	0.010 (0, 0)	0.010 (90, 0)
7	0.016 (0, 90)	0.015 (0, 0)	0.014 (90, 0)
8	0.025 (0, 90)	0.024 (90, 0)	0.024 (0, 0)
9	0.045 (12, 72)	0.040 (271, 4)	0.040 (180, 18)
901	0.069 (0, 89)	0.065 (180, 1)	0.065 (90, 0)
902	0.073 (180, 85)	0.072 (0, 5)	0.072 (90, 0)
903	0.049 (0, 89)	0.045 (90, 0)	0.045 (180, 1)
904	0.011 (0, 90)	0.009 (0, 0)	0.009 (90, 0)
905	0.017 (0, 90)	0.016 (0, 0)	0.016 (90, 0)
906	0.048 (0, 90)	0.047 (90, 0)	0.046 (0, 0)
911	0.077 (334, 86)	0.073 (100, 2)	0.073 (190, 3)
912	0.048 (0, 87)	0.044 (90, 0)	0.044 (180, 3)
914	0.012 (0, 90)	0.008 (90, 0)	0.008 (0, 0)
915	0.021 (0, 90)	0.020 (0, 0)	0.020 (90, 0)
916	0.018 (0, 90)	0.016 (90, 0)	0.016 (0, 0)
917	0.015 (0, 90)	0.013 (90, 0)	0.012 (0, 0)
NCS	0.013 (0, 90)	0.012 (0, 0)	0.012 (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
1	1201	0.028 (0, 87)	0.023 (90, 0)	0.023 (180, 3)	28265.408	0.98
1	GUAM	0.020 (0, 87)	0.015 (90, 0)	0.015 (180, 3)	2356.264	8.59
1	GUUG	0.020 (0, 87)	0.015 (90, 0)	0.015 (180, 3)	20082.298	1.01
10	1208	0.059 (90, 87)	0.058 (0, 0)	0.058 (270, 3)	15469.735	3.80
10	1512	0.064 (90, 87)	0.062 (0, 0)	0.062 (270, 3)	20973.607	3.03
10	GUUG	0.059 (90, 87)	0.058 (0, 0)	0.058 (270, 3)	14552.757	4.04
1001	GUAM	0.031 (90, 87)	0.024 (270, 3)	0.023 (0, 0)	3710.631	8.44
1001	GUUG	0.031 (90, 87)	0.024 (270, 3)	0.023 (0, 0)	20163.193	1.55
1002	1201	0.088 (305, 84)	0.084 (90, 5)	0.084 (180, 3)	17128.099	5.14
1002	GUUG	0.089 (306, 84)	0.085 (90, 5)	0.085 (180, 3)	23629.094	3.76
1003	1201	0.013 (0, 90)	0.009 (90, 0)	0.009 (0, 0)	1325.879	10.15
1003	GUAM	0.023 (0, 90)	0.020 (90, 0)	0.020 (0, 0)	28723.471	0.81
1004	1204	0.034 (0, 90)	0.034 (0, 0)	0.034 (90, 0)	7931.508	4.28
1004	1407	0.038 (0, 90)	0.037 (0, 0)	0.037 (90, 0)	12127.150	3.12
1004	GUAM	0.034 (0, 90)	0.034 (0, 0)	0.034 (90, 0)	9732.127	3.51
1005	1208	0.021 (0, 90)	0.020 (90, 0)	0.020 (0, 0)	11459.342	1.85
1005	1209	0.025 (0, 90)	0.023 (90, 0)	0.023 (0, 0)	5074.095	4.87
1005	1410	0.026 (0, 90)	0.024 (90, 0)	0.024 (0, 0)	6099.420	4.29
1005	GUAM	0.021 (0, 90)	0.020 (90, 0)	0.020 (0, 0)	14318.522	1.46
1005	GUUG	0.021 (0, 90)	0.020 (90, 0)	0.020 (0, 0)	4880.334	4.29
1006	1208	0.027 (0, 90)	0.026 (90, 0)	0.026 (0, 0)	8586.242	3.18
1006	917	0.029 (0, 90)	0.027 (90, 0)	0.027 (0, 0)	7369.192	3.89
1006	GUAM	0.027 (0, 90)	0.026 (90, 0)	0.026 (0, 0)	11279.814	2.43
1006	GUUG	0.027 (0, 90)	0.026 (90, 0)	0.026 (0, 0)	8415.369	3.25
101	1201	0.039 (135, 88)	0.028 (246, 1)	0.026 (336, 2)	24937.592	1.58
101	GUAM	0.035 (157, 88)	0.022 (67, 0)	0.019 (337, 2)	2947.778	11.88

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1011	1204	0.028 (0, 90)	0.027 (0, 0)	0.027 (90, 0)	12180.170	2.28
1011	GUAM	0.027 (0, 90)	0.027 (0, 0)	0.027 (90, 0)	5823.904	4.65
1011	NCS	0.028 (0, 90)	0.028 (0, 0)	0.027 (90, 0)	7671.928	3.68
1012	1201	0.082 (21, 74)	0.080 (206, 16)	0.080 (116, 2)	18341.601	4.46
1012	GUUG	0.082 (21, 73)	0.080 (206, 16)	0.080 (116, 2)	18797.371	4.36
1013	1201	0.066 (5, 80)	0.065 (164, 10)	0.064 (254, 4)	17276.980	3.85
1013	1202	0.065 (29, 85)	0.064 (160, 3)	0.063 (250, 4)	13437.448	4.82
1013	GUUG	0.067 (8, 81)	0.065 (163, 8)	0.064 (254, 4)	23516.969	2.83
1014	1201	0.034 (90, 86)	0.029 (285, 4)	0.028 (195, 1)	4592.943	7.42
1014	GUAM	0.039 (70, 86)	0.033 (285, 3)	0.033 (195, 2)	27393.816	1.41
1015	1204	0.026 (0, 90)	0.026 (90, 0)	0.025 (0, 0)	5838.847	4.51
1015	1506	0.029 (0, 90)	0.028 (90, 0)	0.028 (0, 0)	8376.462	3.45
1015	GUAM	0.027 (0, 90)	0.026 (90, 0)	0.026 (0, 0)	8128.315	3.28
1016	1204	0.038 (0, 90)	0.036 (90, 0)	0.036 (0, 0)	6786.195	5.54
1016	GUAM	0.038 (0, 90)	0.036 (90, 0)	0.036 (0, 0)	12085.786	3.14
1017	1018	0.017 (0, 90)	0.016 (90, 0)	0.016 (0, 0)	3465.139	4.97
1017	107	0.013 (0, 90)	0.011 (90, 0)	0.011 (0, 0)	2857.785	4.60
1017	1104	0.024 (0, 78)	0.023 (180, 12)	0.023 (90, 0)	5488.387	4.34
1017	1105	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	4915.355	4.50
1017	1204	0.011 (0, 90)	0.010 (90, 0)	0.010 (0, 0)	10011.470	1.14
1017	1207	0.016 (0, 90)	0.015 (90, 0)	0.015 (0, 0)	3153.308	5.10
1017	1307	0.026 (0, 90)	0.025 (90, 0)	0.025 (0, 0)	6364.188	4.13
1017	1409	0.018 (0, 90)	0.016 (90, 0)	0.016 (0, 0)	3451.932	5.22
1017	1607	0.023 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	5483.076	4.17
1017	1608	0.017 (27, 74)	0.014 (180, 14)	0.014 (272, 7)	3480.526	4.82
1017	307	0.013 (0, 90)	0.011 (0, 0)	0.010 (90, 0)	3103.358	4.05

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
106	1204	0.026 (0, 90)	0.026 (90, 0)	0.026 (0, 0)	5653.885	4.64
106	1305	0.029 (0, 90)	0.028 (90, 0)	0.028 (0, 0)	8542.243	3.41
106	GUAM	0.027 (0, 90)	0.026 (90, 0)	0.026 (0, 0)	8964.509	2.99
107	1105	0.023 (0, 90)	0.022 (90, 0)	0.021 (0, 0)	6226.445	3.74
107	GUAM	0.012 (0, 90)	0.010 (90, 0)	0.010 (0, 0)	16719.787	0.74
107	GUUG	0.012 (0, 90)	0.010 (90, 0)	0.010 (0, 0)	1960.009	6.32
108	1108	0.018 (0, 90)	0.016 (90, 0)	0.016 (0, 0)	5211.781	3.48
108	1208	0.012 (0, 90)	0.010 (90, 0)	0.010 (0, 0)	7874.682	1.58
108	GUUG	0.012 (0, 90)	0.010 (90, 0)	0.010 (0, 0)	1649.100	7.21
109	1109	0.020 (0, 90)	0.019 (0, 0)	0.019 (90, 0)	6287.607	3.22
109	1208	0.019 (0, 90)	0.018 (0, 0)	0.018 (90, 0)	5753.300	3.27
109	GUUG	0.019 (0, 90)	0.018 (0, 0)	0.018 (90, 0)	3917.162	4.80
110	1208	0.026 (0, 90)	0.024 (90, 0)	0.024 (0, 0)	5457.019	4.80
110	1311	0.029 (0, 90)	0.026 (90, 0)	0.026 (0, 0)	7536.998	3.80
110	GUUG	0.026 (0, 90)	0.024 (90, 0)	0.024 (0, 0)	8384.672	3.14
1101	1201	0.077 (0, 82)	0.070 (175, 8)	0.069 (265, 1)	16351.534	4.69
1101	GUUG	0.077 (0, 82)	0.070 (175, 8)	0.069 (265, 1)	15349.804	5.01
1103	1201	0.053 (90, 87)	0.049 (270, 3)	0.049 (0, 0)	12859.232	4.11
1103	GUUG	0.052 (90, 87)	0.048 (270, 3)	0.048 (0, 0)	9868.939	5.29
1104	307	0.025 (0, 81)	0.023 (180, 9)	0.023 (90, 0)	7300.543	3.41
1104	GUAM	0.024 (0, 79)	0.023 (180, 11)	0.023 (90, 0)	10022.662	2.38
1104	GUUG	0.024 (0, 79)	0.023 (180, 11)	0.023 (90, 0)	8805.323	2.71
1105	GUAM	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	10666.359	2.09
1105	GUUG	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	8146.410	2.74
1106	1208	0.020 (0, 90)	0.019 (0, 0)	0.019 (90, 0)	3930.895	5.09
1106	408	0.034 (0, 90)	0.034 (90, 0)	0.034 (0, 0)	10319.441	3.34

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1201	1501	0.085 (36, 87)	0.075 (266, 2)	0.075 (176, 2)	17239.759	4.93
1201	1502	0.063 (180, 87)	0.059 (90, 0)	0.059 (0, 3)	12991.136	4.83
1201	1503	0.043 (87, 87)	0.038 (242, 3)	0.037 (332, 1)	10350.179	4.11
1201	1504	0.023 (90, 72)	0.019 (270, 18)	0.017 (0, 0)	3896.506	5.78
1201	1601	0.080 (292, 87)	0.075 (90, 3)	0.074 (180, 1)	17233.479	4.66
1201	1602	0.086 (121, 85)	0.082 (240, 2)	0.082 (330, 4)	18389.241	4.68
1201	1603	0.072 (17, 68)	0.057 (180, 21)	0.056 (272, 6)	13343.499	5.36
1201	1604	0.050 (90, 84)	0.047 (0, 0)	0.047 (270, 6)	13770.428	3.62
1201	2	0.090 (16, 71)	0.086 (172, 18)	0.086 (264, 7)	17714.835	5.10
1201	203	0.081 (245, 85)	0.079 (90, 4)	0.079 (360, 2)	16222.900	5.02
1201	204	0.080 (270, 87)	0.073 (165, 1)	0.072 (75, 2)	13046.312	6.16
1201	3	0.058 (221, 81)	0.057 (0, 7)	0.057 (91, 6)	11461.659	5.07
1201	301	0.035 (0, 90)	0.032 (0, 0)	0.032 (90, 0)	28180.893	1.23
1201	303	0.049 (90, 84)	0.046 (270, 6)	0.046 (0, 0)	9227.006	5.34
1201	4	0.019 (90, 77)	0.015 (270, 13)	0.014 (0, 0)	2471.948	7.50
1201	401	0.038 (67, 85)	0.030 (270, 4)	0.030 (180, 2)	27661.109	1.39
1201	402	0.094 (102, 74)	0.090 (259, 15)	0.089 (351, 6)	19479.661	4.81
1201	403	0.092 (38, 80)	0.091 (220, 10)	0.090 (130, 0)	19343.593	4.77
1201	404	0.042 (0, 76)	0.040 (162, 13)	0.040 (253, 4)	7424.389	5.60
1201	502	0.088 (94, 75)	0.084 (261, 14)	0.083 (352, 3)	25000.218	3.51
1201	504	0.047 (0, 88)	0.041 (90, 0)	0.041 (180, 2)	6852.823	6.79
1201	901	0.069 (0, 89)	0.065 (180, 1)	0.065 (90, 0)	15585.273	4.46
1201	902	0.071 (180, 82)	0.070 (0, 8)	0.070 (90, 0)	16985.814	4.18
1201	903	0.045 (0, 90)	0.042 (90, 0)	0.042 (0, 0)	6950.585	6.50
1201	911	0.077 (335, 86)	0.073 (100, 2)	0.073 (190, 3)	17624.483	4.35
1201	912	0.048 (0, 87)	0.045 (90, 0)	0.045 (180, 3)	12306.344	3.94

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ, VANG)	MED-SEMI (AZ, VANG)	MIN-SEMI (AZ, VANG)	DISTANCE	PPM
1204	405	0.016 (0, 90)	0.015 (90, 0)	0.015 (0, 0)	3994.087	3.92
1204	406	0.027 (19, 70)	0.023 (180, 19)	0.023 (272, 6)	6345.649	4.27
1204	5	0.021 (0, 80)	0.019 (180, 10)	0.019 (90, 0)	5260.445	4.07
1204	501	0.032 (48, 80)	0.030 (270, 7)	0.029 (179, 6)	12703.023	2.56
1204	505	0.028 (0, 90)	0.026 (90, 0)	0.026 (0, 0)	6052.763	4.57
1204	506	0.023 (0, 90)	0.021 (0, 0)	0.021 (90, 0)	4895.160	4.72
1204	904	0.008 (0, 90)	0.006 (0, 0)	0.006 (90, 0)	1021.001	7.57
1204	914	0.009 (0, 90)	0.003 (90, 0)	0.002 (0, 0)	23.684	382.45
1204	915	0.021 (0, 90)	0.020 (0, 0)	0.020 (90, 0)	3932.245	5.24
1204	GUAM	0.008 (0, 90)	0.007 (90, 0)	0.007 (0, 0)	6360.116	1.21
1204	NCS	0.015 (0, 90)	0.014 (0, 0)	0.014 (90, 0)	5867.188	2.50
1205	405	0.019 (0, 90)	0.017 (90, 0)	0.016 (0, 0)	4485.724	4.15
1205	GUAM	0.015 (0, 90)	0.012 (90, 0)	0.012 (0, 0)	2171.422	6.84
1206	505	0.029 (270, 85)	0.028 (90, 5)	0.027 (0, 0)	7874.613	3.72
1206	GUAM	0.016 (0, 90)	0.015 (90, 0)	0.014 (0, 0)	7805.718	2.11
1207	GUAM	0.017 (0, 90)	0.016 (90, 0)	0.016 (0, 0)	12526.917	1.37
1207	GUUG	0.017 (0, 90)	0.016 (90, 0)	0.016 (0, 0)	6189.493	2.77
1208	1209	0.023 (0, 90)	0.022 (90, 0)	0.022 (0, 0)	7000.886	3.32
1208	1210	0.026 (0, 75)	0.023 (180, 15)	0.023 (90, 0)	4500.337	5.74
1208	1211	0.039 (0, 90)	0.038 (90, 0)	0.038 (0, 0)	7112.497	5.45
1208	1308	0.021 (0, 79)	0.020 (180, 11)	0.020 (90, 0)	6639.704	3.20
1208	1309	0.009 (0, 90)	0.007 (0, 0)	0.007 (90, 0)	1073.603	8.82
1208	1310	0.015 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	2415.771	6.35
1208	1311	0.017 (0, 90)	0.014 (90, 0)	0.013 (0, 0)	2311.993	7.35
1208	1312	0.014 (0, 90)	0.012 (90, 0)	0.012 (0, 0)	1952.873	7.02
1208	1410	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	5554.069	3.98

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1208	1508	0.022 (0, 90)	0.021 (90, 0)	0.020 (0, 0)	5008.323	4.33
1208	1509	0.009 (0, 90)	0.005 (90, 0)	0.004 (0, 0)	540.793	16.41
1208	1510	0.019 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	3194.441	5.91
1208	1511	0.015 (0, 90)	0.012 (0, 0)	0.012 (90, 0)	1955.372	7.47
1208	1512	0.032 (0, 90)	0.031 (0, 0)	0.031 (90, 0)	5636.804	5.69
1208	1513	0.038 (0, 90)	0.037 (0, 0)	0.037 (90, 0)	7502.382	5.06
1208	1609	0.018 (0, 90)	0.017 (90, 0)	0.016 (0, 0)	6491.190	2.75
1208	1610	0.004 (0, 90)	0.002 (90, 0)	0.001 (0, 0)	31.261	139.95
1208	208	0.031 (0, 90)	0.030 (0, 0)	0.030 (90, 0)	11851.881	2.60
1208	209	0.018 (0, 90)	0.015 (90, 0)	0.014 (0, 0)	8522.595	2.15
1208	210	0.025 (0, 90)	0.024 (90, 0)	0.023 (0, 0)	6784.442	3.63
1208	309	0.016 (0, 90)	0.015 (90, 0)	0.015 (0, 0)	2836.286	5.74
1208	310	0.057 (141, 86)	0.055 (270, 3)	0.055 (0, 3)	14097.034	4.05
1208	311	0.060 (90, 84)	0.060 (270, 6)	0.060 (0, 0)	17400.618	3.47
1208	408	0.031 (0, 90)	0.031 (90, 0)	0.031 (0, 0)	11851.862	2.65
1208	409	0.021 (0, 90)	0.017 (0, 0)	0.017 (90, 0)	6476.679	3.20
1208	410	0.038 (180, 80)	0.034 (0, 10)	0.034 (90, 0)	9557.511	3.98
1208	508	0.027 (0, 90)	0.025 (90, 0)	0.024 (0, 0)	9962.705	2.72
1208	509	0.026 (13, 71)	0.023 (180, 18)	0.023 (271, 4)	6571.873	3.89
1208	510	0.046 (78, 78)	0.044 (270, 12)	0.044 (179, 2)	10388.261	4.43
1208	7	0.016 (0, 90)	0.015 (0, 0)	0.015 (90, 0)	9362.289	1.71
1208	8	0.025 (0, 90)	0.024 (90, 0)	0.024 (0, 0)	6845.572	3.70
1208	905	0.016 (0, 90)	0.016 (0, 0)	0.015 (90, 0)	2838.575	5.72
1208	906	0.048 (0, 90)	0.047 (90, 0)	0.046 (0, 0)	8651.332	5.53
1208	916	0.017 (0, 90)	0.016 (90, 0)	0.016 (0, 0)	2726.668	6.26
1208	917	0.015 (0, 90)	0.013 (90, 0)	0.012 (0, 0)	2151.503	6.95

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1208	GUAM	0.004 (0, 90)	0.002 (90, 0)	0.001 (0, 0)	19209.061	0.23
1208	GUUG	0.004 (0, 90)	0.002 (90, 0)	0.001 (0, 0)	9411.045	0.46
1209	GUAM	0.023 (0, 90)	0.022 (90, 0)	0.022 (0, 0)	13810.897	1.67
1209	GUUG	0.023 (0, 90)	0.022 (90, 0)	0.022 (0, 0)	6074.023	3.80
1210	509	0.032 (10, 72)	0.029 (180, 18)	0.029 (271, 3)	7787.205	4.11
1210	GUAM	0.026 (0, 76)	0.023 (180, 14)	0.023 (90, 0)	23592.444	1.10
1210	GUUG	0.026 (0, 76)	0.023 (180, 14)	0.023 (90, 0)	12399.137	2.10
1211	311	0.068 (56, 84)	0.067 (270, 5)	0.067 (180, 3)	24501.368	2.78
1211	GUUG	0.039 (0, 90)	0.038 (90, 0)	0.038 (0, 0)	14721.559	2.64
1301	GUUG	0.074 (9, 77)	0.067 (180, 12)	0.067 (270, 2)	14906.171	4.94
1302	GUUG	0.065 (30, 76)	0.062 (248, 11)	0.062 (156, 9)	13503.732	4.78
1303	404	0.046 (142, 68)	0.045 (340, 21)	0.044 (247, 6)	8894.845	5.19
1303	GUAM	0.052 (56, 84)	0.051 (163, 2)	0.050 (253, 6)	36259.121	1.43
1304	5	0.023 (0, 79)	0.019 (180, 11)	0.019 (90, 0)	5395.643	4.20
1304	GUAM	0.013 (0, 78)	0.010 (180, 12)	0.010 (90, 0)	7207.878	1.82
1305	GUAM	0.019 (0, 90)	0.018 (90, 0)	0.018 (0, 0)	7769.955	2.43
1306	207	0.039 (64, 86)	0.034 (270, 3)	0.034 (180, 2)	5936.996	6.60
1306	GUAM	0.034 (21, 84)	0.027 (284, 1)	0.026 (194, 6)	10157.333	3.39
1307	407	0.030 (0, 90)	0.028 (90, 0)	0.028 (0, 0)	8932.879	3.32
1307	GUAM	0.026 (0, 90)	0.025 (90, 0)	0.025 (0, 0)	9777.465	2.68
1307	GUUG	0.026 (0, 90)	0.025 (90, 0)	0.025 (0, 0)	9370.748	2.80
1308	7	0.024 (0, 78)	0.023 (180, 12)	0.022 (90, 0)	6556.837	3.64
1308	GUAM	0.021 (0, 77)	0.020 (180, 13)	0.020 (90, 0)	15331.890	1.37
1308	GUUG	0.021 (0, 77)	0.020 (180, 13)	0.020 (90, 0)	4589.585	4.58
1309	409	0.022 (270, 87)	0.018 (0, 0)	0.017 (90, 3)	6910.321	3.19
1309	GUUG	0.010 (0, 90)	0.007 (0, 0)	0.007 (90, 0)	9982.315	1.04

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ, VANG)	MED-SEMI (AZ, VANG)	MIN-SEMI (AZ, VANG)	DISTANCE	PPM
1310	GUUG	0.016 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	11146.045	1.42
1311	GUUG	0.017 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	9586.680	1.82
1312	8	0.027 (90, 84)	0.026 (270, 6)	0.026 (0, 0)	7849.979	3.47
1312	GUUG	0.014 (0, 90)	0.012 (90, 0)	0.012 (0, 0)	8594.233	1.66
1401	GUAM	0.077 (4, 85)	0.069 (214, 4)	0.069 (124, 3)	35027.306	2.20
1401	GUUG	0.077 (4, 85)	0.069 (214, 4)	0.069 (124, 3)	16366.942	4.70
1402	GUUG	0.075 (0, 88)	0.065 (258, 0)	0.064 (168, 2)	15253.378	4.95
1403	GUUG	0.053 (32, 80)	0.043 (232, 9)	0.042 (142, 3)	7629.140	6.96
1404	GUAM	0.026 (0, 90)	0.023 (90, 0)	0.023 (0, 0)	30234.392	0.85
1405	205	0.025 (0, 90)	0.024 (90, 0)	0.024 (0, 0)	7277.019	3.43
1405	GUAM	0.017 (0, 90)	0.016 (90, 0)	0.015 (0, 0)	5269.903	3.17
1406	405	0.020 (0, 83)	0.018 (90, 0)	0.018 (180, 7)	5020.230	3.99
1406	GUAM	0.017 (0, 81)	0.015 (90, 0)	0.015 (180, 9)	3143.039	5.34
1407	GUAM	0.023 (0, 90)	0.022 (0, 0)	0.022 (90, 0)	7297.799	3.12
1408	306	0.034 (0, 75)	0.033 (90, 0)	0.033 (180, 15)	6992.186	4.90
1408	GUAM	0.019 (0, 90)	0.018 (90, 0)	0.018 (0, 0)	7896.793	2.36
1409	308	0.019 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	4731.706	4.06
1409	GUAM	0.019 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	11809.131	1.58
1409	GUUG	0.019 (0, 90)	0.017 (90, 0)	0.017 (0, 0)	6877.456	2.71
1410	GUAM	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	15139.125	1.46
1410	GUUG	0.022 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	5867.282	3.76
1501	GUUG	0.085 (36, 87)	0.076 (266, 2)	0.075 (176, 2)	17117.779	4.98
1502	GUUG	0.063 (180, 87)	0.059 (90, 0)	0.059 (0, 3)	14326.363	4.41
1503	GUUG	0.042 (90, 87)	0.037 (242, 3)	0.036 (332, 2)	6941.623	6.02
1504	4	0.024 (90, 63)	0.019 (278, 26)	0.016 (187, 3)	2782.497	8.51
1504	GUAM	0.029 (80, 75)	0.026 (270, 15)	0.025 (179, 2)	30859.459	0.95

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
1607	GUUG	0.023 (0, 90)	0.021 (90, 0)	0.021 (0, 0)	8566.422	2.66
1608	507	0.018 (24, 72)	0.014 (180, 16)	0.014 (272, 7)	3443.724	5.17
1608	GUAM	0.018 (28, 76)	0.016 (180, 13)	0.016 (271, 7)	11806.448	1.52
1608	GUUG	0.018 (28, 76)	0.016 (180, 13)	0.016 (271, 7)	6882.848	2.61
1609	7	0.020 (0, 90)	0.019 (0, 0)	0.019 (90, 0)	5093.018	3.98
1609	GUUG	0.018 (0, 90)	0.016 (0, 0)	0.016 (90, 0)	3458.101	5.07
2	GUUG	0.091 (16, 71)	0.087 (172, 18)	0.086 (265, 7)	23439.796	3.88
201	GUAM	0.043 (180, 87)	0.038 (90, 0)	0.038 (0, 3)	6405.833	6.65
201	GUUG	0.043 (180, 87)	0.038 (90, 0)	0.038 (0, 3)	24078.605	1.77
202	GUAM	0.024 (62, 80)	0.013 (270, 8)	0.012 (179, 4)	1443.215	16.44
202	GUUG	0.024 (62, 80)	0.013 (270, 8)	0.012 (179, 4)	17361.572	1.37
203	GUUG	0.082 (246, 86)	0.080 (90, 4)	0.080 (360, 2)	22062.134	3.72
204	GUAM	0.082 (270, 88)	0.074 (166, 1)	0.074 (76, 2)	29652.225	2.76
205	GUAM	0.023 (0, 90)	0.022 (90, 0)	0.022 (0, 0)	5618.084	4.01
206	915	0.033 (0, 90)	0.031 (0, 0)	0.031 (90, 0)	10069.979	3.25
206	GUAM	0.029 (0, 90)	0.027 (0, 0)	0.027 (90, 0)	6758.537	4.24
207	GUAM	0.048 (35, 85)	0.041 (284, 2)	0.040 (194, 4)	14670.722	3.26
208	905	0.033 (0, 90)	0.032 (0, 0)	0.032 (90, 0)	10618.913	3.11
208	GUAM	0.031 (0, 90)	0.030 (0, 0)	0.030 (90, 0)	25241.487	1.22
208	GUUG	0.031 (0, 90)	0.030 (0, 0)	0.030 (90, 0)	6604.337	4.65
209	GUUG	0.018 (0, 90)	0.015 (90, 0)	0.014 (0, 0)	2467.167	7.30
210	GUUG	0.025 (0, 90)	0.024 (90, 0)	0.023 (0, 0)	5965.225	4.13
3	902	0.068 (180, 82)	0.067 (0, 8)	0.067 (90, 0)	13661.775	4.95
3	GUAM	0.060 (270, 86)	0.059 (0, 0)	0.059 (90, 4)	28743.389	2.10
301	GUAM	0.029 (0, 90)	0.026 (0, 0)	0.026 (90, 0)	4311.644	6.80
303	GUAM	0.052 (90, 85)	0.049 (270, 5)	0.049 (0, 0)	27637.968	1.88

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
304	GUAM	0.009 (0, 90)	0.005 (90, 0)	0.005 (0, 0)	678.298	13.36
305	GUAM	0.023 (0, 90)	0.022 (90, 0)	0.022 (0, 0)	4963.872	4.70
306	GUAM	0.036 (0, 76)	0.034 (90, 0)	0.034 (180, 14)	14434.297	2.46
307	GUAM	0.011 (0, 90)	0.009 (0, 0)	0.009 (90, 0)	17120.062	0.67
307	GUUG	0.011 (0, 90)	0.009 (0, 0)	0.009 (90, 0)	1573.494	7.25
308	GUAM	0.012 (0, 90)	0.011 (90, 0)	0.010 (0, 0)	16428.282	0.76
308	GUUG	0.012 (0, 90)	0.011 (90, 0)	0.010 (0, 0)	2419.306	5.17
309	GUUG	0.017 (0, 90)	0.015 (90, 0)	0.015 (0, 0)	6670.658	2.50
310	GUUG	0.057 (141, 86)	0.055 (270, 3)	0.055 (0, 3)	11913.758	4.79
311	GUUG	0.060 (90, 84)	0.060 (270, 6)	0.060 (0, 0)	13558.808	4.45
401	GUAM	0.034 (71, 85)	0.025 (270, 5)	0.024 (180, 2)	3916.494	8.62
402	GUUG	0.094 (102, 75)	0.090 (260, 14)	0.089 (351, 6)	22156.953	4.25
403	GUUG	0.093 (38, 79)	0.091 (219, 11)	0.091 (129, 0)	23348.957	3.97
405	GUAM	0.015 (0, 90)	0.014 (90, 0)	0.014 (0, 0)	4380.561	3.53
406	GUAM	0.028 (19, 71)	0.024 (180, 18)	0.024 (272, 6)	11122.182	2.49
407	GUUG	0.018 (0, 90)	0.015 (90, 0)	0.015 (0, 0)	2802.364	6.60
408	GUUG	0.031 (0, 90)	0.031 (90, 0)	0.031 (0, 0)	6603.091	4.75
409	GUUG	0.021 (270, 87)	0.017 (0, 0)	0.017 (90, 3)	3227.536	6.40
410	GUAM	0.038 (180, 80)	0.034 (0, 10)	0.034 (90, 0)	9893.890	3.83
410	GUUG	0.038 (180, 80)	0.034 (0, 10)	0.034 (90, 0)	9954.109	3.81
5	GUAM	0.022 (0, 80)	0.019 (180, 10)	0.019 (90, 0)	4825.477	4.48
501	GUAM	0.032 (48, 80)	0.029 (270, 7)	0.029 (179, 6)	6365.480	5.01
501	NCS	0.033 (47, 81)	0.030 (270, 7)	0.030 (179, 6)	8320.589	3.93
502	GUUG	0.087 (94, 75)	0.084 (261, 15)	0.082 (352, 3)	15880.979	5.48
504	GUAM	0.050 (0, 88)	0.044 (90, 0)	0.044 (180, 2)	27389.683	1.81
505	GUAM	0.028 (0, 90)	0.027 (90, 0)	0.027 (0, 0)	9434.655	2.99

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
506	GUAM	0.023 (0, 90)	0.021 (0, 0)	0.021 (90, 0)	10342.670	2.23
507	GUAM	0.013 (17, 72)	0.009 (180, 18)	0.008 (272, 5)	14490.561	0.89
507	GUUG	0.013 (17, 72)	0.009 (180, 18)	0.008 (272, 5)	4769.101	2.71
508	GUAM	0.027 (0, 90)	0.025 (90, 0)	0.024 (0, 0)	23502.683	1.15
508	GUUG	0.027 (0, 90)	0.025 (90, 0)	0.024 (0, 0)	5073.718	5.31
509	GUUG	0.026 (13, 71)	0.023 (180, 18)	0.023 (271, 4)	5487.656	4.66
510	GUUG	0.046 (78, 78)	0.044 (270, 12)	0.044 (179, 2)	9937.160	4.63
6	GUAM	0.013 (0, 90)	0.010 (0, 0)	0.010 (90, 0)	17211.353	0.74
6	GUUG	0.013 (0, 90)	0.010 (0, 0)	0.010 (90, 0)	1607.591	7.90
7	GUAM	0.016 (0, 90)	0.015 (0, 0)	0.014 (90, 0)	21398.502	0.73
7	GUUG	0.016 (0, 90)	0.015 (0, 0)	0.014 (90, 0)	2887.696	5.38
8	916	0.029 (90, 84)	0.027 (270, 6)	0.027 (0, 0)	9225.782	3.14
8	GUUG	0.025 (0, 90)	0.024 (90, 0)	0.024 (0, 0)	7800.901	3.27
9	GUAM	0.045 (12, 72)	0.040 (271, 4)	0.040 (180, 18)	10174.267	4.42
9	GUUG	0.045 (12, 72)	0.040 (271, 4)	0.040 (180, 18)	8632.745	5.21
901	GUUG	0.069 (0, 89)	0.065 (180, 1)	0.065 (90, 0)	14271.580	4.86
902	GUAM	0.073 (180, 85)	0.072 (0, 5)	0.072 (90, 0)	41761.067	1.74
903	GUAM	0.049 (0, 89)	0.045 (90, 0)	0.045 (180, 1)	34306.831	1.42
904	GUAM	0.011 (0, 90)	0.009 (0, 0)	0.009 (90, 0)	6792.705	1.56
905	GUAM	0.017 (0, 90)	0.016 (0, 0)	0.016 (90, 0)	17453.809	0.95
905	GUUG	0.017 (0, 90)	0.016 (0, 0)	0.016 (90, 0)	6918.261	2.40
906	GUUG	0.048 (0, 90)	0.047 (90, 0)	0.046 (0, 0)	16667.017	2.88
911	GUAM	0.077 (334, 86)	0.073 (100, 2)	0.073 (190, 3)	36619.186	2.09
911	GUUG	0.077 (334, 86)	0.073 (100, 2)	0.073 (190, 3)	17956.840	4.26
912	GUUG	0.048 (0, 87)	0.044 (90, 0)	0.044 (180, 3)	8741.929	5.44
914	GUAM	0.012 (0, 90)	0.008 (90, 0)	0.008 (0, 0)	6358.583	1.82

3D Relative Confidence Regions (95.000 percent):

FROM	TO	MAJ-SEMI (AZ,VANG)	MED-SEMI (AZ,VANG)	MIN-SEMI (AZ,VANG)	DISTANCE	PPM
915	GUAM	0.021 (0, 90)	0.020 (0, 0)	0.020 (90, 0)	6344.034	3.34
916	GUUG	0.018 (0, 90)	0.016 (90, 0)	0.016 (0, 0)	9849.007	1.78
917	GUUG	0.015 (0, 90)	0.013 (90, 0)	0.012 (0, 0)	7275.808	2.12
GUAM	NCS	0.013 (0, 90)	0.012 (0, 0)	0.012 (90, 0)	3048.411	4.32
GUUG	NCS	0.013 (0, 90)	0.012 (0, 0)	0.012 (90, 0)	15974.717	0.82

11:32:24, Wed Mar 21, 2012

1111105 USGS - GUAM *** GROUND SURVEY FILE ***
HORIZONTAL - WGS 84, UTM ZONE 55
VERTICAL - GUV04 METERS

STATION	EASTING	NORTHING	ELEVATION
1	268054.997	1505285.064	145.261
2	248093.237	1467292.825	2.220
3	256915.684	1477395.255	88.164
4	249881.001	1483075.114	86.266
5	266553.363	1499385.215	110.751
6	262083.842	1487711.421	57.817
7	260088.141	1484022.150	63.032
8	260708.299	1493782.870	3.669
9	266429.272	1493569.637	82.570
10	267360.180	1499672.842	123.562
101	267415.966	1501093.773	130.219
103	256903.868	1477729.893	91.130
104	266491.419	1499609.368	108.768
105	265031.104	1495888.229	90.322
106	266249.992	1494904.580	95.206
107	262923.866	1487878.340	73.241
108	260495.748	1486522.222	44.213
109	258362.938	1487309.381	43.765
110	259114.784	1493944.757	37.266
111	263621.704	1495781.438	77.522
201	267738.615	1509516.988	20.850
202	268311.305	1502317.148	142.895
203	248413.008	1468784.151	110.033
204	257789.237	1476004.060	80.074
205	265800.342	1498962.879	113.959
206	264508.781	1498601.506	95.852
207	265438.755	1489174.609	105.247
208	258760.999	1480398.305	9.470
209	262339.931	1488558.789	73.588
210	256250.351	1484883.058	131.791
301	266515.265	1506565.571	135.965
303	255616.287	1479325.813	98.467
304	268822.991	1503741.934	146.222
305	265282.435	1500473.428	110.373
306	265562.280	1489385.936	110.898
307	262891.428	1487458.651	88.650
308	263742.489	1487872.289	87.991
309	256933.856	1490337.159	3.500
310	267305.615	1496818.825	115.811
311	270976.496	1496349.398	125.045
401	266444.349	1505942.371	145.551
402	252713.332	1466021.375	1.867
403	250564.829	1465789.355	1.705
404	254156.165	1480386.682	104.629
405	267868.426	1499194.668	133.556
406	267363.159	1492371.842	136.268
407	259603.767	1487395.817	35.897
408	258762.437	1480398.910	9.378
409	258958.184	1486882.693	34.807
410	262641.208	1496045.065	19.643
501	268049.028	1509549.053	66.098
502	267562.476	1501016.477	128.644
504	253750.513	1480796.393	128.039
505	266007.962	1494492.995	97.803
506	269056.828	1492976.551	141.237
507	265621.147	1489311.809	109.635

508	258618.917	1482401.831	70.394
509	256668.411	1485251.059	118.294
510	263642.209	1495921.629	80.780
901	257681.434	1472525.907	104.869
902	246915.496	1468080.623	4.952
903	245453.555	1478689.677	2.139
904	272398.983	1497244.652	131.080
905	257092.121	1490888.655	2.455
906	245808.368	1489687.940	2.720
911	256090.205	1469173.415	1.874
912	258541.425	1478112.142	7.417
914	271355.754	1497281.229	127.126
915	274526.686	1499644.765	159.759
916	252724.478	1489156.902	167.463
917	256196.354	1490372.327	53.976
1001	266565.795	1505769.159	149.041
1002	246973.739	1467932.997	2.130
1003	248372.377	1483686.656	29.418
1004	263669.808	1495413.785	70.026
1005	265601.725	1489495.224	111.966
1006	262290.930	1494518.591	2.867
1011	267776.244	1508925.382	148.053
1012	255972.024	1468324.086	2.653
1013	247366.653	1467756.799	4.615
1014	251943.028	1482157.023	149.833
1015	265666.648	1496070.564	98.413
1016	268214.501	1491282.915	27.996
1017	265448.893	1489217.911	105.872
1018	267550.017	1491974.269	135.546
1019	259656.492	1482946.415	8.059
1020	256565.184	1484084.968	92.888
1101	257494.953	1471453.251	93.508
1103	258376.080	1476957.551	12.994
1104	264392.995	1494605.085	65.965
1105	264202.686	1493973.759	57.765
1106	258169.053	1490704.437	38.714
1107	262726.656	1491104.768	85.225
1108	256915.202	1490311.356	3.256
1109	252992.994	1490583.823	3.497
1110	251501.219	1489123.238	92.918
1111	255083.478	1491112.903	2.707
1201	248346.574	1485012.503	2.447
1202	258169.501	1475755.934	43.844
1203	246509.930	1470969.018	44.241
1204	271378.659	1497287.261	127.516
1205	271208.457	1502190.202	174.833
1206	273557.011	1496739.054	166.302
1207	263968.475	1492002.961	123.821
1208	254295.625	1491380.957	10.404
1209	261259.047	1492122.052	76.652
1210	250179.013	1489558.690	3.495
1211	247630.791	1488890.229	2.608
1301	257524.679	1471909.425	93.267
1302	257851.695	1473278.352	96.687
1303	247855.932	1474104.739	227.743
1304	270976.777	1496293.329	126.333
1305	274413.793	1497420.965	243.173
1306	269832.656	1493169.115	153.406
1307	263697.835	1495338.084	66.924
1308	260882.727	1490532.579	70.510

1309	253334.375	1490902.064	2.149
1310	251960.315	1490759.484	2.417
1311	253090.904	1489412.859	165.442
1312	254168.871	1489440.074	192.228
1401	256701.916	1470644.108	49.126
1402	255203.158	1472488.701	77.947
1403	258595.609	1479320.029	8.910
1404	246919.306	1483033.828	1.874
1405	273053.820	1499564.926	174.179
1406	272131.164	1501848.069	182.340
1407	275251.391	1499018.620	158.905
1408	269093.234	1495423.048	118.214
1409	264514.151	1492541.627	138.506
1410	259849.258	1491527.512	63.923
1501	256617.125	1469879.266	4.724
1502	254828.783	1473749.213	83.523
1503	257751.209	1480683.126	92.776
1504	247877.028	1481143.420	63.772
1505	271585.075	1496179.903	134.032
1506	272635.569	1500720.700	185.293
1507	271474.455	1495113.653	146.239
1508	259274.203	1490823.847	61.963
1509	254479.761	1490872.314	4.891
1510	251353.699	1490133.356	1.428
1511	252493.029	1490621.564	1.965
1512	248928.452	1489651.960	4.093
1513	249035.578	1486027.699	10.908
1601	256618.945	1469887.421	4.591
1602	255087.662	1467896.388	2.881
1603	257644.572	1475435.475	2.204
1604	246888.279	1471314.262	3.567
1605	271475.078	1496162.284	133.018
1606	270829.933	1494214.932	167.026
1607	263900.388	1494479.052	55.513
1608	264477.737	1492560.994	135.584
1609	260378.145	1489108.223	18.538
1610	254265.275	1491388.485	10.752
BEACH	245499.804	1478658.798	1.858
GGN_0001	254265.275	1491388.485	10.752
GGN_2205	257697.246	1472505.592	104.971
GUAM	269352.171	1503317.357	145.398
GUUG	262090.927	1486103.531	78.863
NCS	267080.759	1501283.224	133.099
YIGO_GG	271509.075	1497559.394	140.779